



GEORGE FOX UNIVERSITY

CATALOG 1996-97

# George Fox University

## 1996-97 Catalog

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*Whatever you do,*

*work at it with*

*all your heart.*

**COLOSSIANS 3:23**

*George Fox  
University*

*While every effort is made to ensure the accuracy of the information in this Catalog, George Fox University and the Board of Trustees have the right to make changes at any time without prior notice. The Catalog is not a contract between George Fox University and current or prospective students.*

**PURPOSE** ..... 3

- Mission and Objectives
- Statement of Faith
- Values Statement
- Student Outcomes
- Accreditation and Memberships

**PLACE** ..... 7

- Our Heritage
- Campus Facilities
- Campus Map
- Student Activities and Organizations
- Chapel and Campus Ministries
- Standards of Conduct
- Living Arrangements
- Student Services

**ACADEMIC PROGRAMS AND SERVICES** ..... 19

- Course Challenge Programs
- Facilities
- Off-campus Programs
- International Study Programs
- On-campus Programs
- Preprofessional Programs

**GENERAL EDUCATION** ..... 27

- General Education Requirements
- Course Numbering System
- Majors and Degrees

**UNDERGRADUATE PROGRAMS** ..... 33

- Applied Science (Engineering)
- Art
- Biblical Studies
- Biology
- Business and Economics
- Chemistry
- Christian Ministries
- Communication Arts
- Communication/Video Production
- Computer and Information Science
- English as a Second Language
- Family and Consumer Sciences
- Health Education
- History
- Human Performance
- International Studies
- Leadership Studies
- Management and Organizational Leadership
- Management of Human Resources
- Mathematics
- Music
- Peace and Conflict Studies
- Psychology
- Religion
- Sociology/Social Work
- Spanish
- Teacher Education
- Theatre
- Writing/Literature

**UNDERGRADUATE COURSE OFFERINGS** ..... 57

**GRADUATE PROGRAMS** ..... 99

- Christian Studies (M.A.)
- Clinical Psychology (M.A., Psy.D.)
- Education (M.Ed.)
- Management (M.B.A.)
- Teaching (M.A.T.)

# TABLE OF CONTENTS

---

## **ACADEMIC REGULATIONS** ..... 117

Academic Sessions and Credits  
Guarantees and Reservations  
Undergraduate Attendance  
Classification of Students  
Auditors  
Registration  
Graduate Advising and Load  
Undergraduate Academic Advising  
Undergraduate Academic Load  
Work/Academic Load  
Course Additions  
Course Withdrawals  
The Grading System  
Academic Progress and Eligibility  
Graduation Requirements  
Final Examinations  
Academic Honesty

## **ADMISSIONS** ..... 123

Basis of Undergraduate Admission  
Admission Procedures for Freshmen  
Admission Procedures and Policies for Transfer Students  
Graduate Admissions  
Services to Physically Challenged Students  
International Students  
Readmission of Former Students  
Part-time Students  
Home School Students  
High School Nongraduates  
Auditors  
Older Adults  
Early Admission of High School Students  
Advanced Placement – Honors Program  
Campus Visitation  
Spouse Enrollment Program

## **FINANCES** ..... 129

Costs  
Tuition, Fees and Expenses  
Schedule of Required Deposits  
Financial Arrangements  
Financial Aid

## **COMPLIANCE WITH FEDERAL LAWS AND REGULATIONS** ..... 141

Family Educational Rights and Privacy Act  
Drug-free Environment  
Disabled Students  
Disclosure of Uses for Social Security Numbers  
Anti-Harrassment Policy

## **DIRECTORIES** ..... 145

Faculty  
Administration  
Board of Trustees

## **INDEX** ..... 155

## **UNIVERSITY**

**CALENDAR** ..... Inside Back Cover

*As you walk through Concourse C of the Portland International Airport, you might notice an attractive advertisement for George Fox University. It states simply, "Degrees of Distinction." This is not an empty and idle claim. It is an observation of educators, business, and professional persons from across the country.*

*For example, after a 1994 visit by a 10-member accreditation review team for the Northwest Association of Schools and Colleges, members wrote in the final report:*

*"The team found a rare degree of consistency throughout the institution in understanding and enthusiastic acceptance of the college's stated missions and objectives. The college's steadfast adherence to...evangelical Christian traditions throughout its varied liberal arts and professional programs clearly lends DISTINCTION [my emphasis] to a George Fox education."*

*In the fall of 1995, U.S. News & World Report surveyed college presidents, deans, and admission personnel. They ranked George Fox second in the 14 western states for "excellence in undergraduate teaching" and second in "academic reputation."*

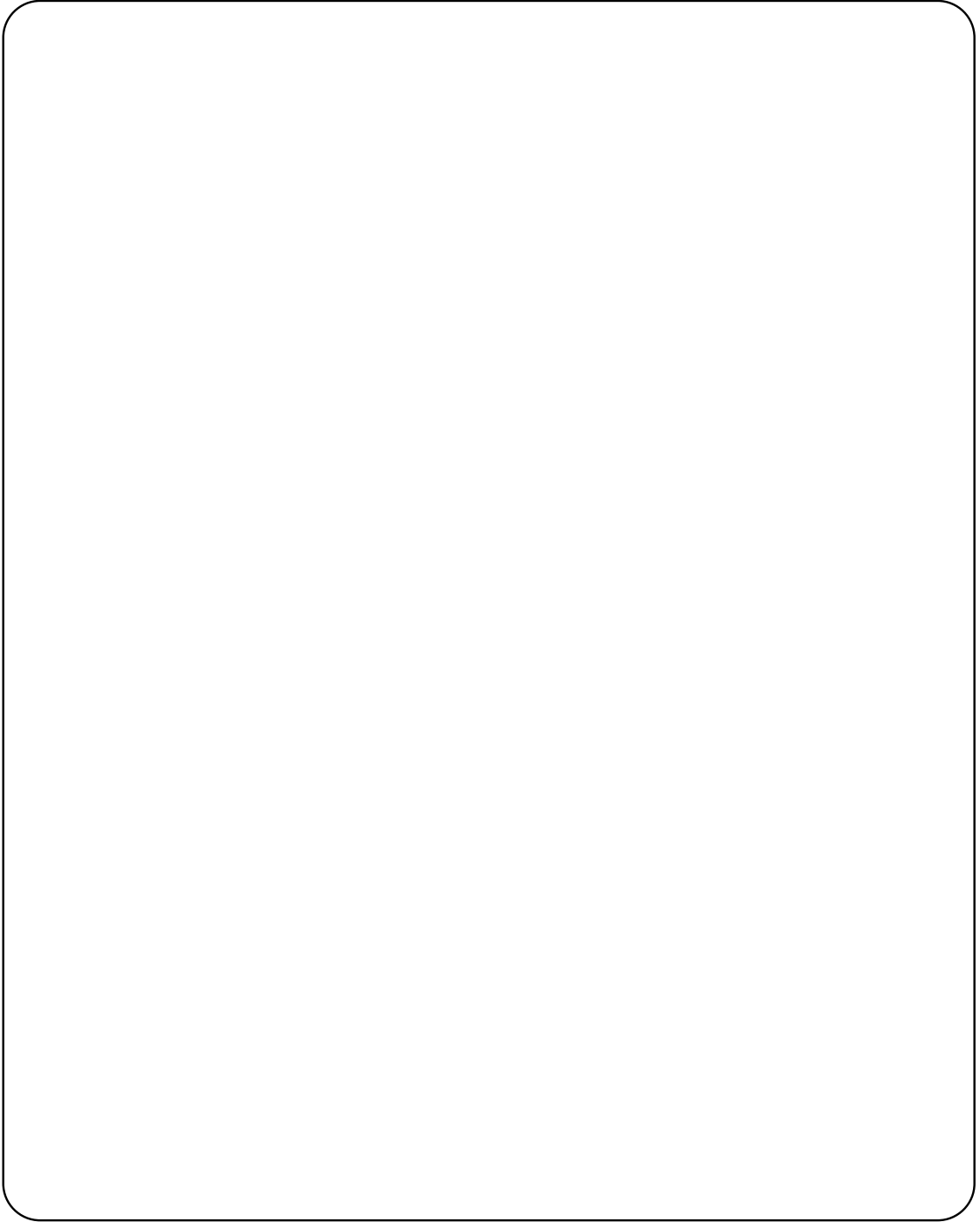
*Consistency of a Christ-centered mission, excellence in teaching, and high achievement of graduates in further study and professions are just a few of the indicators of the distinctive education in which you will participate at George Fox.*

*Have we changed in the last 105 years? Yes, in many good and positive ways.*

- Enrollment has grown 212 percent in the last nine years!*
- More than \$14 million has gone into buildings and equipment, including the \$5.3 million Edwards-Holman Science Center and the newly renovated Wood-Mar Auditorium.*
- Western Evangelical Seminary is merging with George Fox, which will add seven exciting graduate programs in theology, ministry and counseling to the five previously offered.*
- We have become known for innovative programs such as:  
Computers Across the Curriculum  
Writing Across the Curriculum  
Ethics Across the Curriculum  
Internationalizing the Curriculum  
Juniors Abroad*
- Senator Mark Hatfield will join the faculty in 1997 as Herbert Hoover Distinguished Professor.*

*Sen. Hatfield joins a faculty who are competent in their fields and committed to the purpose and person of Jesus Christ. They will be your friends, teachers, role models and mentors. If we are right for you, I hope God will direct you to George Fox University.*

Dr. Edward F. Stevens  
President







## MISSION AND OBJECTIVES

The mission of the University from its beginning has been to demonstrate the meaning of Jesus Christ by offering a caring educational community in which each individual may achieve the highest intellectual and personal growth, and by participating responsibly in our world's concerns. The foregoing "mission statement" of George Fox University is detailed in the following institutional objectives:

1. Teach all truth as God's truth, integrating all fields of learning around the person and work of Jesus Christ, bringing the divine revelations through sense, reason and intuition to the confirming test of Scripture.
2. Support academic programs that liberate the student for a life of purpose and fulfillment through an awareness of the resources of knowledge and culture available; maximize career-oriented education through counseling, curriculum, field experience and placement.
3. Maintain a program of varied activities that directs the student to a commitment to Christ as Lord and Savior, encourages attitudes of reverence and devotion toward God, leads to recognition that the revealed commandments of God are the supreme criteria of the good life, enables the student to mirror the example of Christ in human relationships, and develops a greater desire to serve humanity in a spirit of Christian love.

4. Provide a center for Quaker leadership where faculty and students learn the history and Christian doctrines of the Friends movement and make contemporary applications of these insights.

5. Give leadership to evangelical Christianity generally, through scholarly publication, lecturing, and by evangelistic and prophetic proclamation and service.

6. Promote cocurricular activities that will emphasize the development of leadership, initiative and teamwork by giving opportunity to make practical use of the skills and ideas acquired through academic courses.

7. Make itself a community in which studies and activities are made relevant to life, develop insight into social and political issues confronting humanity, and learn to participate democratically in decision making and policy implementing as responsible citizens.

8. Serve as a cultural center for all publics of the University and sponsor programs that are informative and culturally stimulating to the larger university community.

9. Provide distinctive learning opportunities through continuing education programs and through curriculum enhancements such as off-campus centers, study abroad, honors programs, and other special programs and events.

10. Cultivate awareness, respect, understanding and appreciation of cultural diversity throughout the University community to provide members of diverse races and cultures an affirming environment that encourages cross-cultural sharing in the context of Christian lifestyle expectations.

## STATEMENT OF FAITH

1. We believe there is one God, eternally existent in three persons — Father, Son, and Holy Spirit.
2. We believe in the deity of our Lord Jesus Christ, in His virgin birth, in His sinless life, in His miracles, in His vicarious and atoning death through His shed blood, in His bodily resurrection, in His ascension to the right hand of the Father as the only mediator between God and man, and in His personal return in power and glory.
3. We believe that for the salvation of lost and sinful man, regeneration by the Holy Spirit is absolutely essential.
4. We believe the Bible to be the only inspired, infallible, authoritative written word of God.
5. We reverently believe that as there is one Lord and one faith, so there is one baptism, whereby all believers are baptized in the one Spirit into the one body.

6. We believe the true supper of the Lord is observed when the believer partakes spiritually and inwardly.
7. We believe in the ministry of the Holy Spirit, who fills and indwells the consecrated believer and enables him or her to live a godly life.
8. We believe all war is utterly incompatible with the plain precepts of our divine Lord and Lawgiver.
9. We believe in the resurrection of both the saved and the lost; they that are saved unto the resurrection of life, and they that are lost unto the resurrection of damnation.

## VALUES STATEMENT

The George Fox University community values...

- Following Christ, the Center of Truth
- Honoring the Worth, Dignity and Potential of the Individual
- Developing the Whole Person —Spirit, Mind and Body
- Living and Learning in a Christ-Centered Community
- Pursuing Integrity Over Image
- Achieving Academic Excellence in the Liberal Arts
- Preparing Every Person to Serve Christ in the World
- Preserving Our Friends (Quaker) Heritage

## STUDENT OUTCOMES

In any enterprise involving students of varied preparedness, motivation and discipline, there will be differences in outcomes. Education is realistic and idealistic. It reaches beyond the average, the assured, and the guaranteed. University objectives, indeed the entire Catalog, may be seen as sincere intention to provide an educational program of high quality. Accountability to students is fulfilled by providing qualified teachers, a community with Christian values, and the historical continuity of a Quaker university. The opportunity for personal growth and development is here, yet student initiative and responsibility are vital. The Catalog is not an unconditional contract.

## ACCREDITATION AND MEMBERSHIPS

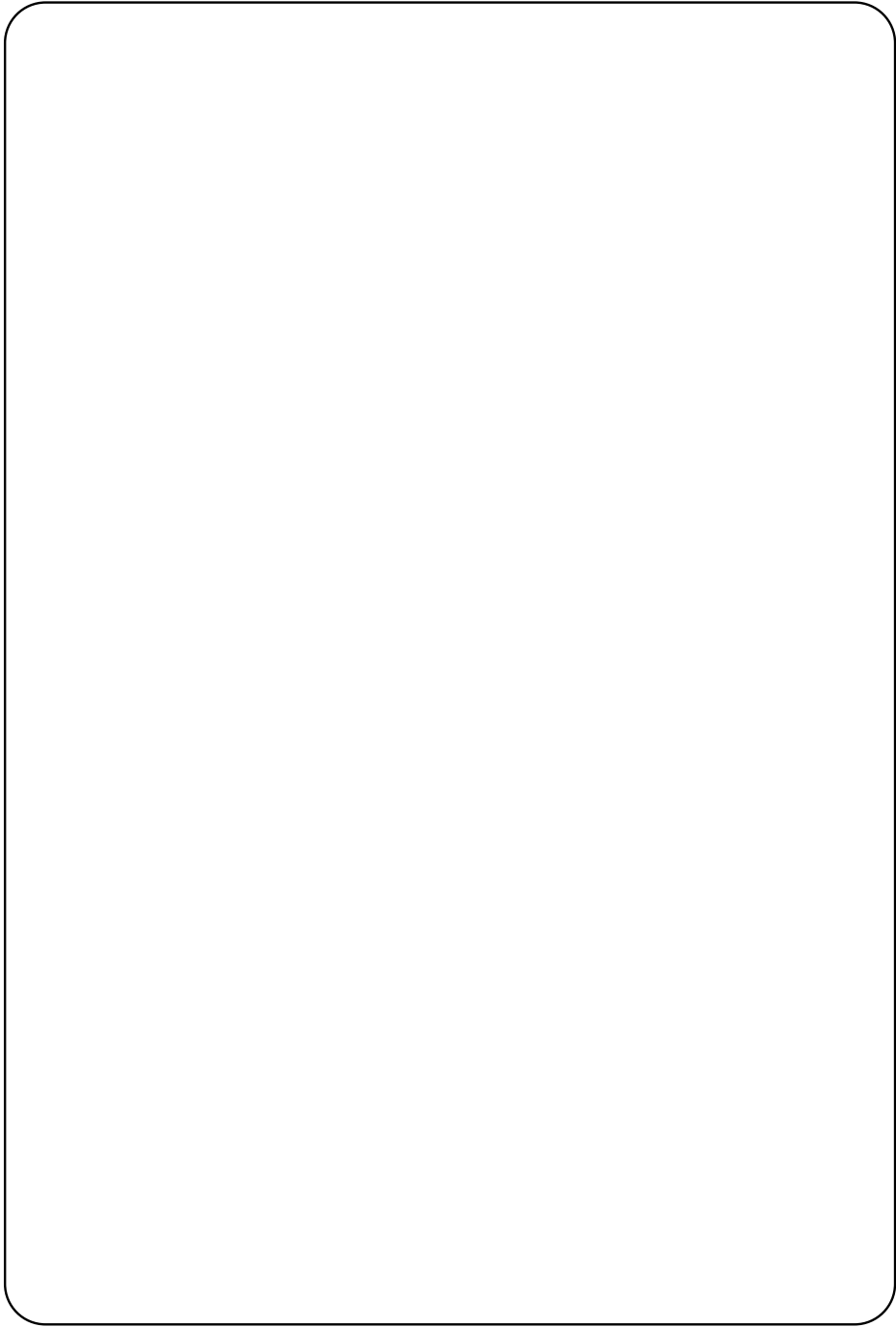
George Fox University is accredited by the Northwest Association of Schools and Colleges and by the Oregon Teacher Standards and Practices Commission for the preparation of teachers in specific fields. It is approved by the United States government and the state of Oregon for the education of veterans, by the United States Attorney General for the admission of alien students, and by the American Association of University Women.

The University is a member of the national Christian College Consortium, the Coalition for Christian Colleges and Universities, the American Council on

Education, the Association of American Colleges, the College Scholarship Service, the Council of Independent Colleges, the American Association for Higher Education, the Friends Association for Higher Education, the National Association of Evangelicals, the National Association of Independent Colleges and Universities, the National Association of Intercollegiate Athletics, the National Association of Schools of Music, the Evangelical Teacher Training Association, the Northwest Association of Private College and University Libraries, the Oregon Independent Colleges Association, and the Oregon Independent College Foundation.

The other 12 members of the Christian College Consortium are Asbury College, Wilmore, Kentucky; Bethel College, St. Paul, Minnesota; Gordon College, Wenham, Massachusetts; Greenville College, Greenville, Illinois; Houghton College, Houghton, New York; Malone College, Canton, Ohio; Messiah College, Grantham, Pennsylvania; Seattle Pacific University, Seattle, Washington; Taylor University, Upland, Indiana; Trinity College, Deerfield, Illinois; Westmont College, Santa Barbara, California; and Wheaton College, Wheaton, Illinois.

The Coalition for Christian Colleges and Universities, an organization based in Washington, D.C., was founded in 1976. Each of the 85 member institutions is committed to academic excellence and to the integration of faith, learning and living. The coalition, comprised of four-year liberal arts colleges with full regional accreditation, provides a medium for strengthening and unifying this important sector of private higher education.





George Fox University's "place" is Oregon, the lower Willamette Valley, Newberg, and a 74-acre tree-shaded campus on a wooded ravine in a residential neighborhood. This place offers a variety to meet most interests: a friendly community close (23 miles) to a major metropolitan environment of 1.7 million people, located in the beauty of the Pacific Northwest, with nearby mountain ranges for skiing and easy access to rugged coastal beaches just an hour away.

Oregon — 96,981 square miles of variety — stretches from the Pacific Coast, over the Coast Range, through the fertile Willamette Valley, past the snowcapped Cascades, and into the high desert country of central and eastern Oregon. More than half of the student body call Oregon home. Others come to school in Oregon and decide to make it their new home — despite the fabled rain. Yes, there is rain, and sometimes it falls hard in the valley between the mountain ranges where George Fox University is located. But it is the rain that makes Oregon green and gives it natural beauty. Umbrellas and raincoats do come in handy during the winter months, but when the sun comes out, Oregon is spectacular and it's worth the wait. Just ask the visitors who make tourism the state's third largest industry, following agriculture and high-tech business.

Just a half-hour drive from the campus, metropolitan Portland is George Fox's big-city neighbor. Oregon's largest city, Portland offers students, faculty and its Old Town district, a downtown transit mall, the Tom McCall Waterfront Park, numerous art galleries and museums, a number of theater groups and jazz clubs, and a world-class symphony, ballet and opera. Other attractions include the Metro Washington Park Zoo, the Japanese Garden, the International Rose Test Gardens, and OMSI (the Oregon Museum of Science and Industry). Every June the city holds its Rose Festival, with three parades, a coronation, and 25 days of other events.

For those who love the outdoors, Portland has 9,400 acres of parks, including Mill Ends Park, the smallest in the world, and Forest Park, the largest urban wilderness. And George Fox students can join in the enthusiasm of cheering for the Portland Trail Blazers NBA team, the Portland Winter Hawks WHL ice hockey squad, and the Portland Rockies minor league baseball team.

Despite the numerous Portland advantages, many students prefer the small-town flavor of Newberg. Located on the Willamette River, Newberg has a population of 15,300, with many residents living in Newberg by choice and commuting to Portland for their jobs. Downtown Newberg consists of a variety of stores, shops and services. Friendly merchants who appreciate the University's students are just a few blocks south of the campus, with most businesses within walking distance. It's a personable town, rich in tradition — former President Herbert Hoover once lived here.

The Newberg-Portland area has a mean daily high temperature in July of 83°F and a mean daily low in January of 32°F. Precipitation averages 37 inches a year, most of which is rain. While Newberg does get snow, it is seldom more than a few inches a year and rarely lasts more than a couple of days.

## OUR HERITAGE

More than a century ago, early Oregon Quaker pioneers helped settle the rich and fruitful Chehalem Valley of Oregon. One of their first priorities, along with the founding of their church, was the education of their children. In 1885 the Christian instruction of their offspring was assured with the establishment of Friends Pacific Academy. At the same time, founding pioneers were looking ahead with a dream of a college to provide further and more advanced education. That time came September 9, 1891, with the opening of the doors of Pacific College. Fifteen students were counted on opening day.

*George Fox University was known as Pacific College from 1891 to 1949.*

In the century since its founding, there have been major changes, of course, including the name of the Uni-versity itself, changed in 1949 because of the many "Pacific" colleges and retitled in honor of the founder of the Friends Church. The name changed again in July 1996 when George Fox College became George Fox University, incorporating Western Evangelical Seminary with more than 350 students on a campus in Tigard, Oregon.

From only a handful of courses in the 1890s, the University now offers 34 undergraduate majors and more than 600 courses in 15 departments, along with graduate programs in psychology, education, business and religion. In all, approximately 6,500 students over the years have called this institution their alma mater.

George Fox University has grown rapidly in the last two decades — both in reputation and facilities. Seven times in the last seven years, *U.S. News & World Report* has ranked George Fox in the top three (second in 1995) in academic reputation among Western regional liberal arts colleges in the 15 states from Texas to

Hawaii. In a new category for the magazine — top teaching schools — George Fox in 1995 was ranked second in the West. National recognition also has come from the John Templeton Foundation, which has named George Fox five times to its Honor Roll for Character Building Colleges, the only Oregon college selected. The foundation also has selected the University to its Honor Roll for Free Enterprise Teaching.

Following a campus master plan, George Fox has expanded to 74 acres in recent years, with 12 new buildings constructed at a total investment of more than \$20 million. A \$16 million Centennial Campaign funded a new science building and restoration of

Wood-Mar Auditorium, opened in 1995. Students come to George Fox from across the nation to participate in the experience of sharing faith and learning with dedicated faculty and administrators. They live, study, work and play in buildings that range from those with historic significance to some of the most modern anywhere. The University is committed to a residential campus atmosphere where learning continues outside the classroom, as well as inside, through a variety of experiences including music, athletics, clubs and organizations, special events, and spiritual emphasis.

The Christian atmosphere is a campus priority. With other Christians, the University holds to the historic truths and teachings of Christianity, as outlined in the "Statement of Faith" printed on page 4. From its founding, the University has been guided by Northwest Yearly Meeting of Friends Church, which also is committed to the official Statement of Faith and which historically has emphasized the necessity of a genuinely experiential Christian faith, personal integrity and purity, the spiritual nature of the ordinances, the importance of peacemaking and responsible social action, the involvement of women in ministry and leadership, the valuing of simplicity, and the right and duty of each person to hear and follow God's call.

George Fox University has more Friends students on campus than any other college in the United States: They represent approximately eight percent of the student body. Altogether, more than 40 denominations are represented on campus. Denominations with a significant enrollment include the Evangelical Church of North America, Free Methodist, Nazarene, Presbyterian, Disciples of Christ, Mennonite, United Methodist, Assemblies of God, Christian & Missionary Alliance, Catholic, Lutheran, American Baptist, Conservative Baptist, Church of God, and Foursquare.

## CAMPUS FACILITIES

Bounded on three sides by a residential area, the George Fox campus borders Hess Creek, with a natural setting that is being preserved with its tall trees, ferns, and wildflowers. The spacious campus has been developed in recent years according to a master plan that features a campus academic quadrangle; a recreational section with sports center, track complex, and athletic fields; and a living area with major residence halls. The facilities include:

**Barclay House**, at 1313 East North Street on the east side of campus, was purchased in 1994. It houses a resident director.

**The William and Mary Bauman Chapel/Auditorium**, opened in the fall of 1982 as the final phase of the Milo C. Ross Center, seats 1,150 persons in a facility that is among the finest in the Northwest. Rotating art exhibits appear in the large corridor-gallery.

**Beals House**, located at 1109 Hancock Street, was purchased in 1992. It houses seven women.

**Richard H. Beebe Residence Hall**, opened in 1991, is the third unit of a three-building minidorm complex in the Hess Creek greenway. It houses 40 students in two-room suites, with women on the first two floors and men on the third. It also contains the east campus student post office.

**Brougher Hall**, erected in 1947 and remodeled and enlarged in 1959 and 1961, contains classrooms, art facilities, and the John Brougher Museum.

**Business and Economics Department Offices** are located in a former residence converted to offices in 1991.

**Calder Center**, built in 1964, is the combination of three hexagon modules providing classrooms and offices for education and family and consumer sciences faculty, as well as a lecture hall that seats 165.

**The Campbell House**, purchased in 1995, is located at 612 N. Meridian Street. It houses six women.

**Carey Residence Hall**, built in 1980, provides alternate-floor housing for 32 men and women in eight suites. It is the first unit of a three-building minidorm complex situated in the Hess Creek greenway.

**Centennial Tower**, constructed in 1990 to launch George Fox University's centennial year celebration, was designed by noted architect Pietro Belluschi to be the campus focus and centerpiece. This 65-foot-tall structure at the campus center features carillon, four clocks, and the University's original bell.

**Colcord Memorial Field** contains a field and polyurethane track resurfaced in the fall of 1993.

**The Cole House**, located at the corner of Sheridan and Meridian streets, is the former residence of Frank and Genevieve Cole — alumni, past employees, and longtime volunteers of George Fox. The University purchased their home in 1991 and remodeled it into a residence for 10 men.

**The Computer Store**, opened in 1991, is the campus center for computer hardware and software purchases, accessories, equipment repair and upgrade.

**The Development Office**, at 206 N. Meridian Street, was purchased in 1995. It also houses the alumni relations office.

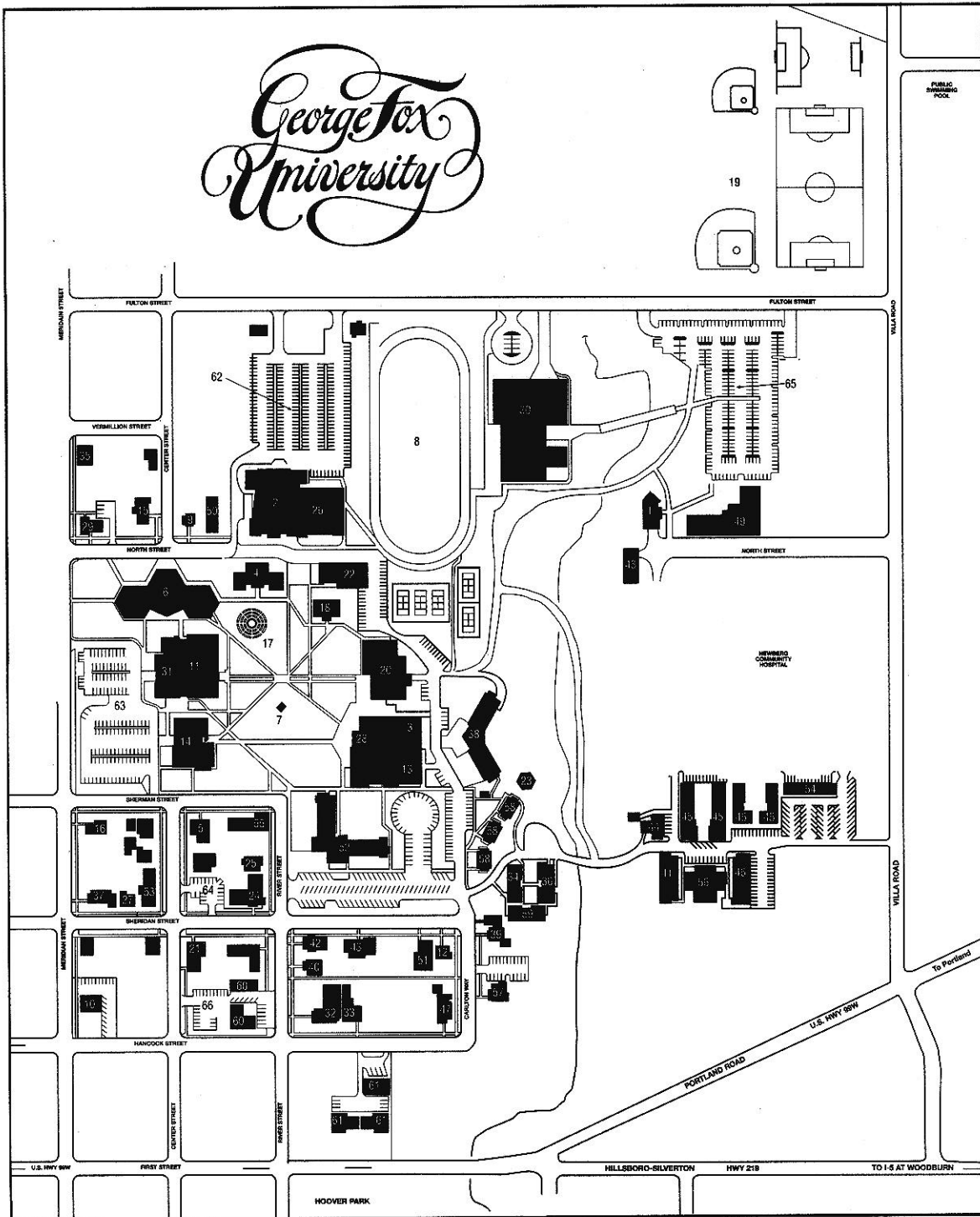
**Edwards Residence Hall** was constructed in 1964 and renovated in 1995. Overlooking Hess Canyon, it is a residence for men and women with alternate-wing housing for 109 students.

**Edwards-Holman Science Center**, opened in 1994, houses the Department of Biology and Chemistry and the Department of Mathematics, Computer and Engineering. The building has a lecture hall, five classrooms, 16 laboratories and 13 offices. An atrium connects it with Wood-Mar Hall.

**Fry House**, at the corner of Sheridan Street and Carlton Way, was purchased in 1992. It is the home for the Associate Dean of Students.

**Gulley House**, near the intersection of Sheridan Street and Carlton Way, was purchased in 1992. It houses 10 women.

**Heacock Commons**, built in 1964-65, enlarged in 1979, and renovated and expanded in 1994, contains the Esther Klages Dining Room, the Bruin Den, the Cap and Gown Rooms, and the Executive Dining Room.



- |  |  |   |                            |                               |
|--|--|---|----------------------------|-------------------------------|
| 1. Barclay House                             | 14. Hoover Academic Building                 | 26. Ross Center   | 36. Carey Residence Hall   | 50. Newlin Apartments         |
| 2. Bauman Chapel/Auditorium                  | 15. Humanities House                         | 27. Security Office   | 37. Cole House             | 51. Parker House              |
| 3. Bookstore                                 | 16. International Student Center             | 28. Student Union Building  | 38. Edwards Residence Hall | 52. Pennington Residence Hall |
| 4. Brougher Hall                             | 17. Virginia Millage Memorial Rose Garden    | 29. Video Communication Center  | 39. Gullely House          | 53. Schaad House              |
| 5. Business and Economics Department Offices | 18. Minthorn Hall                            | 30. Wheeler Sports Center   | 40. Hester House           | 54. Sherman Arms Apartments   |
| 6. Calder Center                             | 19. Morse Athletic Fields                    | 31. Wood-Mar Hall   | 41. Hobson Residence Hall  | 55. Sherman Street House      |
| 7. Centennial Tower                          | 20. Murdock Learning Resource Center         | 32. Woodward House  | 42. Hoskins House          | 56. Sutton Residence Hall     |
| 8. Colcord Memorial Field                    | 21. Pennington House                         | <b>STUDENT HOUSING</b><br><i>(Residence Halls, Mini-dorms, Apartments and Houses)</i> | 43. Kelsey House           | 57. Weesner House             |
| 9. Computer Store                            | 22. Plant Services Building                  | 33. Beals House   | 44. Kershner House         | 58. Weesner Village           |
| 10. Development Office                       | 23. Prayer Chapel                            | 34. Beebe Residence Hall  | 45. Lewis Apartments       | 59. Willcuts Residence Hall   |
| 11. Edwards-Holman Science Center            | 24. President's/University Relations Offices | 35. Campbell House  | 46. Macy Residence Hall    | 60. Winters Apartments        |
| 12. Fry House                                | 25. River Street House                       |   | 47. McGrew House           | 61. Woolman Apartments        |
| 13. Heacock Commons                          |  |   | 48. Munn House             |                               |
|  |  |   | 49. New Residence Hall     |                               |



**The Herbert Hoover Academic Building**, built in 1976-77, houses the Kershner Center for Business and Economics, as well as a 160-seat lecture facility, classrooms, social science and psychology faculty offices, and the administrative offices of financial aid and registration.

**Hester House**, at 212 River Street, was purchased in 1992. It houses six women.

**The Hobson-Macy-Sutton Residence Hall complex**, completed in 1977, is the largest residence facility on campus, housing a total of 250 students. A central lobby is shared by the three buildings. The buildings are connected by outside walkways and an underground tunnel.

**Hoskins House**, purchased in 1993, houses 10 women. It is located at 214 River Street.

**The Humanities House** is located on N. Center Street in a former residence converted to offices in 1992. In addition to the offices of faculty members in history, political science, communication arts and languages, the facility houses the Center for Peace Studies, with office and library/conference room.

**The International Student Center**, opened in 1990, is located in a remodeled former residence on Meridian and Sherman streets. This building houses the English Language Institute, with classrooms, faculty offices and a lounge/reception area.

**Kelsey House**, purchased in 1992, houses nine women. It is located at 1110 Sheridan Street.

**The Kershner House**, purchased in 1970 and remodeled in 1979, is a residence unit for nine men.

**Lewis Apartments** provide housing for 56 upper-division students in a total of 16 units.

**McGrew House**, located at Hancock Street and Carlton Way, houses nine students. It was purchased in 1992.

**The Virginia Millage Memorial Rose Garden** has 224 plants of 43 varieties in 24 beds. The 72-foot-diameter circular garden was created in 1992, honoring a George Fox alumna and volunteer leader.

**Minthorn Hall**, constructed in 1886, is the only first-generation building still in use. Remodeled and refurbished in 1962, 1989 and 1992, it houses faculty offices for teacher education and literature; two classrooms; the Campus Ministries Office; and the Department of Continuing Education.

**The Curtis and Margaret Morse Athletic Fields**, dedicated in 1989, contain a baseball diamond, softball field, soccer field, and practice areas.

**The Munn House**, acquired in 1994, houses six women. It is on the east side of Hess Creek Canyon on East North Street.

**The M. J. Murdock Learning Resource Center**, completed in the fall of 1988, houses 110,000 volumes on three floors. Its features include study carrels; rare book collections; special collections concentrating on Quaker, Hoover and peace studies; microforms and microform readers; CD-ROM workstations; and the curriculum library. The Instructional Media Center on the lower level includes computer and audiovisual laboratories, faculty media lab, recording studio, media production room, and darkroom.

**Newlin Apartments**, located on North Street, are four units available for use by 16 upper-division students.

**Parker House**, a one-story duplex, was purchased in 1992. Located on Sheridan Street across from the Pennington Hall parking area, it houses eight students.

**Pennington House** contains the Admissions Office, both graduate and undergraduate. Purchased in 1993, the longtime home of Levi Pennington, the former president of Pacific College, George Fox University's predecessor, was built in 1899 at the southeast corner of Sheridan and Center streets.

**Pennington Residence Hall**, built in 1962 and renovated in 1994, is a residence hall for 102 students and a head resident's apartment, with alternate-wing housing for men and women.

**The Plant Services Building**, opened in 1967 and expanded in 1979, contains work areas and offices for custodial, maintenance and grounds personnel.

**The Prayer Chapel**, overlooking Hess Creek Canyon east of Edwards Residence Hall, was completed in 1995. It is available to all who seek a private place for devotions and prayer.

**The President's/University Relations Offices**, opened in 1991, are a remodeled residence at Sheridan and River streets, redesigned as the administrative center for the Office of the President, university relations, publications and public information.

**The River Street House**, a two-story residence across the street from Pennington Residence Hall, is the home of the University's Dean of Students. It was purchased in 1991.

**The Milo C. Ross Center**, opened in 1978, houses the Religious Studies and Music departments, including classrooms, studios, practice rooms, music listening labs and faculty offices. The William and Mary Bauman Chapel/Auditorium, seating 1,150, was added in 1982.

**New Residence Hall**, constructed in 1996 on the east side of Hess Creek canyon's north end, is a three-story residence for 124 students, with men and women living on alternate floors.

**The Schaad House**, a two-story residence at the corner of Sherman and Center streets, was acquired in 1983. It houses seven men.

**The Security Office**, located at 911 E. Sheridan Street, is the headquarters for the University's security personnel.

**Sherman Arms Apartments**, located on east Sherman Street, consist of six units for married George Fox students.

**Sherman Street House**, purchased in 1991, is a duplex that provides accommodations for 10 men.

**The Student Union Building**, built in 1958 and enlarged in 1968 and 1979, includes student government offices, the Bookstore (renovated in 1994), student post office and a recreation room.

**Tennis Courts** are located on the edge of Hess Creek canyon near Colcord Field. The five courts were constructed in 1994.

**Tilikum Retreat Center**, located on 92 acres in the Chehalem Valley just eight miles from campus, is a retreat, camping and educational center. Students, church groups, families and community organizations enjoy 77 acres of woods and meadows, a 15-acre lake, an overnight retreat

center, a lakeside recreation building, and a restored one-room schoolhouse.

**The Video Communication Center**, completed in 1979, houses a television production studio, as well as offices and supporting facilities.

**The Weesner House**, on Carlton Way, accommodates 12 men in a two-story residence constructed in 1924 and completely renovated in 1980.

**Weesner Village** consists of 12 apartments designed for use by 48 upper-division students.

**The Coleman Wheeler Sports Center**, completed in 1977, is the University's largest building. It contains the James and Lila Miller Gymnasium, featuring three basketball courts and seating for 2,500 people. The center also contains activity and weight rooms, handball/racquetball courts, physical education classrooms, and faculty offices.

**Jack L. Willcuts Residence Hall**, opened in 1990, is the second unit of a three-building mindorm complex in the Hess Creek greenway. It houses 40 students in two-room suites, men on the top floor, women on the two lower floors.

**Winters Apartments**, located on River Street, consist of 10 units for use by 40 George Fox students.

**Wood-Mar Hall**, opened in 1911, contains the duplicating shop, the main campus post office, computer facilities, and the administrative offices of academic affairs, financial affairs and student life. Wood-Mar Auditorium, seating 257, was created in 1995 on the third floor.

**Woodward House**, at the northeast corner of River and Hancock streets, was purchased in 1993, giving the campus the home of one of the founders of George Fox University. Renovated in 1996, it has offices for the campus Health and Counseling Service.

**Woolman Apartments** consist of 14 units with capacity for 48 students. Located at 1114 East Hancock Street, they were acquired and renovated in 1994.

## STUDENT ACTIVITIES AND ORGANIZATIONS

Student organizations provide opportunity for the development of leadership qualities and interpersonal relationships. They are designed to supplement classroom work with practical experience and to provide wholesome and profitable recreation. Many activities are available, including campus government, athletics, music, drama, publications, social and religious organizations, and various special-interest groups. Students are encouraged to participate in areas of their interest.

### Alpha Chi

Alpha Chi is a national honor society whose purpose is to promote academic excellence and exemplary character among college and university students and to honor those who achieve such distinction. Only those juniors and seniors in the top 10 percent of their class, based on grade point averages, receive membership invitations. Members of the George Fox chapter sponsor academic forums on campus and send representatives to Alpha Chi's national convention, which features scholarly presentations by student members.

### Athletics

George Fox University has excelled in athletics during recent years. Intercollegiate sports for men include soccer, cross country, basketball, baseball, tennis, and track and field. Women's intercollegiate sports include soccer, cross country, volleyball, basketball, softball, tennis, and track and field. The University also has an intramural program.

Both men's and women's intercollegiate athletics function under the guidelines of the National Association of Intercollegiate Athletics (NAIA) and the National Collegiate Athletic Association (NCAA) - Division III.

The basic aims of the intercollegiate athletic program are as follows:

1. To provide a well-rounded schedule of intercollegiate athletic competition for men and women in sports designed to encourage participation by a segment of the student body that complements and is consistent with the educational goals of the institution.
2. To encourage physical fitness and the development of physical skills and emotional control; to foster good sportsmanship, school spirit, and loyalty for both participant and spectator; and to present opportunities to participate at a high level of competition.
3. To provide an opportunity for the student body to witness and enjoy good intercollegiate athletic competition.
4. To offer the student body a rallying point and to develop student *esprit de corps*.
5. To provide a vehicle by which George Fox University may be projected to various communities and the media.

## **Government**

The Associated Student Community of George Fox University is an organization of all undergraduate students with the purpose of serving as a unifying force for the University community and providing opportunities for the enrichment of members' lives.

## **Media**

Publications include a newspaper, The Crescent; the yearbook, L'Ami; and Wineskin, the literary publication. Editors direct their staffs in the selection and preparation of materials for these publications. The student radio station, KFOX, broadcasts campus news and music in a contemporary Christian format.

## **Music**

Music activities are available to students with varied musical talents. Public performances are presented by the Festival Chorus, the Concert Choir, the Chehalem Chorale, Dayspring, the Chapel Choir, the Concert Band, the Chehalem Symphony Orchestra, the Jazz Ensemble, the Handbell Ringers, Ye Olde Royal Feaste, and music theatre.

The University's student chapter of the Music Educators National Conference provides a bond between students in music education and members of the professional organization. Students receive the *Oregon Music Educator*. Members may attend meetings of this professional educators organization. The club also sponsors speakers on new developments in the music education field.

## **Scheduling of Activities**

All social and University activities arranged by departments, campus clubs, or groups of students are scheduled through the Office of University Relations.

## **Sigma Zeta (Science)**

Sigma Zeta is a national honorary society for declared natural science and math majors who have completed 15 credits in math or science, earning at least a 3.0 grade point average. Its purpose is to expose students to aspects of professional life prior to graduation through involvement in local chapter activities, research, conventions, and research dissertation presentations.

## **Social Events**

The academic year at George Fox University is highlighted by a variety of social functions. Homecoming is one of the major campus events of the year, when the entire University community hosts returning alumni. Various other activities occur throughout the year. The student government's Activities Committee provides one activity every week.

## **Theatre**

Theatre, part of the Fine Arts Department, presents two major dramas and a music theatre production each year, as well as student-directed short plays and informal course-related performances. Augmenting the on-campus theatre program is the George Fox University Players, a touring drama group, which presents improvisational theatre throughout the Northwest at churches, prisons, camps, retreats, schools and marketplaces.

## CHAPEL AND CAMPUS MINISTRIES

Chapel provides a source of spiritual direction and instruction. Musical programs, outstanding speakers, and faculty and student participation continue to produce meaningful, informative, challenging chapel services and convocations. Chapel is held two times a week, and a standard of attendance is required of all full-time undergraduate students. Attendance is registered, and an attendance roll is maintained. Chapel is not designed to duplicate or replace the ministry of the local church. Rather, it is a unique part of George Fox as a faith-affirming university, a place where equipping and encouraging occurs.

Students with inadequate chapel attendance records run the same risks as students who have educational deficiencies in their classroom performance. So, just as a sufficiently low grade point average will lead to the suspension of the student from the University, so, too, a sufficiently low chapel attendance record may result in the suspension of the student from a major extracurricular activity or from the University itself.

The churches of the community maintain a variety of worship and ministry programs for college youth. Students are welcome to their services and fellowships, and opportunity for participation and student membership is provided. Regular church involvement is desired and strongly encouraged of all students.

The Campus Pastor, the Director of Outreach and Discipleship, the Christian Services Director, and the Student Chaplain direct worship and ministry activities on the campus and provide varied opportunities for every student who desires to move beyond being a “hearer” of the Word of God to becoming a “doer.” The office sponsors Green Room, “Over the Edge” (a Sunday night worship and praise time), two weeks of Christian emphasis each year, an annual missions conference, and many prayer meetings, serve trips, and small group Bible studies.

Both on-campus and off-campus Christian ministry and service are encouraged as a means of exercising the spiritual gifts and abilities of students. Anyone representing the University in a specific ministry must be authorized to do so by the University administration.

## STANDARDS OF CONDUCT

By accepting admission to George Fox University, students agree to respect the expectations and appointed leadership of the institution. All expectations are designed to allow the fullest liberty consistent with efficient work, while at the same time promoting the welfare of the entire campus community.

The University admits students with the understanding that they will comply with these expectations in every respect and conduct themselves as responsible citizens. All students are expected to maintain normal standards of behavior, which include conforming to state and local laws.

Any student whose behavior is dishonest, destructive, unethical or immoral, or whose conduct is detrimental to the total welfare of the community, shall be subject to disciplinary action that may result in suspension or dismissal.

In accordance with Christian convictions honoring the body as the temple of the Holy Spirit, the University community accepts a lifestyle that forbids immoral sexual behavior and the use, possession or distribution of alcohol, tobacco or illegal drugs. Gambling and obscene or pornographic articles or literature also are unacceptable. These lifestyle expectations are for both on and off campus.

A limited number of thematic all-campus social dances are permitted each year, sponsored by the Associated Student Community under guidelines approved by the University administration and Board of Trustees. The academic program also includes choreography in drama, musical productions, ethnic activities and athletic events.

## LIVING ARRANGEMENTS

### Housing Policies

George Fox is a residential university. Approximately 70 percent of the student body live in campus housing. It is the belief of the University that the students' academic and social goals are more easily attained when pursued in attractive surroundings. Interpersonal relationships experienced in residence halls, residence apartments, and residence houses are strong factors in producing positive personal development. The policies and procedures governing residence housing are an outgrowth of the basic values of George Fox University.

All unmarried full-time undergraduate students under the age of 23 after September 1 of the academic year are required to live in University-owned housing. Exceptions are given to students who live with a parent or legal guardian and to students who have completed three years of college work.

Specified hours have been established for co-ed visitation. Additional residential housing details are included in the Student Handbook provided for each student.

Nine modern residence halls house 660 students. The newest of these facilities is a yet unnamed hall that houses 124 students. It is scheduled to open in the fall of 1996 and will house a wing of men and a wing of women residents.

Pennington Residence Hall, with a capacity of 102, has one wing for men and one for women students. Edwards Residence Hall, a residence for 106, also has one wing for men and one for women.

The Hobson-Macy-Sutton Residence Hall complex houses 222 students in three-floor buildings. Macy Residence Hall and Hobson Residence Hall are for women, while Sutton Residence Hall houses men only.

Carey Residence Hall houses 32 men and women in eight suites on two floors, the top floor for women, the bottom floor for men. Willcuts Residence Hall houses 40 men and women in 10 suites on three floors. The top floor is for men, the bottom two floors for women. Beebe Residence Hall is set up the same as Willcuts Residence Hall.

Campus housing also includes five apartment complexes and 14 houses for upper-classmen. There are approximately 1,000 students living on campus. Housing administration is handled by the Associate Dean of Students in the Student Life Office.

Residence housing is furnished with beds, mattresses and other essential furnishings. Students are expected to provide their own bedding, towels, etc. All belongings should be marked clearly for identification. Coin-operated laundry facilities are provided for each residence.

New students will be mailed a housing preference form after they pay their tuition deposit to the Admissions Office.

Occupants of residence housing are held responsible for damage to their unit and furnishings. Cost of damage or cleaning beyond normal wear, unless such damage has been identified with an individual, will be charged on a prorated basis among the occupants of the unit. A final inspection by the Resident Assistant of each residence housing unit must be made before a student may leave at the end of the academic year or withdraw from the University. Final checkout from a residence housing unit is complete only with this inspection, after the key is turned in, and after the professional staff resident director has signed off on all student staff paperwork. Failure to follow the checkout procedure will result in a \$35 fine.

## Food Services

With the exception of seniors living in University-owned apartments, resident students are required to eat on the University board plan in Heacock Commons. The University offers an "open dining" plan for all students eating in Heacock. The hours for the "open dining" are 7:15 a.m. to 7:15 p.m. on Mondays through Fridays; 10 a.m. to 2 p.m. and 4 to 7 p.m. on Saturdays and Sundays. A charge is made for guests. Commuting students may obtain meal tickets through the food services office. Commuting students also may purchase the full meal plan and must indicate their intent to do so at the time of registration.

Food service begins during Freshman Orientation in the fall semester and ends on the last Saturday of the semester. Service begins again the Sunday evening prior to spring semester and concludes on the last Saturday of the semester, with the exception of spring vacation. The food service will not operate during this time.

Students may petition the Associate Dean of Students for the possibility of having the food service requirement waived. Only in exceptional circumstances will such petitions be granted. All petitions are due no later than 5 p.m. on the Friday of the third week of the semester.

## Motor Vehicles

The ownership or possession of automobiles or other motorized vehicles by students is permitted. Students are advised to maintain appropriate insurance coverage on such vehicles. Any student who is registered and attending classes, whether full or part time, must have his or her motor vehicle registered with the Security Office and pay a non-refundable parking fee. Failure to do so will result in fines.

## STUDENT SERVICES

### Student Life Office

This office, located in Wood-Mar Hall, is responsible for the organization and programming of residence housing, inter-collegiate athletics, student government, student activities, and campus ministries. This office also offers individual attention to problems arising among students. Students are encouraged to contact this office whenever they are concerned about aspects of University life not specifically related to curricular programs. The Vice President for Student Life coordinates these services and programs.

### Career Services Office

This office, located in Wood-Mar Hall, is the center for career and postgraduate planning. This covers selecting a major to finding employment or attending graduate school. Resources include career courses, testing, counseling, special events, job search skill training, and a library with occupational, graduate school, and company information. Permanent, summer, and internship jobs are posted daily, with a weekly job bulletin published as well. Comprehensive computer guidance, the Alumni Career Resource Network, the Oregon Liberal Arts Placement Consortium Jobs Fair, and the JobTrak on-line job listing service are special features. Staff includes the director, assistant, secretary and intern.

### Financial Aid Office

This office in the Hoover Academic Building coordinates student employment; awards of scholarships, grants and loans; and other forms of financial assistance.

### Health and Counseling Services

General medical and counseling health services are located in the Health Center. Diagnosis and treatment for minor illnesses and injuries, immunizations, allergy injections, referrals to local physicians, and health education are available. A nurse practitioner is available by appointment, and a registered nurse is available throughout the school day for outpatient care.

The counseling staff consists of a licensed psychologist and several master's-level counseling or psychology practicum students. Individual counseling with a focus on using short-term techniques is provided for students who wish to discuss a wide variety of personal concerns. Sessions are normally planned weekly and usually last about one hour. Group therapy, marriage and premarital counseling, outreach seminars, crisis intervention, testing, and referral also are available. Counseling sessions are by appointment only.

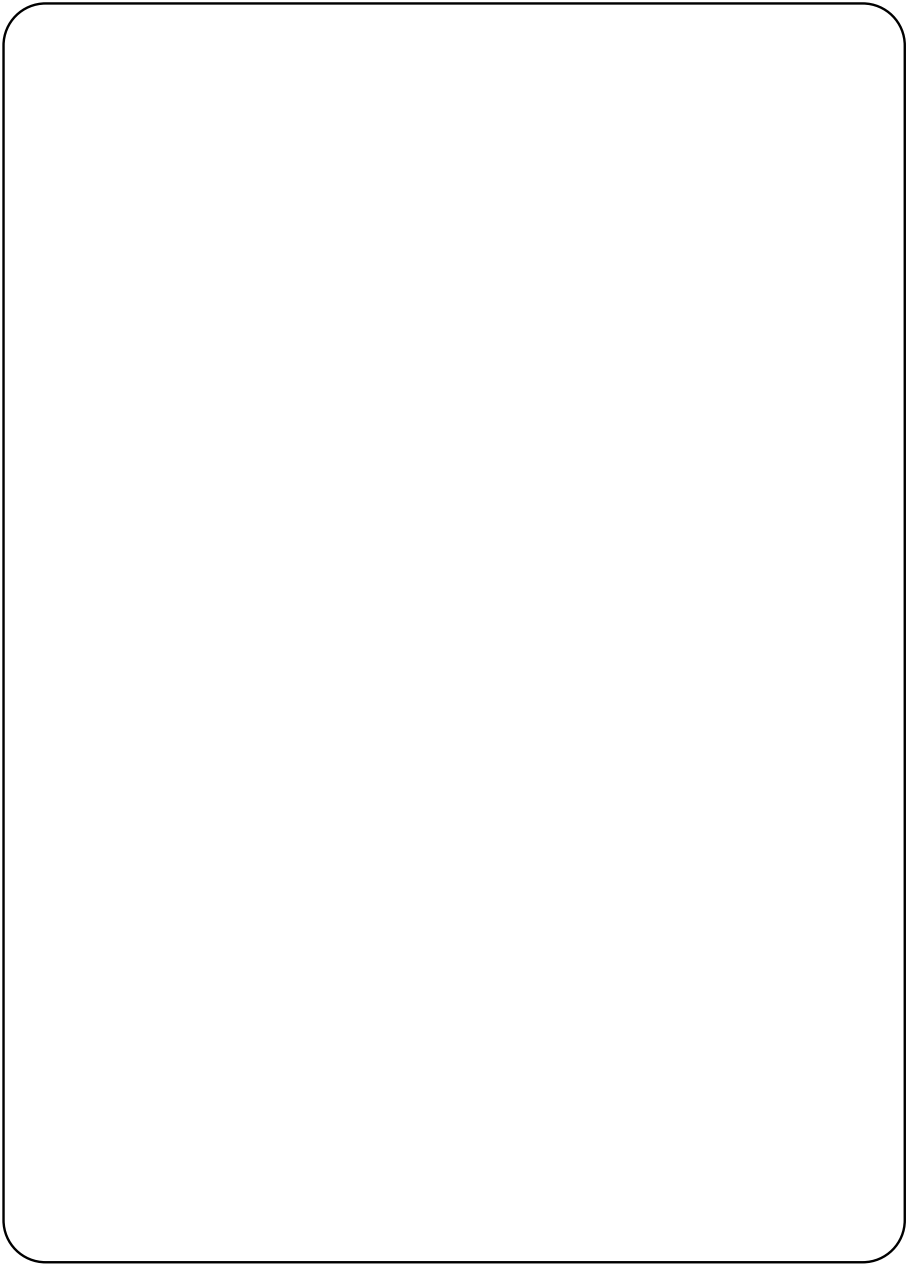
Counseling and health care professional services are provided at no cost to undergraduates who have paid the student health fee. All other students are charged \$10 per visit for services rendered. Nominal fees are charged for psychological assessment and medical supplies. Health accident insurance is required of all students. Students must verify adequate insurance coverage elsewhere or be enrolled in the Student Medical Insurance Group Plan at the time of registration. Each student must have a completed Health History and Immunization Record on file in the Health Center. The state of Oregon requires every student born after December 1956 to have proof of a second measles immunization. All records in the Health Center are confidential (for students 18 and over).

### International Student Advisor

The International Student Advisor helps facilitate the meeting of diverse cultures in the George Fox University community, serving as the advisor for international students. The University recognizes that international students bring with them unique needs as well as welcomed contributions. The advisor seeks to help students adjust to their new home and to help the campus community develop an empathy for their needs. The advisor also encourages their participation in the academic and social life of the University and in the exploration of the surrounding American culture. The advisor is the international student's friend and advocate on and off campus before, during and after the University's academic sessions.

### Student Leadership Director

The Director of Student Leadership advises student government, student activities, class officers, clubs, and all George Fox student publications. The director functions as a resource person for the students and coordinates training for the various leadership positions. Students are encouraged to participate in one of the many leadership opportunities on campus.







## COURSE CHALLENGE PROGRAMS

Students may reduce the number of required courses and add flexibility to their undergraduate years by one or more of the following programs.

### Advanced Placement

College credit may be granted in several subject areas to the student who completes a college-level course in high school and receives a score of three or better through the Advanced Placement Program sponsored by the College Entrance Examination Board. Students expecting advanced placement credit should request, at the time the test is taken, that scores be sent to George Fox University.

### International Baccalaureate (IB)

College credit may be granted in several subject areas to students who complete college-level work through the International Baccalaureate program. A minimum score of five is required on High Level examinations for credit consideration. Students must provide the Registrar's Office with a copy of the International Baccalaureate transcript to receive consideration. Credits awarded as a result of International Baccalaureate documentation will be accepted as transfer credit.

### College Level Examination Program

The Educational Testing Service of the College Board provides nationally recognized standardized testing through which college credit may be earned or course proficiency verified. This is the College Level Examination Program (CLEP).

Testing through the CLEP General Examinations is designed to verify competency in general education. Tests may be taken in five areas for a maximum of 32 semester hours of credit. (General examinations are to be taken prior to the completion of the first semester of enrollment at George Fox University.) It is recommended that the English Composition examination with essay be taken in June prior to college enrollment.

Testing through the CLEP Subject Examinations provides verification of competency in selected academic fields such as foreign language, mathematics, etc. These may be taken at any time and assume competency has been gained in nonclassroom settings. See the Registrar for details and test applications. The tests are administered by the Registrar, as authorized by the College Entrance Examination Board, which sponsors the examinations.

### Credit by Examination

Courses offered at George Fox University for which CLEP testing is not available may be challenged by examination. There is a test fee of \$40 per examination. See the Registrar for details.

### Proficiency Test

A student may fulfill general education and some program requirements or become eligible for registration in advanced courses by passing a proficiency test for the area involved. No fee is charged for proficiency testing, and credit is not granted. Typical academic areas for which proficiency tests are available are languages, music, Bible, and physical education activity courses.

A student from a non-English-speaking nation may fulfill the language requirement by demonstrating proficiency in the English language.

## FACILITIES

### Murdock Learning Resource Center (Library)

The M. J. Murdock Learning Resource Center is a three-story building serving the George Fox University community from a central campus location. A major expansion project, completed in the fall of 1988, doubled the size of the former library to more than 35,000 square feet. The library collection has more than 110,000 volumes and receives more than 800 periodicals and newspapers.

The library's public catalog was automated in January of 1995. The catalog also provides "gateway" access to numerous other academic libraries. As a member of the Online Computer Library Center (OCLC), the library has direct access to a database of

more than 32 million bibliographic records that represent the holdings of thousands of member libraries in the region and the nation. The library is also connected to the Internet, a massive "information highway" linking thousands of computer networks around the world. Public terminals are available for Internet access. Computers in the reference department enable students to use numerous indices and abstracts on CD-ROM. The library is a member of the Portland Area Library System (PORTALS), through which access is provided to member libraries and numerous databases. The library is also a member of Orbis, a consortium of academic libraries with a union catalog located at the University of Oregon. George Fox University students may use the Portland State University library, as well as several other private college libraries in Oregon through special arrangement.

The library has several special collections, including the Quaker Collection of basic Quaker authors, pamphlets and periodicals. The archives of Northwest Yearly Meeting of Friends Church and of George Fox University, dating from the 1880s, are preserved in a special room. The Hoover Collection contains materials written about President Herbert Hoover and his administration. The Peace Collection contains books and periodicals pertaining to conflict resolution and international peacekeeping.

The John C. Brougher Memorial Museum, located in Brougher Hall, houses artifacts of George Fox University history, Quaker history and missions, and early Pacific Northwest Americana.

Instructional media services are housed in the north end of the MLRC's lower level. Projectors, audio and videotape recorders, and playback equipment are available for classroom, student and faculty use. In the Computer-Assisted Instruction Lab, students may fulfill certain course requirements and may have access to word processing and other computer functions. The Instructional Media Center provides a darkroom; recording studio and preview room; and equipment for dry mounting, laminating, thermal and photocopy overhead transparency production, and slide and tape duplication. A satellite dish on the building's roof enables the center to receive programming from 19 satellites.

## Tilikum Retreat Center

Christian camping is emphasized through the facilities of University-owned Tilikum, a center for retreats and outdoor ministries for the greater Portland area. The combined strengths of the faculty in physical education, home economics, Christian educational ministries, and more come together in a program for preparing camp leaders.

Tilikum features a year-round program of retreats with a wide appeal to all ages and denominations. More than 2,000 children enjoy the summer camping program. University students have opportunities for study, recreation and personal renewal.

The Tilikum staff provides the following kinds of retreat experiences:

- (1) relational—family groups, men, women, couples, teens, and single parents—with a goal of strengthening the entire family unit;
- (2) planning and retooling for local churches—biblical goals in today's society;
- (3) senior adult Elderhostels; and
- (4) retreats for University students emphasizing spiritual growth, recreation activities, or class projects.

## Video Communication Center

The campus Video Communication Center provides facilities, space and equipment for the technical aspects of courses in the communication/video production major. The center also prepares educational videocassettes on a variety of subjects of value for schools, business and industry, churches, and individual home study.

The broadcast-quality equipment facilitates a variety of student production experiences. Students assist in all phases of production for commercial, industrial and institutional clients.

## OFF-CAMPUS PROGRAMS

### American Studies Program

The American Studies Program, sponsored by the Coalition for Christian Colleges and Universities, is designed for juniors and seniors with a wide range of academic majors and vocational interests. Students are involved in the American Studies Program for periods of three or four months. The internship/seminar opportunity is available starting in September and in January.

The American Studies Program was created to provide field experience and study opportunities in Washington, D.C., for diverse majors and personal interests. The program is based on the principle of integrating faith, learning, and living through both a real-life work experience and a study program. Students spend their time in Washington serving as interns, participating in a contemporary, issues-oriented seminar program, and living in a small Christian community. Internships are available in congres-

sional offices, social service agencies, think tanks, cultural institutions, and many other organizations.

Further information and application forms are available from the Registrar.

### Consortium Visitor Program

The Christian College Consortium, described on page 5, sponsors a student visitors program intended as an enrichment to those disciplines where personnel and courses may be somewhat limited. Normally this one-semester experience should be part of the junior year or the first semester of the senior year. Application forms and a descriptive brochure are available from the Registrar.

The program permits a student in good standing to enroll for one semester at one of the other consortium colleges. Qualifying students must have at least a 2.5 grade point average and have completed prior to application one or more semesters free of academic or citizenship probation.

Travel courses, plus some inner-city and overseas study opportunities, are available through the coalition schools. These change each year.

Selection to the above programs will be based on the academic purposes involved, grade point average, citizenship, classification, and the extent to which the student has or has not had diverse educational experiences.

### Field Education

This program, commonly referred to as "field experience," "internship," or "cultural experience," usually takes place off campus, yet is an integral part of the student's academic experience. Its purpose is to promote personal and career development by integrating classroom study with planned and supervised practical experience in vocational, educational or cultural activities outside the classroom.

Enrollment in field education is an elective option in certain majors and a requirement in others. Refer to each program to determine how it applies. The program is open to George Fox University students only.

Two main types of off-campus experience are available: career and cultural. The career-oriented field experience focuses on

two levels, which are “exploratory” (275) and “preparatory” (475). These two levels provide opportunity for initial exposure to a career-interest area and for realistic preparation toward a chosen field. The culture-oriented field experience (GED 375) is designed to encourage a short-term residence in a different cultural setting, e.g., foreign country, ghetto, rural community.

Academic credit may be earned through participation in an approved field education program. A full-time student may generate up to 12 credit hours during one semester. Part-time involvement can generate credit at the same rate as other methods of learning. Thirty to 45 clock hours per semester are required for one hour of credit. A maximum of 20 hours may be accumulated in field education between numbers 275, 375 and 475. Twelve hours are allowed between the career-oriented options, 275 and 475. Normally, the three alternatives are broken down as follows:

- \_\_\_\_\_ 275 1 to 3 credit hours
- GED 375 2 to 12 credit hours
- \_\_\_\_\_ 475 2 to 12 credit hours

Applications for field experience should be requested through the Registrar. Request forms must be completed, approved by the department chairperson, and submitted to the Registrar for enrollment. The vital link to a successful field experience is the faculty sponsor (supervisor) with whom the learning plan is developed and carried out. The program also necessitates a field supervisor at the location of service or employment with whom the faculty sponsor and student interrelate.

Evaluation of the field experience is based upon successful completion of the stated individualized objectives in the Learning Plan. Field experience may be “pass” or “no pass” at department option or, in absence of department policy, at the student’s option.

### **International Trade Institute**

Through the International Trade Field Study Program, based in Portland, Oregon, college seniors have the opportunity to participate in a field experience and seminar program focusing on foreign trade, international business, global politics, and area studies. This program, sponsored by the state of Oregon, is a cooperative effort of state government, the business community, and Oregon’s public and private colleges. It links traditional classroom learning with direct experience in international commerce.

### **Los Angeles Film Studies Center**

Under the direction of the Coalition for Christian Colleges and Universities, the Los Angeles Film Studies Center makes a “Hollywood Semester” available to upper-division George Fox University students who qualify and who are accepted. Its purpose is to enable college students to serve in various aspects of the film industry with professional skill and Christian integrity. Located in Burbank near major production studios, the semester-long program combines seminar courses with internships in various segments of the film industry, providing the opportunity to explore the industry within a Christian context and from a liberal arts perspective. The Hollywood Semester consists of three courses:

- Inside Hollywood: The Work and Workings of the Film Industry
- Keeping Conscience: Ethical Challenges in the Entertainment Industry
- Film in Culture: Exploring a Christian Perspective on the Nature and Influence of Film

Students who complete the semester may then apply for a semester-long internship in their field of interest. See the Registrar for further details and application forms.

### **Malheur Field Station**

George Fox University holds membership in the Malheur Field Station Consortium of 25 Oregon, Washington, Idaho, and Nevada colleges and universities. The consortium maintains an undergraduate and graduate research facility on the Malheur Wildlife Refuge south of Burns, Oregon. Summer college credit can be obtained there in courses including archaeology, art, biology, photography, sociology and writing. Information may be obtained from the biology faculty.

### **OICA Cross-Registration**

A full-time student may take one course a semester for no additional tuition (if total credits do not exceed 17.5 semester hours) at one of the neighboring institutions in the Oregon Independent Colleges Association (OICA). Only courses not available on the home campus may be selected. Cross-registration is initiated by application through the George Fox University Registrar.

## Oregon Theological Consortium Cross-Registration

A full-time student may take one course a semester at one of the Oregon Theological Consortium colleges or seminaries. Similar guidelines and procedures as for OICA cross-registration apply. Contact the George Fox University Registrar for a current list of OTC schools, information on their offerings, and application procedures.

## ROTC Program

Through a cooperative agreement with the University of Portland, George Fox University students may participate in the Air Force Reserve Officers Training Corps (AFROTC) Program offered on the University of Portland campus. For more information, see the University of Portland Catalog or contact the professor of aerospace studies, University of Portland, Portland, OR 97203, (503) 283-7216.

## INTERNATIONAL STUDY PROGRAMS

### Juniors Abroad

In order to enrich the intercultural and international awareness of our campus community, George Fox University offers a transportation-subsidized overseas course of approximately three weeks to any junior student who has fulfilled the following requirements. These tours occur during the annual May Term.

Detailed information about eligibility and specific study tours is available from the Director of Overseas Study. The program's general policies are as follows:

1. Students must have maintained three consecutive years of full-time enrollment. Transfer students may receive partial support for transportation expenses; requests for such support should be made to the Director of Overseas Study.

2. Students will include tuition costs of this course as part of their block tuition for the spring semester preceding the May tour, and will be billed for whatever credits exceed the 17½-hour limit.

3. Students will pay room and board in advance for each tour, to be economically arranged by the University. For the typical Juniors Abroad study tour, the University will pay the full transportation cost for eligible students. On occasion, a tour with unusually high costs may involve a transportation surcharge.

4. Students must have a minimum cumulative grade point average of 2.00 at the end of the fall semester preceding the May tour.

5. Students must be in good standing with the Student Life Office in the fall and spring semesters preceding the May tour.

6. Students must intend to return and graduate from George Fox University.

7. Student accounts must be current as of February 15 the year of the tour.

8. The University reserves the right to withdraw from this program and commitment prior to fall registration in any year. Students already registered under the program are guaranteed the tour.

9. The University reserves the right in the event of an international monetary, military, or other crisis to cancel or postpone a tour or to make substitute arrangements.

10. The University does not obligate itself to alternative remuneration to students who cannot go, who decide not to go, or who are ineligible to go on a Juniors Abroad study tour.

11. Students (or alumni or friends of the University) who are ineligible for free transportation may apply to join a study tour and pay their own transportation and tuition.

### Latin American Studies Program

Based in San Jose, Costa Rica, the Latin American Studies Program, under the direction of the Coalition for Christian Colleges and Universities, offers a semester of study and travel in Central America. Students live with Costa Rican families, participate in a service opportunity or internship, travel to other Latin American countries, and engage in both a language and a seminar program. Seminars deal in-depth with Latin American culture, history, politics, economics, and religious life. Two specialized academic tracks, International Business and Management and Tropical Sciences and Sustainability, are available to qualified students.

## Middle East Studies Program

The Middle East Studies Program in Cairo, Egypt, provides students with opportunity to study Middle Eastern cultures, religions and conflicts from within this diverse and strategic region. Juniors and seniors from Christian colleges participate in interdisciplinary seminar classes, receive Arabic language instruction, and serve as interns with various organizations in Cairo. The MESP encourages and equips students to relate to the Muslim world in an informed and constructive manner.

## Study in Spain Program

Students may apply to study in Spain for one semester through a cooperative agreement with Trinity Christian College of Palos Heights, Illinois. The Study in Spain Program is designed primarily for students majoring or minoring in Spanish. Students study in Seville, Spain, and live in local homes while attending classes with students from Trinity and other colleges.

Application to the program must be coordinated with foreign language faculty.

## Study in Africa Program

Students may apply to spend an exchange semester or year at Daystar University College in Nairobi, Kenya, in the Study in Africa Program operated through the Christian College Consortium. Programs of study include communications, business, education, community development, and Bible and Christian ministries, as well as courses in the history, culture, literature, politics, art, music, and religions of Africa. All instruction is in the English language, offered by a faculty composed primarily of African nationals. The application deadline is January 15 for the following academic year.

## Russian Studies Program

Based in Moscow, St. Petersburg and Nizhni Novgorod (formerly Gorky), the Russian Studies Program, under the direction of the Coalition for Christian Colleges and Universities, includes Russian language training and seminars on Russian history and culture. Students also participate in a service project as they explore the challenges facing Russians today in the light of biblical truth. Students reside in university

accommodations in Nizhni Novgorod and spend the final three weeks with Russian families in St. Petersburg.

## Further Information

For further information and application materials for the above programs and other overseas opportunities, contact the Director of Overseas Study.

## ON-CAMPUS PROGRAMS

### Academic Success Program

A limited number of carefully selected students who do not meet regular admissions standards are welcomed to the George Fox University Academic Success Program each fall. Admitted provisionally to the University, ASP students attend an afternoon orientation before other students arrive. Under the individualized guidance of the ASP director and specially appointed faculty advisors, they register for fall courses. Tutorial assistance and other aids are available, as needed. Total credit hours are limited to 14 for fall semester.

### Center for Peace Learning

The Center for Peace Learning was established in 1985 after a growing concern among administrators, faculty and students that George Fox University have an active learning program dealing with peacemaking and conflict resolution. The planning for the center was the specific result of a searching question in Senator Mark Hatfield's address at the inauguration of President Edward Stevens in March 1984. The senator asked what George Fox University was doing about the frightening possibility of nuclear war.

The center coordinates a number of courses, taught by faculty in various departments, which can be combined in a minor or used to enrich courses taken to prepare for service in such careers as social work, pastoral ministry, peace education, teaching in public or private schools, diplomacy, and business. In addition to regular course work, the center offers a variety of learning experiences for students and community participants, including lectures, films, international work/study trips, and field experi-

ence placements. Research is encouraged and made possible by the peace collection in the M. J. Murdock Learning Resource Center and by the specialized materials in the Center for Peace Learning.

The Center for Peace Learning conducts a study program in conflict management to prepare students for practical peacemaking in their work, church, community and family. (See page 47.) Certificates are awarded upon completion of the program, details for which are presented in the Peace and Conflict Studies section of this catalog.

### Computers Across the Curriculum

This program provides a Macintosh computer to each faculty member and every full-time traditional undergraduate student. The cost of the computer is included in tuition. The purpose of the program is to enhance the experience of teaching, learning, and research during the years spent in college. Professors and students use their computers to make classroom presentations, share software programs and documents, communicate and conference via e-mail, access the Internet, and develop software specifi-

cally for their courses. Instructional software programs developed at other colleges and universities are also used in the classroom and laboratory.

The program also features a Macintosh laboratory located in the Murdock Learning Resource Center. This lab is open to all students and gives access to color computers, laser printers, a color printer, a scanner, CD-ROM and laser disk drives. From this lab students can access the campus network and campus e-mail system. The Campus Computer Store provides computers, software and supplies to the University. Also available is a help desk for support and computer repair services.

### English Language Institute

George Fox University offers an intensive English as a Second Language program during the academic year for international students who need to improve their academic English skills. For details of curriculum, credit and enrollment, see page 39.

### Freshman Seminar Program

Repeated studies of the experience of college freshmen have found that the degree to which students identify with and become involved in the college environment during the first few weeks of attendance affects their success and satisfaction with their entire college experience. As a result, George Fox University demonstrates its commitment to freshmen by providing a Freshman Seminar Program to assist students as they integrate themselves into the academic and social life of the University community.

All first-time freshman students who matriculate fall semester participate in the Freshman Seminar Program.

Students meet in small groups with an assigned faculty advisor for a required one-hour Freshman Seminar for the first five weeks of the fall semester. The faculty advisor also meets with students individually for academic advising. A returning student peer advisor is assigned to a group and maintains one-on-one contact with each freshman to assist with the tran-

sition to college life. This program provides new college students with the opportunity to interact—beyond

the residence hall and traditional classroom setting—with each other, with a faculty member, and with a returning student during the first semester of enrollment.

### Herbert Hoover Symposia

Every two years since 1977, members of the history faculty have invited to the George Fox University campus leading authorities on the life and career of Herbert Hoover. Hoover Symposium X, on "The Chief and His Crew," was held in November 1995. These meetings are attended by professional historians, students, faculty, and friends of the University. Credit is offered to students who study selected aspects of the rich and varied career of the 31st president of the United States.

The ties between Herbert Hoover and George Fox University began in 1885. That fall, 11-year-old Bert Hoover, recently orphaned in Iowa, moved to Newberg, Oregon, to live with his uncle and aunt, Dr. Henry John and Laura Ellen Minthorn. Minthorn had recently opened Friends Pacific Academy, and Bert enrolled in the first class shortly after his arrival. He studied under dedicated Quaker mentors and helped pay his way by tending furnace, sweeping floors, and cleaning blackboards.

"As a young student there for three years," President Herbert Clark Hoover said in later years, "I received what-ever set I may have had toward good purposes in life."

The Academy was the predecessor school to George Fox University, which was founded in 1891. Those on campus with a sense of heritage often think of the quiet lad who studied here a century ago. No one dreamed he would grow to be named "Engineer of the Century," that he would live and work on five continents, that he would direct the greatest humanitarian projects the world has seen, and that in 1928 he would be elected president of the United States.

"I can't afford to underestimate the potential of any student," is the way one professor puts it. "The steady gaze of young Bert

in those old photos won't let me!"

### Intensified Studies Program

The Intensified Studies Program offers selected students an opportunity to go beyond the normal University curriculum, integrating material from a variety of disciplines and creatively exploring unusual topics largely chosen by students. Sophomores and juniors participate in an innovative Honors Colloquium, earning one hour of credit per semester. Seniors who have completed the Colloquium are eligible to propose an honors research project with a modest research budget. All participants will receive a small scholarship.

Freshmen and sophomores with a grade point average of 3.25 or better apply for admission to the program in the spring semester. Applications are reviewed by a faculty committee, and approximately 15 students are admitted each year. The Colloquium involves flexible courses of study designed in consultation with the students in the course. The course, graded on a pass/fail basis, covers a flexible range of topics designed to challenge students outside their major disciplines.

Juniors planning to do a senior honors project apply by submitting a project proposal in the spring semester, which must be approved by a faculty advisor and the directors of the Intensified

Studies Program. Seniors earn three to five hours of credit per semester for the two-semester research project. Completed projects are evaluated by the advising professor and the program directors. Only those which meet the standards of the Intensified Studies Program are recorded as honors projects and shelved in the University library; others receive regular college credit as independent research.

### May Term

This two-, three-, or four-week academic session is used for a variety of domestic and international study tours, regular courses, experimental and enrichment courses, and seminars covering topics of current interest. Juniors Abroad study tours normally occur during this time. May Term offerings are detailed on the class schedule and on supplemental bulletins.

### Summer School

In recent years, George Fox University has not sponsored regular undergraduate classes in a summer school. Students have been encouraged to use the summer for work, travel, and cocurricular activities that add to life's dimensions in learning and living.

Independent study and research are available for the summer under curriculum numbers 295 and 495. Applied learning experiences in practical situations under supervision (field education) are available through courses numbered 275 and 475, or GED 375 Cultural Experience. See "Field Education" on page 21.

Continuing education courses in the Management and Organizational Leadership and Management of Human Resources programs and graduate courses in the Master of Business Administration, Master of Arts in Teaching, Master of Education, and Doctor of Psychology programs are offered during the summer months.

## PREPROFESSIONAL PROGRAMS

### Pre-dental, Pre-medical, Pre-veterinary Programs

George Fox University is pleased with the excellent success students have had in gaining admission to medical and dental schools. Students who wish to pursue a career in medicine, dentistry or veterinary medicine usually select a major in biology or chemistry. They may, however, choose any academic major the University offers as long as they take certain specific courses required by the professional schools. George Fox University offers all of the science and mathematics courses required by the professional schools of the region. Even though specific requirements differ with each medical school, the requirements uniformly include the following:

BIO 101, 102 General Biology  
 CHE 111, 112 General Chemistry  
 CHE 325, 326 Organic Chemistry  
 PHY 201, 202 General Physics  
 One year of mathematics, usually fulfilled by MTH 201, 202 Calculus

Other courses highly recommended are as follows:

BIO 310 Embryology  
 BIO 322 Comparative Vertebrate Anatomy  
 BIO 330 Animal Physiology  
 BIO 350 Genetics  
 BIO 370 Microbiology  
 BIO 420 Cell Biology  
 CHE 310 Analytical Chemistry  
 CHE 340 Biochemistry  
 CHE 401, 402 Physical Chemistry

It is important to consult with your academic advisor early in setting up a plan for a strong program. Students should be aware that, in addition to meeting the minimal entrance requirements, good grades (3.5 grade point average or above) and a strong performance on the national admissions tests (MCAT, DAT, VAT, usually taken in the spring of the junior year) are essential. Also necessary for admission are letters of recommendation and an interview with the professional school's admissions committee.

Our world needs Christian health professionals strong in character and maturity who have had broad educational and social experiences. George Fox University offers excellent opportunities to build these qualities through academic courses in areas such as ethics, psychology, computer science, literature, history, and foreign languages, and through varied social opportunities.

### Pre-law Program

Students considering law school enjoy a wide range of options in their course of study, which can be worked out with their pre-law advisor. The best preparation for law school (and a legal career) emphasizes a broad liberal arts education as an undergraduate. Students need to be preparing themselves to understand complex real-world problems from as many perspectives as possible.

As a result, the student may choose from many different majors, supplementing the major with electives and general education options that stress writing and oral communication skills, logical and critical thinking, close reading of different material, and deeper understanding of society and culture. Pre-law students are strongly encouraged to take PSC 260 Introduction to Law, and to join in the activities of the pre-law club.

### Pre-nursing Program

A student can take one or two years of pre-nursing at George Fox University in preparation for application to a nursing school. George Fox offers the full spectrum of pre-nursing curricula that allows smooth matriculation into most schools. These courses typically include general chemistry, math, human anatomy and physiology, microbiology, life span human development, cultural anthropology and others. Students should contact the nursing school of their choice for requirements.

George Fox University has an agreement with Seattle Pacific University School of Health Sciences whereby a specified number of students may be admitted annually to the sophomore year of the SPU nursing program. Consult with the pre-nursing advisor in the Department of Biology and Chemistry for specific requirements.





## GENERAL EDUCATION REQUIREMENTS

To complete an undergraduate academic program at George Fox University, a student must select one of 34 majors to pursue one of two degrees: the Bachelor of Arts or the Bachelor of Science. A course of study includes three basic components: general education, the major field, and supporting and/or elective courses. Minor fields are optional and are composed of elective courses that have been packaged for identification of a vocational purpose or an interest.

“General education” is sometimes called a “core curriculum” or “general studies.” It is that part of the college experience required of all graduates (although options may be permitted within certain programs) that gives them a common heritage and helps implement the distinctive University mission.

General education requirements total 57 semester hours. Certain lower- and upper-division courses in general education are required of all students. The specified courses and the options listed below provide knowledge and skills in support of cultural perspectives and major programs. Since some majors have specified certain of the options stated below, students should check the major requirements described for their selected majors. Except for such specifications, students may not use the same course to fulfill both general education and major requirements. A class may apply toward both general education and a minor. Additionally, all first-semester freshman students who matriculate in the fall are required to enroll for GED 130 Freshman Seminar.

### ◆ BIBLE AND RELIGION

1. GED 101, 102 Literature of the Old and New Testaments. (Freshmen are required to take these courses, or a three-hour lower-division Bible elective given a superior placement examination.)  
6 hours

2. Choose one of the following (required of all):  
REL 470 Christian Classics  
REL 480 Spiritual Formation  
REL 490 Contemporary Religious Life  
2 hours

3. REL 260 History and Doctrine of Friends. Required of all Friends students. An elective course in Bible or religion is required of all other students.

BIB 240 Wisdom Literature  
BIB 260 Life of Christ  
BIB 270 Writings of John  
BIB 310 Old Testament History (prerequisite: GED 101)  
BIB 330 Prophetic Writings (prerequisite: GED 101)  
BIB 340 Between the Testaments  
BIB 390 Biblical Basis for Peacemaking  
BIB 411/412 Acts and Pauline Epistles (prerequisite: GED 102)  
BIB 480 General Epistles (prerequisite: GED 102)  
REL 250 Great Moments/Key Persons in Christianity  
REL 270 Doctrine of \_\_\_\_\_  
REL 380 Christian Beliefs  
REL 401/402 Christianity in History  
2 hours

4. Transfer students with junior standing (62 semester hours) who have not taken Literature of the Old and New Testaments or equivalent are required to take a two- or three-hour Bible course at the 200-400 level in addition to the four hours listed under 2 and 3 above, for a total of at least six hours.  
Total: 10 hours

### ◆ COMMUNICATION

1. WRI 110 Freshman Composition. WRI 110 may be waived by a verbal SAT score of 600 or above (if taken prior to April 1995) or 670 or above (if taken after April 1, 1995).  
3 hours

2. Choose one of the following:

COM 100 Introduction to Communication  
THE 120 Introduction to Acting  
THE 220 Oral Interpretation of Literature  
3 hours  
Total: 6 hours

### ◆ HEALTH AND HUMAN PERFORMANCE

Physical education activities and/or health education.

Three semester hours of human performance are required to complete the University's general education requirement. Students may enroll in one limited-enrollment human performance activity course per semester and one unlimited-enrollment human performance activity course per semester. This requirement may be satisfied in the following ways:

1. Human performance activity or adapted activity classes. Limit of two semesters of any one activity.
2. A health course from the following list will satisfy a maximum of one hour of the requirement. The two remaining hours of the requirement must be met through activity courses.

- HEA 200 Drug Education
- HEA 230 First Aid and Safety
- HEA 240 Stress Management
- HEA 300 Nutrition
- HEA 320 Contemporary Health Issues

3. Up to two hours may be waived upon successful completion of proficiency tests in selected areas. A current Red Cross Lifeguarding or Water Safety Instruction certificate will waive one hour without further examination.

4. Two credits toward the three-hour requirement may be earned on intercollegiate athletic teams. Only one credit in any one sport will count.

5. Any professional activity class meets one hour of the requirement. By permission only.

6. Military services may waive two semester credits.

Total: 3 hours

#### ♦ HUMANITIES

Choose 14-15 semester hours, taking five courses from the options listed below, including at least one course and no more than two courses from each of the following areas: fine arts, history, and literature.

##### 1. Fine Arts

If a student chooses to take two courses in fine arts to fulfill the humanities general education requirement, one must be art and one must be music.

- GED 110 The World of Music
- GED 220 Survey of Art
- ART 101 Basic Design
- ART 111 Drawing
- MUS 100 Fundamentals of Music
- MUS 110 Understanding Jazz
- MUS 111, 112 Introduction to Music Literature
- MUS 210 Keyboard Literature

##### 2. History

- HST 101 Western Civilization to 1789
- HST 102 America and the World
- HST 331/332 England
- HST 340 American Economic and Social History
- HST 481/482 American Thought and Culture

##### 3. Literature

If a student chooses to take two courses in literature to fulfill the humanities general education requirements, the first must be a lower-division course; the second may be lower or upper division.

- LIT 100 Introduction to Literature
- LIT 231 Masterpieces of World Literature, Western
- LIT 240 Understanding Drama
- LIT 331 American Literature to 1900
- LIT 332 American Literature 1900 to Present
- LIT 340 Poetry
- LIT 360 Values Through Story and Myth
- LIT 385 Major Authors
- LIT 431 English Literature to 1785
- LIT 432 English Literature 1785 to Present
- LIT 440 Study of the Modern Novel

##### 4. Philosophy (choose a maximum of one course)

- PHL 210 Introduction to Philosophy
- PHL 230 Ethics

Total: 14-15 hours

#### ♦ SCIENCES

Choose 18 semester hours from the options listed below. Students must choose two courses from natural science, one from math, and two from social science. Students then choose an additional course from either natural science, math or social science.

##### 1. Math

Waiver of three semester hours of math requirement for a SAT score above 600.

- MTH 100 The World of Mathematics
- MTH 120 Intermediate Algebra (Students with SAT of 600 or above are not eligible to take this course.)
- MTH 190 Pre-Calculus
- MTH 201 Calculus I
- MTH 202 Calculus II
- MTH 301 Calculus III
- CIS 201 Introduction to Computer Science
- CIS 202 Introduction to Computer Science

##### 2. Natural Science

- BIO 100 Foundations of Biology
- BIO 101 General Biology
- BIO 102 General Biology
- BIO 221 Human Anatomy and Physiology

- BIO 222 Human Anatomy and Physiology

- CHE 100 Chemistry of Life
- CHE 110 Chemistry and Our Environment
- CHE 111 General Chemistry
- CHE 112 General Chemistry
- GSC 120 Foundations of Earth Science
- GSC 130 Fundamentals of Geology
- PHY 150 Physics of Everyday Life
- PHY 201 General Physics
- PHY 202 General Physics

##### 3. Social Science

- PSY 150 General Psychology
- SOC 150 Principles of Sociology

Students may select one, but not both, of the following to fulfill general education requirements:

- ECO 201 Principles of Microeconomics
- ECO 202 Principles of Macroeconomics

Total: 18 hours

#### ♦ GLOBALIZATION

Choose six semester hours from the current course offerings listed below:

- REL 330 World Christian Movement
- REL 360 Cross-Cultural Outreach
- REL 440 World Religions
- GRE 202 Hellenistic Greek (second semester)
- SOC 310 Cultural Anthropology
- SPN 102 First-Year Spanish (second semester)
- SPN 201, 202 Second-Year Spanish
- FRE 102 First-Year French (second semester)
- FRE 201, 202 Second-Year French
- GER 102 First-Year German (second semester)
- GER 201, 202 Second-Year German
- JPN 102 First-Year Japanese (second semester)
- JPN 201, 202 Second-Year Japanese
- FCS 310 Food, Culture and Society
- FCS 385 Evolution of Dress
- LIT 232 Masterpieces of World Literature, Non-Western
- ECO 360 Global Political Economy
- GEO 200 Cultural Geography
- PSC 250 International Conflict and Peace
- HST 360 Modern Russia
- HST 440 History of Africa
- HST 470 Far East
- HST 350 Latin America
- INS 340 International Relations
- GED 375 Juniors Abroad

Total: 6 hours

## Exemptions and Waivers

Students with adequate background and the desire to take more elective courses are encouraged to check with the Registrar and learn how they can test out of any of the above requirements (with the sole exception of a required minimum of three hours of Bible). A mathematics SAT score of 600 (600 on recentered SAT) or above waives three hours of mathematics/computer requirements (see page 29). A verbal SAT score of 600 (670 on recentered SAT) or above waives WRI 110 Freshman Composition (see page 28). CLEP and Advanced Placement tests win other exemptions, as do campus-administered examinations.

## General Education Requirements for Teacher Education

The following exceptions are approved for elementary education majors, making a 42-hour-total general education requirement:

1. Health and Physical Education: This requirement is met with two hours from the stated options.
2. Humanities: This requirement is satisfied with 12 hours chosen from any of the categories, and including at least two courses each in history (including U.S. history) and in literature (including world literature).

3. Language/Mathematics: This six-hour requirement is waived.

4. Social Science: Three of the six hours of this requirement must be met by PSY 150 General Psychology.

The following exceptions are approved for majors in all secondary education programs, making a 41-hour-total general education requirement:

1. Health and Physical Education: This requirement is met with two hours from the stated options.

2. Humanities: This requirement is satisfied with 11 hours chosen from any of the categories, including at least one course in music or art and at least one course in U.S. history and in literature.

3. Language/Mathematics: This requirement is met with one three-hour course from the stated options in foreign language, mathematics and computer.

4. Social Science: This requirement is met by PSY 150 General Psychology and SOC 150 Principles of Sociology.

## COURSE NUMBERING SYSTEM

Courses are designed for levels of experience and difficulty, and the course numbering system reflects

this. Courses numbered 100 to 299 are lower-division level and normally are open to freshmen and sophomores. Courses numbered 300 to 499 are upper-division level and normally are open to juniors and seniors. Freshmen may not enroll in courses

at the 300 and 400 level except by permission of the chairperson of the department in which the course is offered. A 300-numbered course may be open to sophomores. Exceptions may be made when prerequisites are met and general education requirements have been fulfilled on schedule.

- Course numbers ending in “0” (e.g., EDU 300) designate courses that are complete in one semester. They may be scheduled for either semester during the college year.

- Course numbers ending in “5” (e.g., MUS 105) designate courses that may be pursued for several semesters under the same number, with all credits applicable, within stipulated limits.

- Course numbers ending in “1” and “2” or in “8” and “9” (e.g., CHE 111, 112) designate courses offered throughout the year. A continuing course may not be entered in the second semester without completing the previous semester or obtaining the permission of the instructor.

- Course numbers ending in “75” designate supervised teaching or field education courses for which application is necessary through the Registrar. See “Field Education” on page 21.

- Courses designated “285” and “485” are special classes that may be offered in any department to reflect single-time offerings of visiting professors or group seminars.

- Courses designated “295” and “495” are individualized special study programs not a part of the regular curriculum. Entry application forms are available from the Registrar and, when completed, become a learning contract between the student and the instructor.

- All “475,” “485,” and “495” courses are limited to juniors and seniors who are majoring in the field. A student may not be enrolled in more than four hours of 295/495 in any regular semester and may not accumulate more than 12 hours of 295/495 for graduation.
- Course number “490” designates a senior seminar that is completed in one semester; numbers “491” and “492” designate a senior seminar given each semester.
- Many 300- and 400-level courses are offered in alternate years. If a year of offering is stated, it should be assumed that the course will be offered in alternate years only.
- A GED prefix refers to general education.
- Courses at the 500 to 700 levels are graduate courses.

## MAJORS AND DEGREES

George Fox University confers these degrees: Bachelor of Arts, Bachelor of Science, Master of Arts in Christian Studies, Master of Arts in Teaching, Master of Education, Master of Business Administration, Master of Arts in Psychology, and Doctor of Psychology. Included are 34 undergraduate and six graduate majors, organized in three schools.

Seven additional graduate programs are available through Western Evangelical Seminary, which merged with George Fox University July 1, 1996. (Please refer to WES publications for details concerning these programs.)

### Admission to an Undergraduate Major

Admission to the University does not imply automatic admission to a major. Admission to a major is by application to the department sponsoring the major.

Though entry into George Fox University may be with a major as an objective, application and selection is to be accomplished after 45 credits have been earned, or during the second semester of the sophomore year.

In most cases, admission to a major will include meeting initial standards, as in the example of admission to teacher education and music. Admission to a major is nor-

mally accomplished no later than the end of the junior year, or before the completion of 90 credits.

### Interdisciplinary Majors

The cross-disciplinary major consists of a minimum of 48 semester hours with either a 24/12/12-hour option from three fields or a 24/24-hour option from two fields. The 24/12/12 and the 24/24 options are at the discretion of the department. Of these hours, 30 must be upper division. The student must complete a contract form prepared in consultation with the advisor, the Registrar, and the department chairperson of the largest component.

### Selection of a Minor

A minor is a package of elective courses that have a common bond and that identify certain interests and competencies. Usually a minor consists of an approved group of courses with no less than 18 semester hours, six of which must be upper-division credit. The Registrar's Office will provide information on requirements.

### Programs of Study

Art (B.A.) (*beginning fall 1997*)  
 Biblical Studies (B.A.)  
 Biology (B.S.)  
 Business and Economics (B.A. or B.S.)  
 Chemistry (B.S.)  
 Christian Ministries (B.A.)  
 Communication Arts (B.A.)  
 Communication/Video Production (B.A.)  
 Computer and Information Science (B.S.)  
 Elementary Education (B.S.)  
 Engineering (B.S. 3/2 cooperative)  
 Family and Consumer Sciences (B.S.)
 

- Fashion Merchandising/Interior Design
- Foods and Nutrition in Business

 Health and Human Performance (B.S.)
 

- Athletic Training
- Fitness Management
- P.E. Teaching
- Coaching (minor)

 History (B.A.)  
 Interdisciplinary Studies (B.A. or B.S.)  
 International Studies (B.A.)  
 Management and Organizational Leadership (B.A.)  
 Management of Human Resources (B.A.)  
 Mathematics (B.S.)

Music (B.A.)  
 Psychology (B.A. or B.S.)  
 Religion (B.A.)  
 Secondary Education
 

- Biology (B.S.)
- Chemistry (B.S.)
- Drama (minor)
- Family and Consumer Sciences (B.S.)
- Health (B.S.)
- Language Arts (B.A.)
- Mathematics (B.S.)
- Mathematics (minor)
- Music (B.A.)
- Physical Education (B.S.)
- Social Studies (B.S.)
- Spanish (B.A.)
- Speech (minor)

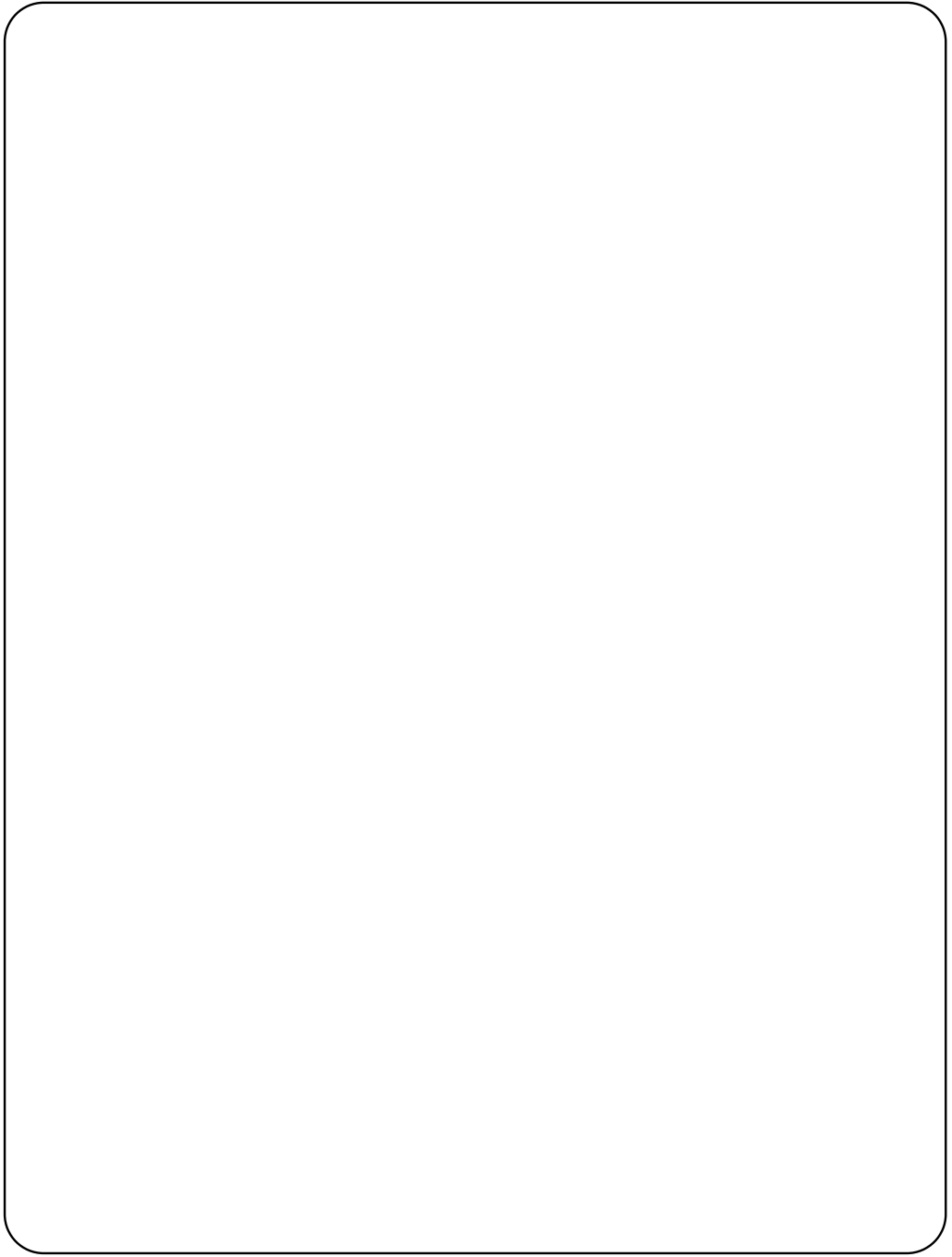
 Sociology/Social Work (B.A. or B.S.)  
 Spanish (B.A.)  
 Writing/Literature (B.A.)

### Supporting Programs

Accounting  
 Camping  
 English as a Second Language  
 French  
 General Science  
 German  
 Gerontology  
 Greek  
 Japanese  
 Leadership Studies  
 Peace Studies  
 Philosophy  
 Physics  
 Political Science  
 Recreation  
 Speech/Forensics  
 Theater

### Preprofessional Programs

Pre-dental  
 Pre-law  
 Pre-medical  
 Pre-nursing  
 Pre-pharmacy  
 Pre-physical therapy  
 Pre-veterinary





## ACCOUNTING

See "Business and Economics."

## APPLIED SCIENCE

(B.S. Degree from George Fox College)

## ENGINEERING

(B.S. Degree from any university with an engineering program accredited by the A.B.E.T. — Accreditation Board for Engineering and Technology)

George Fox University offers a dual-degree 3/2 engineering program that combines the liberal arts with the traditional training for an engineering profession. Students attend George Fox University for three years, taking most of their general education, mathematics, science and lower-division engineering courses. They may then qualify to transfer to any engineering school, where they spend two years in any one of several engineering curricula: aerospace engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, mechanical engineering, or engineering management.

The 3/2 program has a formal cooperative arrangement with the University of Portland, Washington University of St. Louis, and Seattle Pacific University (electrical engineering only). However, students may com-

plete the final two years of the program at any engineering school.

Past participants have completed their final two years at schools such as Oregon State University, Colorado State University, Montana State University, Purdue University, and Texas A & M University.

Students completing this five-year program will receive two Bachelor of Science degrees: an applied science degree from George Fox University after their fourth year, and an engineering degree from the engineering school after their fifth year. Most engineering schools offer a Master of Science program in engineering that can be completed in approximately one additional year.

### Major Requirements

Requirements for an applied science major consist of 45 semester hours, to include the following courses:

|              |  |
|--------------|--|
| EGR 102      | Engineering Graphics                               |
| EGR 200      | Introduction to Computer Programming for Engineers |
| EGR 211      | Engineering Mechanics - Statics                    |
| EGR 212      | Engineering Mechanics - Dynamics                   |
| EGR 261      | Circuit Analysis I                                 |
| PHY 211, 212 | General Physics with Calculus                      |
| MTH 300      | Numerical Methods                                  |
| MTH 310      | Differential Equations                             |
| MTH 320      | Linear Algebra                                     |

Two supporting courses from the following:

|         |                       |
|---------|-----------------------|
| EGR 262 | Circuit Analysis II   |
| EGR 311 | Thermodynamics        |
| EGR 322 | Strength of Materials |
| EGR 331 | Logic Design          |
| EGR 352 | Instrumentation       |

Ten additional hours in engineering courses are to be transferred back from the engineering school.

Eight hours of CHE 111, 112 General Chemistry are required, of which six may meet the natural science general education requirement.

Eleven hours of MTH 201, 202, 301 Calculus I, II, III are required, of which six may meet the mathematics general education requirement.

The remainder of the engineering curriculum will be taken in two years at the engineering school.

For a complete list of required courses, consult the engineering advisor or the Registrar. General education requirements are substantially different for engineering students. Details are available from the engineering advisor or the Registrar.

## ART

(B.A. Degree)

The art major will be offered beginning with the 1997-98 academic year.

### Major Requirements

Requirements for an art major consist of 42 semester hours, to include the following courses:

|         |                               |
|---------|-------------------------------|
| ART 101 | Basic Design I                |
| ART 102 | Basic Design II               |
| ART 111 | Drawing I                     |
| ART 112 | Drawing II                    |
| ART 381 | Baroque and Rococo Art        |
| ART 382 | Twentieth Century Art         |
| ART 385 | Special Topics in Art History |
| ART 460 | Art and Christ                |
| ART 490 | Senior Thesis Exhibit         |

Select 15 hours from the following (these 15 hours must include courses from three separate studio disciplines):

ART 201 Beginning Painting  
 ART 221 Beginning Sculpture  
 ART 231 Beginning Printmaking  
 ART 241 Beginning Ceramics  
 ART 285 Selected Topics  
 ART 295 Special Study  
 ART 301 Intermediate Painting  
 ART 331 Intermediate Printmaking  
 ART 341 Intermediate Ceramics  
 ART 401 Advanced Painting  
 ART 431 Advanced Printmaking  
 ART 441 Advanced Ceramics  
 ART 495 Special Study  
 THE 125/325C Theatre Laboratory  
 THE 255/455 Technical Theatre

## BIBLICAL STUDIES

(B.A. Degree)

### Major Requirements

Requirements for a biblical studies major consist of 40 semester hours (exclusive of general education courses), with 18 hours from upper-division courses (at least six at the 400 level) and distributed as follows:

- 20 hours in biblical studies
- 6 hours in Christian ministries
- 8 hours in religion (including REL 380 Christian Beliefs)
- 6 hours in philosophy

A maximum of two hours may be counted through BIB 495 Special Study.

## BIBLICAL STUDIES: INTERDISCIPLINARY MAJOR

(B.A. Degree)

### Major Requirements

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in biblical studies, the other in any other major field. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the biblical studies block:

- 10 hours in biblical studies
- 8 hours in religion, including REL 380 Christian Beliefs
- 3 hours in philosophy
- CHM 360 Perspectives in Christian Education

## BIOLOGY

(B.S. Degree)

### Major Requirements

Requirements for the biology major consist of 34 semester hours in biology and 19 additional hours in chemistry and mathematics to include the following courses:

#### ♦ BIOLOGY

BIO 101, 102 General Biology  
 BIO 350 Genetics  
 BIO 360 Ecology  
 BIO 491, 492 Senior Seminar

Plus an additional 16 hours of upper-division biology courses.

An upper-division botany course is highly recommended.

#### ♦ CHEMISTRY

CHE 111, 112 General Chemistry  
 CHE 325 Organic Chemistry

Plus one of the following:

CHE 326 Organic Chemistry  
 CHE 310 Analytical Chemistry

#### ♦ MATHEMATICS

MTH 190 Pre-Calculus or above is required, with MTH 201, 202 Calculus I, II highly recommended.

#### ♦ PHYSICS

PHY 201, 202 General Physics is also recommended.

The chemistry, mathematics, and physics courses also fulfill up to 12 hours of the sciences requirement for general education.

A minimum grade of C- must be obtained in all biology and chemistry courses for graduation.

### Thesis Option

Students can petition the department thesis committee by the end of the fall semester of their junior year for permission to do original research as part of their degree requirement. Students allowed to pursue the thesis option must:

1. Complete an acceptable research proposal by the end of the spring semester of the junior year.
2. Sign up for at least one hour of Biological Research (BIO 495) each semester, beginning the spring semester of their junior year (up to a maximum total of four hours).
3. Complete a written thesis acceptable to the thesis committee by April 1 of their senior year.
4. Prepare a poster and give an oral presentation of their research.

The department considers this an honor to be noted on the student's transcript. The thesis is designed to enhance a student's preparation for graduate or professional school.



## Malheur Field Station

George Fox University is a member of the Malheur Field Station Consortium. Malheur Field Station (MFS) is located in the Great Basin Desert in Oregon and provides an excellent opportunity for students to study a variety of aquatic and terrestrial ecosystems. Students visit MFS as part of the requirements for BIO 360 Ecology and BIO 380 Ornithology. In addition, the facilities at MFS are available to students wishing to conduct suitable independent research.

## BUSINESS AND ECONOMICS

(B.A. or B.S. Degree)

See also the "Graduate Programs" section of the Catalog for requirements for the Master of Business Administration degree in management.

### Major Requirements

Requirements for a major in business and economics consist of three categories: specific general education courses, a common core, and a concentration in one of the six specialties offered. The major requirements included in the common core and the concentration total 42 semester hours, except for accounting, which totals 48 semester hours.

### General Education

General education requirements provide for a broad, essential base in the liberal arts. As detailed on pages 28 and 29, students have a variety of choices to make and should select specific courses in consultation with a faculty advisor. The one specific general education course required for students completing a major in the Department of Business and Economics is COM 100 Introduction to Communication.

### Common Core

All students majoring in business and economics are required to take the following common core of courses, totaling 27 semester hours:

- BUS 110 Introduction to Business
- BUS 240 Statistical Procedures in Business and Economics

- ECO 201, 202 Principles of Economics
- ACC 271, 272 Principles of Accounting
- BUS 300 Management
- BUS 340 Marketing
- BUS 360 Business Law

### Concentration

Each student is required to select one of the following specialties and to take all courses listed under that concentration:

#### ♦ ACCOUNTING

- ACC 273 Accounting Information Systems
- ACC 350 Principles of Taxation
- ACC 371, 372 Intermediate Accounting
- ACC 471 Advanced Accounting
- BUS 410 Financial Management
- ACC 472 Auditing

#### ♦ ECONOMICS

- ECO 330 Managerial Economics
- ECO 340 Public Economics
- ECO 350 International Trade and Finance
- ECO 360 Global Political Economy
- ECO 495 Special Study

#### ♦ MANAGEMENT

- BUS 250 Computer Applications
- ECO 330 Managerial Economics
- BUS 370 Organizational Behavior
- BUS 410 Financial Management
- BUS 490 Business Policy and Strategy

#### ♦ MARKETING

- BUS 250 Computer Applications
- ECO 330 Managerial Economics
- BUS 350 International Marketing
- BUS 420 Advertising and Promotion
- BUS 450 Marketing Research

#### ♦ INTERNATIONAL BUSINESS AND ECONOMICS

- INS 340 International Relations
- BUS 350 International Marketing
- ECO 350 International Trade and Finance
- ECO 360 Global Political Economy
- GED 375 Cultural Experience (minimum of 3 hours)

#### ♦ MANAGEMENT AND INFORMATION SCIENCE

- CIS 201 Introduction to Computer Science
- BUS 250 Computer Applications
- CIS 321 Software Engineering
- CIS 340 Database Systems
- CIS 350 Data Communications and Networks

## CHEMISTRY

(B.S. Degree)

### Major Requirements

Requirements for the chemistry major consist of 36 semester hours in chemistry and 19 additional hours in mathematics and physics to include the following courses:

♦ **CHEMISTRY**

- CHE 111 General Chemistry
- CHE 112 General Chemistry
- CHE 310 Analytical Chemistry
- CHE 325, 326 Organic Chemistry
- CHE 401, 402 Physical Chemistry
- CHE 410 Advanced Chemical Measurements

Plus an additional 6 hours of upper-division chemistry courses.

♦ **MATHEMATICS**

MTH 201, 202, 301 Calculus I, II, III are required.

♦ **PHYSICS**

PHY 201, 202 General Physics are required.

The mathematics and physics courses also fulfill up to 12 hours of the sciences requirement for general education.

A minimum grade of C- must be obtained in all chemistry courses for graduation.

**Thesis Option**

A student may choose to graduate with a “Chemistry Major with Thesis.” The student must enroll in Chemical Research and submit a research proposal, in conjunction with a chemistry faculty member, during his or her junior year. This is typically followed by a year of laboratory research in consultation with the faculty member.

**CHRISTIAN MINISTRIES**

(B.A. Degree)

**Major Requirements**

Requirements for a major in Christian ministries consist of 40 semester hours (exclusive of general education courses), with a 24-semester-hour core consisting of the following courses:

- REL 380 Christian Beliefs
- CHM 130 Christian Discipling
- CHM 310 Theological Foundations of Christian Ministry

CHM 360 Perspectives in Christian Education

- 8 hours of biblical studies
- 3 hours in philosophy

An additional 16 semester hours in one of four possible areas of special interest: youth ministry, missions, church recreation, or educational ministry. (See listing below.) A four-semester sequence in Christian ministries called “Shared Praxis” provides community building, personal reflection, and practice in ministry. (See descriptions of CHM 391, 392, 491, 492 Shared Praxis I-IV.)

A minimum of 18 hours shall be from upper-division courses. A limit of four hours of field experience can apply to the major.

♦ **YOUTH MINISTRY**

- CHM 330 Youth Leadership
- CHM 381 Counseling I
- HHP 380 Recreational Leadership *or* CHM 370 Camp Programming and Counseling
- PSY 311 Human Development: Infancy to Adolescence

♦ **MISSIONS**

- REL 330 Introduction to the World Christian Movement
- REL 360 Cross-cultural Christian Outreach
- REL 440 World Religions
- REL 460 Issues in Contemporary Missions
- CHM 475 Cross-cultural Field Experience

♦ **CHURCH RECREATION**

- CHM 370 Camp Programming and Counseling
- CHM 440 Camp Administration
- CHM 475 Field Experience in Church Recreation
- HEA 200 Lifestyle Management
- HHP 380 Recreational Leadership

♦ **EDUCATIONAL MINISTRY (SHARED PRAXIS)**

- CHM 391 Shared Praxis I: Introduction to Educational Ministry
- CHM 392 Shared Praxis II: The Christian Story and Vision

CHM 491 Shared Praxis III: Methods and Skills in Ministry

CHM 492 Shared Praxis IV: Supervised Field Experience

**CHRISTIAN MINISTRIES: INTERDISCIPLINARY MAJOR**

(B.A. Degree)

**Major Requirements**

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in Christian ministries, the other in any other major field. For the Christian ministries block, the student will select one of four tracks: youth ministry, missions, church recreation, or educational ministry (Shared Praxis). The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the Christian ministries block:

- 12 hours in Christian ministries, including CHM 130 Christian Discipling, and CHM 360 Perspectives in Christian Education
- 6 hours in biblical studies
- 3 hours in philosophy
- REL 380 Christian Beliefs

Also offered is an interdisciplinary block in the area of camping ministries. Details are available from the Department of Religious Studies Office.

**CHRISTIAN STUDIES**

(M.A. Degree)

See the “Graduate Programs” section of the Catalog for requirements for the M.A. in Christian Studies.

## CLINICAL PSYCHOLOGY

(M.A., Psy.D. Degrees)

See the “Graduate Programs” section of the Catalog for requirements for the M.A. and Psy.D. in clinical psychology.

## COMMUNICATION ARTS

(B.A. Degree)

### Major Requirements

Communication arts features an interdisciplinary approach to communication that integrates the interests of speech communication, drama, journalism and media with a common core of courses in communication and rhetorical theory.

Requirements for a communication arts major consist of 36 semester hours (exclusive of general education courses) distributed as follows:

### ♦ PERFORMANCE CORE COURSES

WRI 230 Introduction to Journalism  
COM 200 Persuasive Communication  
COM 210 Interpersonal Communication

### ♦ THEORY CORE COURSES

COM 300 Theoretical Approaches to Communication  
COM 400 Critical Approaches to Communication

### ♦ PRACTICUM

Three hours from COM 305 Professional Communication Activities, and/or COM 275/475

Field Experience (pass/no pass grading only).

### ♦ ELECTIVES

Eighteen additional hours from communication arts, communication/video production, and/or writing. Not more than three hours should be in practicum courses. (Students should choose their electives under the guidance of their advisors.)

## COMMUNICATION/ VIDEO PRODUCTION

(B.A. Degree)

### Major Requirements

The communication/video production major combines the liberal arts emphasis of communication arts with hands-on experiences in video production to create this broad but functional major. Extensive electives allow the student to design a program that fits needs or interests. The major consists of 36 required semester hours (exclusive of general education courses), distributed as follows:

### ♦ PRODUCTION CORE COURSES

CVP 230 Introduction to Television Production  
CVP 260 Television and Film Scriptwriting  
*or* CVP 320 Dramatic Scriptwriting  
CVP 350 Editing Video  
CVP 430 Producing and Directing Television

### ♦ THEORY CORE COURSES

COM 230 Mass Media and Popular Culture  
COM 300 Theoretical Approaches to Communication  
COM 330 Moving Image Criticism

### ♦ ELECTIVES

Ten hours from communication/video production, communication arts, writing, theatre, and/or other courses chosen with the approval of the student's advisor. Not more than three hours should be in practicum courses.

## COMPUTER AND INFORMATION SCIENCE

(B.S. Degree)

### Major Requirements

Students may choose between two tracks in computer and information science.

Descriptions and course requirements follow:

### ♦ COMPUTER SCIENCE TRACK

A major in the computer science track requires 39 semester hours of computer and information science and mathematics courses, to include the following:

CIS 201, 202 Introduction to Computer Science  
CIS 310 Data Structures and File Processing  
CIS 321 Software Engineering  
CIS 340 Database Systems  
CIS 410 Computer Organization and Assembly Language Programming  
CIS 420 Structures of Programming Languages  
CIS 460 Operating Systems  
MTH 360 Discrete Mathematics

Choose nine hours from the following:

CIS 300 Introduction to Numerical Computation  
CIS 330 Computer Graphics  
CIS 350 Data Communications and Networks  
CIS 470 Operations Research  
EGR 331 Logic Design

Choose two hours from the following:

- CIS 322 Systems Development Seminar
- CIS 475 Field Experience

In addition, mathematics through MTH 202 Calculus II is required. These courses may count for up to six hours of general education under sciences.

**◆ INFORMATION SCIENCE TRACK**

A major in the information science track requires 42 semester hours of computer and information science and business courses, to include the following:

- CIS 201, 202 Introduction to Computer Science
- CIS 310 Data Structures and File Processing
- CIS 321 Software Engineering
- CIS 340 Database Systems
- CIS 460 Operating Systems

Choose nine hours from the following:

- CIS 330 Computer Graphics
- CIS 350 Data Communications and Networks
- CIS 470 Operations Research
- CIS 410 Computer Organization and Assembly Language Programming
- CIS 420 Structures of Programming Languages
- EGR 331 Logic Design

Choose two hours from the following:

- CIS 322 Systems Development Seminar
- CIS 475 Field Experience

Required business courses:

- BUS 110 Introduction to Business
- BUS 250 Computer Applications
- BUS 300 Management
- ACC 271 Principles of Accounting

In addition, ECO 201 Principles of Economics is required. This course may count for three hours of general education under sciences.

**ECONOMICS**

See “Business and Economics.”

**EDUCATION**

See “Teacher Education” for requirements for the Bachelor of Arts and Bachelor of Science degree in elementary and secondary education. See the “Graduate Programs” section of the Catalog for requirements for the graduate programs in education (Master of Education) and teaching (Master of Arts in Teaching).

**ENGINEERING**

See “Applied Science.”

**ENGLISH AS A SECOND LANGUAGE**

The purpose of the English Language Institute is to develop the language and academic skills of students and to raise their level of cultural awareness in order to prepare them for academic and social success at George Fox University.

English as a Second Language, taught in the English Language Institute at George Fox University, prepares international students to meet the challenges of academic study in English.

International students who score less than 500 on the Test of English as a Foreign Language (TOEFL) study intensive English approximately 14 hours per week while they are also enrolled in one or two regular University courses.

To prepare international students to enter into academic life at George Fox University as full and successful participants, ELI courses develop the students’ general English proficiency, academic skills, and cultural and social awareness. Lower-level courses stress basic language skills, while higher-level courses concentrate increasingly on academic skills.

The core courses at each level develop speaking, listening, reading and writing skills, as well as vocabulary and grammar. Cultural orientation, interaction with native speakers in the University community, and attendance at campus functions and academic lectures are incorporated into ESL learning activities.

At the highest level, students enroll for credit in one regular academic course together with adjunct ESL courses that are designed to help develop the language and academic skills necessary for success. ELI students may take up to 20 hours a semester, with a maximum of four credits of non-ESL course work.

Upon successful completion of the program, students are admitted to George Fox University and awarded up to 15 semester hours of credit toward their degree.

## FAMILY AND CONSUMER SCIENCES

(B.S. Degree)

### Major Requirements

Students may choose among four tracks in family and consumer sciences. Descriptions and course requirements follow:

#### ♦ FOODS AND NUTRITION IN BUSINESS TRACK

Foods and nutrition in business is a multi-disciplinary major incorporating academic cores in consumer-oriented food science education, human nutrition, and business.

Course work in food composition and preparation, analysis of consumer trends, and recognition of global food issues prepares students as food professionals, while course work in human nutrition and contemporary nutrition issues equips them with the knowledge base necessary to work in areas of fitness management, diet analysis, and consumer nutrition education. The third core of course work serves as the medium for the utilization of this knowledge base, preparing students for careers in industries requiring the skills of food specialists, including new product development, test kitchens, recipe development, and food product promotion.

In the general education program, CHE 111 General Chemistry and ECO 201 Principles of Economics are required.

The following courses, totaling 44 semester hours, are required for a major in foods and nutrition in business:

|         |                              |
|---------|------------------------------|
| FCS 211 | Foods I                      |
| FCS 212 | Foods II                     |
| FCS 250 | Residential Equipment        |
| FCS 290 | Meal Management              |
| FCS 300 | Nutrition                    |
| FCS 310 | Food, Culture and Society    |
| FCS 340 | Current Trends in Foods      |
| FCS 350 | Resource Management          |
| FCS 360 | Consumer Buying              |
| FCS 430 | Nutrition and the Life Cycle |
| FCS 475 | Field Experience             |
| FCS 490 | Senior Seminar               |
| BUS 110 | Introduction to Business     |
| BUS 300 | Management                   |
| BUS 340 | Marketing                    |
| ACC 271 | Principles of Accounting     |

#### ♦ FASHION MERCHANDISING/ INTERIOR DESIGN TRACK

The fields of fashion merchandising and interior design share a common base of knowledge grounded in the academic fields of family and consumer sciences and business. A background in apparel construction and design, merchandising of fashion, and market analysis prepares students for careers in fashion merchandising.

Residential architecture, household equipment, and interior design classes prepare students for positions as interior designers. Career opportunities include merchandise buying, design display, entrepreneurship, apparel design, textile design, fashion analysis, interior design, housing and home planning, kitchen and bath design, equipment promotion demonstration, energy conservation management in the home, furniture sales, and business management and administration.

Fashion merchandising and interior design are prime users of advanced computer technology. Each freshman student at George Fox University is provided with a Macintosh computer, which allows proficiency in computer-assisted design in fashion, architecture, and interior design.

A field experience (internship) in the Portland metropolitan area puts students in the workplace before graduation, giving them valuable business experience. In merchandising, students may be placed with buyers in fashion retail firms. In interior design, internships will allow students to work with interior designers.

The following courses, totaling 44 semester hours, are required for a degree in fashion merchandising and interior design:

|         |                                     |
|---------|-------------------------------------|
| FCS 120 | Apparel Construction                |
| FCS 220 | Fashion and Society                 |
| FCS 230 | Textiles Science                    |
| FCS 250 | Residential Equipment               |
| FCS 320 | Fashion Merchandising               |
| FCS 330 | Residential Architecture            |
| FCS 350 | Resource Management                 |
| FCS 351 | Interior Design I                   |
| FCS 352 | Interior Design II                  |
| FCS 360 | Consumer Buying                     |
| FCS 370 | Pattern Drafting and Apparel Design |

- FCS 420 Fashion Retailing
- FCS 475 Field Experience
- FCS 490 Senior Seminar
- BUS 110 Introduction to Business
- BUS 300 Management
- or BUS 340 Marketing

**♦ COOPERATIVE 3-1 DEGREE PROGRAM TRACK WITH THE FASHION INSTITUTE OF DESIGN AND MERCHANDISING**

George Fox University offers a cooperative degree program with the Fashion Institute of Design and Merchandising in Los Angeles, California. This cooperative program provides for students to attend George Fox University for three years, which allows the completion of all general education classes, all elective classes, and 14 hours in the fashion merchandising/interior design major.

Students attend FIDM for either their junior or senior year to complete a specialized major. The broad spectrum of related courses at FIDM are more varied in content and specific in focus, which allows for the following specializations: interior design, merchandise development, merchandise management, and fashion design.

Graduates receive a Bachelor of Science degree in interior design, merchandise marketing, or fashion design from George Fox, and a Professional Certification from FIDM.

**♦ FAMILY AND CONSUMER SCIENCES TRACK**

Family and consumer sciences are grounded in the sciences and humanities. At the core is concern for the biological, social, aesthetic, physical, economical and psychological needs of each family member. Today's families must be able to manage relationships, services, goods and resources.

The family and consumer sciences major graduates with a Bachelor of Science degree. Graduates find employment in the traditional areas: home extension, food research, nutrition research, food service manage-

ment, child care, fashion design, homemaking, retail merchandising, dietetics, equipment sales, and journalism. They also find newer, nontraditional careers in these and other fields: debt counseling, energy conservation management, advertising, equipment promotion demonstration, and public relations.

The following courses, totaling 43 semester hours, are required for a degree in family and consumer sciences:

- FCS 120 Apparel Construction
- FCS 211 Foods I
- FCS 212 Foods II
- FCS 220 Fashion and Society
- FCS 230 Textiles Science
- FCS 250 Residential Equipment
- FCS 280 Marriage and the Family
- FCS 290 Meal Management
- FCS 300 Nutrition
- FCS 311 Human Development: Infancy to Adolescence
- FCS 320 Fashion Merchandising
- or FCS 370 Pattern Drafting and Apparel Design
- FCS 330 Residential Architecture
- FCS 350 Resource Management
- FCS 351 Interior Design I
- FCS 360 Consumer Buying
- FCS 490 Senior Seminar

**♦ FAMILY AND CONSUMER SCIENCES EDUCATION TRACK**

For family and consumer sciences teaching major requirements leading to certification to teach from kindergarten through high school (K-12), see the "Teacher Education" section of the catalog, page 52.

**HEALTH EDUCATION**

(B.S. Degree)

The health teaching major incorporates a wellness theme that emphasizes individual responsibility and promotes a positive lifestyle. Any health course (except HEA 310 School Health Program) will meet one hour of the health and human performance general education requirement.

**Major Requirements**

**♦ HEALTH EDUCATION/HUMAN PERFORMANCE TRACK**

- BIO 221 Human Anatomy
- BIO 222 Human Physiology
- HEA 200 Lifestyle Management
- HEA 210 Drug Education
- HEA 230 First Aid and Safety
- HEA 240 Stress Management
- HEA 280 Marriage and the Family
- HEA 300 Nutrition
- HEA 310 School Health Program
- HEA 320 Contemporary Health Issues
- HHP 200 History and Principles of Physical Education
- HHP 360 Organization and Administration of Health and Physical Education
- HHP 430 Exercise Physiology
- HHP 450 Kinesiology
- HHP 460 Physical Education for the Exceptional Student
- HHP 470 Motor Development and Motor Skill Learning

The health core also may be combined with family and consumer sciences or biology. See page 52.

**HISTORY**

(B.A. Degree)

**Major Requirements**

Requirements for a history major consist of 36 semester hours of history, with a minimum of 24 upper-division hours, to include the following courses:

- HST 101 Western Civilization to 1789
- HST 102 America and the World
- HST 490 History Seminar

## HUMAN PERFORMANCE

(B.S. Degree)

### General Education Requirements in Human Performance

Three semester hours of human performance are required to complete the University's general education requirement. Students may enroll in one limited-enrollment human performance activity course per semester and one unlimited-enrollment human performance activity course per semester. This requirement may be satisfied in the following ways:

1. Human performance activity or adapted activity classes. Limit of two semesters of any one activity.
2. Any health class (except HEA 310 School Health Program) will satisfy one hour of the requirement.
3. Up to two hours may be waived upon successful completion of proficiency tests in selected areas.

A current Red Cross Lifeguarding or Water Safety Instruction certificate will waive one hour without further examination.

4. Students must take two activity courses to meet the requirements.

5. Two credits toward the three-hour requirement may be earned on intercollegiate athletic teams. Only one credit in any one sport will count.
6. Any professional activity class meets one hour of the requirement. By permission only.
7. Military service may waive two semester credits.

### Major Requirements

#### ♦ ATHLETIC TRAINING MAJOR TRACK

Requirements for the athletic training major track in human performance include the following courses:

- HEA 200 Lifestyle Management
- HEA 210 Drug Education
- HEA 230 First Aid and Safety
- HEA 300 Nutrition
- HPA 135 Weight Training
- HHP 200 History and Principles of Physical Education
- HHP 228 Conditioning/Body Mechanics and Aerobics
- HHP 360 Organization and Administration of Health and Physical Education
- HHP 365 Current Issues in Athletic Training (2 semesters)
- HHP 375 Athletic Training Practicum (3 semesters)
- HHP 390 Care and Prevention of Athletic Injuries

- HHP 400 Recognition of Athletic Injuries
- HHP 410 Therapeutic Exercise and Modalities
- HHP 430 Exercise Physiology
- HHP 450 Kinesiology
- HHP 490 Senior Seminar
- BIO 221, 222 Human Anatomy and Physiology

Select two courses from

- HHP 460 Physical Education for the Exceptional Student
- HHP 470 Motor Development and Motor Skill Learning
- HHP 480 Tests and Measurements in Physical Education
- HEA 240 Stress Management
- PSY 150 General Psychology
- PSY 340 Statistical Procedures

#### ♦ PHYSICAL EDUCATION TEACHING MAJOR TRACK

Requirements for the K-12 teaching major track in human performance consist of 44 semester hours, 21 of which must be upper-division courses.

Courses selected to satisfy science general education requirements should include BIO 101, 102 General Biology. Either CHE 100 Chemistry of Life or CHE 110 Chemistry and Our Environment are recommended.

The core courses include the following:

- HEA 230 First Aid and Safety
- HHP 200 History and Principles of Physical Education
- HHP 360 Organization and Administration of Health and Physical Education
- HHP 390 Care and Prevention of Athletic Injuries
- HHP 430 Exercise Physiology
- HHP 450 Kinesiology
- HHP 460 Physical Education for the Exceptional Student
- HHP 470 Motor Development and Motor Skill Learning
- HHP 490 Senior Seminar
- BIO 221, 222 Human Anatomy and Physiology

Requirements for the K-12 teaching major track in human performance include the core courses listed above, plus the following:

- HHP 221-232 Professional activities courses
- HHP 300 Coaching Theory and Practice

Select a two-hour coaching course from

- HHP 310 Coaching Basketball,
- HHP 320 Coaching Baseball/Softball,
- HHP 330 Coaching Soccer,
- HHP 340 Coaching Track,
- or HHP 350 Coaching Volleyball
- HHP 480 Tests and Measurements in Physical Education
- EDU 410 Teaching Physical Education K-12

Each human performance major is required to prepare a thesis during the senior year. This may report original research or may consist of comprehensive library research.

**♦ FITNESS MANAGEMENT MAJOR TRACK**

Requirements for the fitness management major track in human performance include 30 hours in the core courses listed for the physical education teaching major track, plus 23 hours from the track requirements listed below. A total of 25 hours of upper-division courses are required.

- HEA 300 Nutrition

Select one from

- HHP 221 Basketball/Golf,
- HHP 222 Field Sports,
- or HHP 224 Softball/Track

- HHP 223 Tumbling/Gymnastics
- HHP 226 Tennis/Volleyball

- HHP 227A Aquatics: Lifeguarding
- or HHP 227B Aquatics: Water Safety Instruction

- HHP 228 Conditioning/Body Mechanics and Aerobics
- HHP 229 Folk and Western Dance
- HHP 231 Developmental Activities, Games, and Stunts

- HHP 232 Recreational Games, Badminton, and Archery
- HHP 380 Recreational Leadership
- HHP 475 Fitness Management Field Experience
- HHP 495 Special Study

Select two hours from

- HEA 240 Stress Management,
- HHP 400 Recognition of Athletic Injuries,
- or HHP 480 Tests and Measurements in Physical Education

**HUMAN PERFORMANCE: INTERDISCIPLINARY MAJOR**

(B.S. Degree)

**Major Requirements**

**♦ HUMAN PERFORMANCE WITH RELIGION EMPHASIS**

An interdisciplinary major may be elected through application and approval of the two departments. It consists of two 24-hour blocks, one in human performance, the other in religion or educational ministries. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the human performance block include the following:

- HEA 200 Lifestyle Management
- HEA 230 First Aid and Safety
- HEA 240 Stress Management
- HHP 227A Aquatics: Lifeguarding
- HHP 228 Conditioning/Body Mechanics and Aerobics
- HHP 229 Folk and Western Dance
- HHP 231 Developmental Activities, Games, and Stunts
- HHP 370 Camp Programming and Counseling
- HHP 380 Recreational Leadership
- HHP 440 Camp Administration

Five hours selected from any 200-or-above health education or human performance courses.

**INTERNATIONAL STUDIES**

(B.A. Degree)

**Major Requirements**

International studies is an interdisciplinary major designed to prepare students for work in such fields as foreign missions, international commerce, economic development, and government service. It also provides excellent preparation for graduate study in international relations and



diplomacy, missiology, and area studies.

The major includes a strong international field work emphasis. Students taking this major as preparation for foreign missionary service are encouraged to minor in biblical studies, Christian ministries, or religion.

Requirements for a major in international studies consist of 38 semester hours, to include the following courses:

- INS 310 Cultural Anthropology
- INS 330 Introduction to the World Christian Movement  
*or* REL 360 Cross-cultural Christian Outreach
- INS 340 International Relations
- INS 350 International Trade and Finance *or* ECO 360 Global Political Economy
- INS 440 World Religions
- INS 490 International Studies Senior Seminar

The second year of a modern foreign language

Eight hours of INS 475 Culture-Oriented Field Work

Two additional three-hour courses from the following:

- COM 300 Theoretical Approaches to Communication
- COM 340 General and Cultural Linguistics
- ECO 360 Global Political Economy
- HST 331 England to 1688
- HST 332 England Since 1688
- HST 350 Latin America
- HST 360 Modern Russia
- HST 370 Far East
- HST 421 Europe 1789-1890
- HST 422 Europe 1890-Present
- REL 360 Cross-cultural Christian Outreach
- REL 460 Issues in Contemporary Missions
- LIT 231 Masterpieces of World Literature, Western
- LIT 232 Masterpieces of World Literature, Non-Western
- PSC 250 International Conflict and Peace
- SOC 380 Ethnic Groups and Social Minorities
- FRE 495 Individual Research or Field Work (French)
- SPN 495 Individual Research or Field Work (Spanish)

### ♦ INTERNATIONAL STUDIES WITH RELIGION EMPHASIS

International studies is an interdisciplinary major designed to prepare students for foreign missionary service or for other international vocations.

Students taking this major as preparation for foreign missionary service are encouraged to take a minor in the Department of Religious Studies (in biblical studies, Christian ministries, or religion). This will also provide an appropriate base for graduate studies in missions and intercultural concerns. For details of curriculum and requirements, see the requirements for an international studies major.

## LEADERSHIP STUDIES

### ♦ LEADERSHIP STUDIES MINOR

The leadership studies minor is designed to help students develop their leadership skills through study and practice. Participants will learn important leadership concepts and theories and put these principles into action through hands-on leadership experiences. Prerequisites for entry into the program include sophomore standing and above, a 2.5 grade point average, and instructor approval.

The course of study and practice includes:

1. LDR 490 Leadership Seminar (four semesters, 1 hour per semester)
2. Either LDR 475 Leadership Experience or an approved alternative practicum.
3. One course taken from each of the following categories:
  - BUS 300 Management
  - PSC 410 Community Mediation
  - COM 324 Argumentation and Critical Thinking
  - PSY/SOC 350 Social Psychology
  - BUS 320 Human Resources Management
  - BUS 370 Organizational Behavior
  - COM 310 Conflict Resolution
  - PHL 230 Ethics
  - LIT 360 Values and Myths in Literature
  - REL 480 Spiritual Formation

Total program hours: 18-21. Courses cannot be counted toward both the student's major and this minor.

These courses also cannot count for the general education requirement of the University.

## MANAGEMENT

(M.B.A. Degree)

See "Graduate Programs" section of the Catalog for requirements for the Master of Business Administration degree in management.

## MANAGEMENT AND ORGANIZATIONAL LEADERSHIP

(B.A. Degree)

### MANAGEMENT OF HUMAN RESOURCES

(B.A. Degree)

The Department of Continuing Education offers two majors to adult students who are returning to college to complete their degrees.

The majors are unique alternatives to the traditional method of pursuing a college degree. The management and organizational leadership (MOL) and management of human resources (MHR) programs are designed specifically for working adults who attend classes conveniently located and coordinated with their schedules.

Students study with other adults who share similar interests and concerns. Together they form an academic support group, drawing from their own personal, professional and technical backgrounds as they follow an intense program of classes and individual study.

Students who successfully complete either of the 34-semester-hour programs and accompanying requirements are granted a Bachelor of Arts degree in management and organizational leadership or management of human resources. Applicants to the programs must have a minimum of 62 semester hours of transferable college credit from accredited institutions. General education requirements, totaling 35 semester credits (included as part of the 62 semester hours), should have been met upon entrance. Individuals with 90 or more semester hours of transferable credits are considered optimum candidates. Military credit, evaluated and assessed upon acceptance into either the MOL or MHR program, is officially awarded and transcribed upon the student's successful completion of the program.

Through these programs, the Department of Continuing Education serves the needs of adult learners and helps them assess personal values, develop interpersonal skills, and enhance competencies in order to influence the quality of work within their organizations.

### Credit For Life Learning

College-level learning occurs in many environments in addition to the traditional college classroom. Students in the MOL and MHR programs can earn college credit for such learning through developing and presenting a life-learning portfolio for credit evaluation. Students document their professional instruction and life-learning experiences for faculty evaluation.

A maximum of 30 semester hours may be earned through the life-learning portfolio process. Students who transfer more than 62 semester hours of acceptable credit are required to earn fewer credits through the portfolio process.

### Course Structure

The required 34-semester-hour curriculum includes 62 four-hour weekly evening class sessions held at selected locations in Portland, Salem and Eugene, Oregon, and Boise, Idaho. Courses are taught in seminar style. Students contribute life and organizational knowledge in a cooperative learning environment. Simulations, discussions and team projects are used to enhance learning. Out-of-class assignments include reading and writing on selected topics.

Students are required to plan, implement and report on an independent survey research project. The project examines an organizational problem in the student's occupation or environment. Results are published and presented at the conclusion of the program.

### Major Requirements

Thirty-four semester hours are required for the student to complete the MOL major, consisting of the following courses:

|          |   |
|----------|---|
| MOL 401  | Dynamics of Group and Organizational Behavior |
| MOL 402  | Effective Writing                             |
| MOL 403  | Organizational Theory and Analysis            |
| MOL 404  | Organizational Communication                  |
| MOL 405A | Introduction to Survey Research Methods       |
| MOL 405B | Survey Research Methods                       |
| MOL 406  | Principles of Management and Supervision      |
| MOL 407  | Christian Faith and Thought                   |
| MOL 409  | Values and Ethics in the Workplace            |
| MOL 410  | Fiscal and Operational Management             |
| MOL 485  | Saturday Seminars (6)                         |
| MOL 495  | Senior Research Project                       |

Thirty-four semester hours are required for the student to complete the MHR major, consisting of the following courses:

|          |   |
|----------|---|
| MHR 401  | Dynamics of Group and Organizational Behavior |
| MHR 402  | Effective Writing                             |
| MHR 403  | Organizational Theory and Analysis            |
| MHR 404  | Organizational Communication                  |
| MHR 405A | Introduction to Survey Research Methods       |
| MHR 405B | Survey Research Methods                       |
| MHR 406  | Principles of Management and Supervision      |
| MHR 407  | Christian Faith and Thought                   |
| MHR 408  | Human Resources Administration                |
| MHR 409  | Values and Ethics in the Workplace            |
| MHR 485  | Saturday Seminars (6)                         |
| MHR 495  | Senior Research Project                       |

## MATHEMATICS

(B.S. Degree)

### Major Requirements

Requirements for a mathematics major consist of 37 semester hours, to include the following courses:

MTH 201, 202, 301 Calculus I, II, III  
 MTH 320 Linear Algebra  
 MTH 490 Senior Seminar

Select 21 hours from the following:

MTH 290 Mathematical Logic  
 MTH 310 Differential Equations  
 MTH 330 Probability  
 MTH 340 Elementary Number Theory  
 MTH 350 Modern Geometry  
 MTH 360 Discrete Mathematics  
 MTH 410 Algebraic Structures  
 MTH 470 Operations Research  
 CIS 330 Computer Graphics

Also required are CIS 201 Introduction to Computer Science, and at least one of the following:

CIS 130 Programming the Personal Computer  
 CIS 202 Introduction to Computer Science  
 CIS/MTH 300 Introduction to Numerical Computation

## MUSIC

(B.A. Degree)

### Major Requirements

A total of 47 semester hours are required for a major in music. Core courses for the Bachelor of Arts degree in music include the following:

MUS 111, 112 Introduction to Music Literature  
 MUS 121, 122 Theory I  
 MUS 131, 132 Sight Singing and Ear Training  
 MUS 200 Basic Conducting  
*or* MUS 460 Advanced Conducting, with permission  
 MUS 221, 222 Theory II  
 MUS 311, 312 Music History  
 MUS 320 Form and Analysis  
 MUS 491 Senior Seminar  
 MUS 492 Recital/Lecture  
 MUA 105/305 Applied Music (eight semesters)  
 MUA 115-365 Ensembles

### ♦ SUPPORTIVE MUSIC STUDIES

Supportive music studies allow the student to choose an interest area with his or her advisor to pursue courses that supplement the student's interest in performance, composition, or sacred music. The Fine Arts Handbook at the Music Office serves as a guide for student and advisor.

Music majors must be enrolled in a major ensemble each semester except during supervised teaching. A solo recital (or achievement of upper-division standing and appropriate departmental recitals) is required of all music majors. The recital is given in the junior or senior year after the student has been granted upper-division standing and has passed a recital hearing given before the applied music faculty.

All music and music education majors also are required to pass a piano proficiency examination administered at the end of the sophomore year. Students are required to register for applied piano or class piano until the proficiency has been met. Music education majors will not be approved for teacher education nor will music majors be recommended for graduation until the proficiency has been passed.

Individual instruction is offered in piano, organ, strings, woodwinds, brass, percussion and guitar. Private lessons carry one semester of credit except for students desiring a performance emphasis, for whom two semester hours of credit are given. Music education and non-performance majors may petition for two hours of credit with a recommendation by their applied music teacher. Music majors are required to enroll in applied music lessons each semester. Music education majors are required to enroll in applied lessons until they have completed a half-recital or achieved upper-division standing in the major performing area.

All students enter the applied program at the 100-level. Before being advanced to upper-division study, the student must pass a faculty jury. All applied music students are expected to perform periodically in studio or public recital, but only students who have advanced to upper-division study levels will be permitted to present a half or full recital. These recitals may be given only by permission after the student has performed the recital repertoire in a faculty hearing.

## MUSIC: INTERDISCIPLINARY MAJOR

(B.A. Degree)

### Major Requirements

An interdisciplinary major may be elected through application and approval of the music faculty. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives. The interdisciplinary major consists of 48 semester hours, 24 in music and the remainder in another academic discipline. Many creative options are possible. Common majors include music and religion or music and Christian ministries.

Required music courses for an interdisciplinary major with religion include:

MUS 121, 122 Theory 1  
 MUS 200 Basic Conducting  
 MUS 220 Vocal Techniques  
 MUS 340 Church Music  
 (History and Administration)  
 MUS 491, 492 Senior Seminar,  
 Recital/Lecture

- A major ensemble (four semesters)
- Applied lessons (two semesters)
- Music electives

## PEACE AND CONFLICT STUDIES

### Peace Studies Minor

Students at George Fox University may earn a minor in peace studies by taking elective courses from the departments of history and political science, communication arts, and religious studies. For more information, students should see their advisor or the Registrar.

### ♦ PROGRAM IN CONFLICT MANAGEMENT

The Center for Peace Learning coordinates a special course of study in conflict management designed to give students concentrated preparation for practical peacemaking in their work, church, community and family. Students will study the theory of communication and conflict resolution, be introduced to relevant skills, and equip themselves to apply this learning in a variety of action settings.

The course of study includes five components:

1. Either COM 200 Persuasive Communication,  
or COM 210 Interpersonal Communication
2. Either PSY/SOC 300 Group Dynamics,  
or PSY/SWK/CHM 380 Counseling,  
or BUS 370 Organizational Behavior
3. COM/PSC 310 Conflict Resolution
4. PSC 410 Community Mediation
5. Field experience in a conflict resolution or mediation program or agency, to be tailored to the individual student's needs (taken after PSC 410 or concurrently with it).

Each of the five elements equals three semester hours of credit, for 15 hours altogether. These may be credits applied also toward general education, major, or minor requirements. Successful students will receive a certificate of completion upon graduation.

## PSYCHOLOGY

(B.A. or B.S. Degree)

See also the "Graduate Programs" section of the Catalog for the requirements for the M.A. and Psy.D. in clinical psychology.

### Major Requirements

The key objective of the psychology major is to acquaint students with the field of psychology and the implications of its principles for human behavior.

Requirements for a major in psychology consist of a minimum of 39 semester hours, including the following courses:

PSY 150 General Psychology  
 PSY 340 Statistical Procedures  
 PSY 390 Research Methods  
 PSY 400 Psychometrics  
 PSY 450 Systems of Psychology  
 PSY 490 Senior Seminar

Students must also choose two laboratory courses and 15 hours of psychology survey courses.

## RELIGION

(B.A. Degree)

See also the “Graduate Programs” section of the Catalog for requirements for the Master of Arts in Christian Studies degree.

### Major Requirements

Requirements for a major in religion include 40 semester hours (exclusive of general education courses), elected from the fields in the department as follows:

- 8 hours in biblical studies
- 6 hours in Christian ministries, including CHM 360 Perspectives in Christian Education
- 10 hours in religion, including REL 380 Christian Beliefs, and REL 401, 402 Christianity in History
- 6 hours in philosophy

A minimum of 18 hours shall be from upper-division courses. A limit of three hours of field experience can apply to the major.

## RELIGION: INTERDISCIPLINARY MAJOR

(B.A. Degree)

An interdisciplinary major may be elected through application and approval of the department. It consists of two 24-hour blocks, one in religion, the other in any other major field. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives.

Requirements for the religion block:

- 10 hours in religion, including REL 380 Christian Beliefs
- 8 hours in biblical studies
- 3 hours in philosophy
- CHM 360 Perspectives in Christian Education

## SOCIOLOGY/SOCIAL WORK

(B.A. or B.S. Degree)

The Department of Sociology/Social Work offers a Bachelor of Arts degree or a Bachelor of Science degree. The student may emphasize either sociology or social work.

Alumni of this department hold positions in adult and child welfare, juvenile and adult probation and parole, medical and mental health facilities, social programs for older adults (institutional and community), various youth and recreational positions (private, public, and church-related), and various other services within counseling and treatment settings. Eventual positions could include supervision, administration, education, private practice, and program development. Many alumni have entered graduate programs, completing the M.S.W. in social work, the M.A. in sociology, the M.B.A. in business, the J.D. in law, and various seminary degrees related to full-time ministry.

The department has two major academic emphases: Sociology is the study of complex and changing social relationships. The sociology program prepares students to (1) analyze human relationships from a sociological perspective, (2) develop the theoretical, technical and statistical skills necessary for asking and answering sociological questions, and (3) enhance awareness of relationships between personal events and the structure of societies. The program is designed to prepare students for admission into graduate programs, careers in higher education or research, and/or entry-level practice positions within a variety of private and public settings where knowledge of human relationships and methodological skills is helpful.

The social work program seeks to prepare students for beginning generalist professional social work practice with diverse populations in a variety of settings, including, but not limited to, individuals, couples, families, small groups, community and church organizations, and government agencies.

Generalist practice values the uniqueness, dignity and needs of all people. Generalist practice emphasizes a working knowledge of micro-, mezzo-, and macro-level systems as targets of change. Generalist practice is oriented toward analyzing and addressing problems from a wide range of perspectives and skills.

The program courses are designed to include academic social work and field experience requirements within a liberal arts context. This enables the student to link social research with social work practice. The program prepares students to work in a variety of social work and social welfare settings, as well as to seek admission into graduate programs. The current social work program has not yet been approved by the Council on Social Work Education (CSWE).

All students interested in social work as a major must make formal application to the program. Each applicant must:

1. Agree to comply with the University's Code of Conduct (found in the Student Handbook).
2. Satisfactorily complete 48 semester hours prior to filing an application to the program.
3. Satisfactorily complete the following pre-entry courses (included within the required 48 semester hours under No. 2 above): PSY 150, SOC 150, SWK 180.
4. Complete a written Program Application, which must be submitted to the program on or before January 30.
5. Receive written acceptance into the program from the Program Admission Committee.
6. File a Declaration of Major form with the University's Registrar's Office.

## Major Requirements

Courses within the sociology and social work specialties:

### ♦ CORE CLASSES

(12 hours required)

- SOC 200 Social Problems
- SOC 260 Social Theory
- SOC 340 Statistical Procedures
- SOC 490 Senior Research Seminar

Select one of the following emphases:

### ♦ SOCIAL WORK

(27 hours required)

- SWK 180 Social Work Introduction
- SWK 360 Social Policy I
- SWK 381 Counseling I
- SWK 391 Social Work Methods I
- SWK 392 Social Work Methods II
- SWK 275/475 Field Experience (nine credit hours and 450 clock hours)
- SWK 490 Senior Seminar

### ♦ SOCIOLOGY

(15 hours required)

- SOC 300 Group Dynamics
- or* SOC 350 Social Psychology
- SOC 310 Cultural Anthropology
- or* SOC 380 Ethnic Groups and Social Minorities
- SOC 410 Juvenile Delinquency
- or* SOC 450 Gerontology
- SOC 275/475 Field Experience (six hours)

PSY 150 General Psychology and BIO 100 Foundations of Biology are recommended as part of the general education program.

Specific graduation requirements for each program may be obtained upon request from the Department of Sociology/Social Work.

## SPANISH

(B.A. Degree)

The Spanish major is designed to help students function adequately in their chosen field of work at home or overseas through proficiency in Spanish. The program emphasizes the unique relationship between culture and language, the acquisition of analytical skills, familiarity with historically important works of literature, and writing skills. To complete the course of study, students will spend a minimum of one semester studying abroad.

## Major Requirements

Prerequisite for entry into the major: SPN 201, 202 or equivalent.

Requirements for a major in Spanish consist of a minimum of 36 hours, to include the following courses:

- SPN 301, 302 Spanish Composition and Conversation
- SPN 311, 312 Spanish and Latin American Survey of Literature
- SPN 351, 352 Spanish and Latin American Culture and Civilization
- SPN 490 Study Abroad

## TEACHER EDUCATION

See also the "Graduate Programs" section of the Catalog for requirements for the graduate programs in education (Master of Education) and teaching (Master of Arts in Teaching).

### Policies and Procedures

The teacher education program at George Fox University is designed to prepare teachers for the public and private schools through a curriculum that pyramids from a broad foundation in Christian liberal arts education through specialization in a particular field of knowledge to clinical studies in teaching and learning theory.

Teacher education and certification in Oregon operate under the approved program approach. Teaching licenses are issued to qualified applicants who have completed a teacher education program approved by the Oregon Teacher Standards and Practices Commission and who are able to satisfy other state requirements in effect at the time they complete graduation requirements and apply for license.

George Fox University is approved by the Teacher Standards and Practices Commission to offer basic licensure programs in the following:

- Advanced Mathematics
- Biology
- Chemistry
- Elementary Education
- Health
- Family and Consumer Sciences
- Language Arts
- Music
- Physical Education
- Social Studies
- Spanish

Academic preparation for additional teaching endorsements is available in the following subjects:

- Basic Mathematics
- Drama
- Reading
- Speech

Students seeking license in a teaching minor must also complete a specified teaching major.

The above programs may all be completed in four years. Upon completion of the program and satisfaction of all requirements in effect, students receive an Oregon Basic Teaching License.

### Admission to Teacher Education

Students wishing to explore or prepare for entering a teaching career should consult with a teacher education advisor early in their freshman year.

Students make formal application for admission to the teacher education program during the introductory education class, GED 240 Perspectives in Education, generally taken fall of the sophomore year for elementary education majors and fall of the junior year for secondary teaching majors.

Admission to the program is based upon attainment of a cumulative GPA of 2.75 or better on all college-level courses, including transfer credits; passing scores on approved basic skills tests; acceptable faculty recommendations; satisfactory physical and mental health; and exemplary social and moral behavior. Admission to the program is expected before students may register for the professional education core courses.

Continuation in teacher education is based on academic achievement and satisfactory evidence of good moral character and the mental, emotional, and physical health needed for successful performance in the teaching profession. Students admitted to the program are expected to maintain a cumulative GPA of 2.75 or better on all college-level classes, including transfer credits; attain grades of "C" or better on all teaching major and professional education classes; and receive satisfactory evaluations of performance in field experiences. Admitted students are subject to the policies contained in the Teacher Education Handbook purchased when they take GED 240 Perspectives in Education.

### Transfer Students in Education

Any student transferring to George Fox University must meet the same requirements for admission as those who have entered the University as incoming freshmen. Admission to the University does not guarantee admission to the teacher education program. This application must be directed to the Department of Teacher Education when the student is in his/her first professional course.

A minimum of 30 semester hours must be taken at George Fox University for either the elementary or secondary teaching major.

Elementary education majors must complete the following courses at George Fox University:

- EDU 311 and 312 Mathematics for Elementary Teachers
- EDU 370 Integrated Methods: Music and Art
- EDU 375 Student Teaching I
- EDU 380 Integrated Methods: Science and Social Studies
- EDU 401 Integrated Methods: Literature and Language
- EDU 402 Integrated Methods: Literature and Literacy
- EDU 475 Student Teaching II
- EDU 490 Senior Seminar

For secondary teaching majors, work at George Fox must include the following courses:

- EDU 340 Integrated Methods: Reading and Writing Across the Curriculum
- EDU 375 Student Teaching I
- EDU 390 Integrated Methods for Secondary Teachers
- EDU 475 Student Teaching II

A student transferring from a nonaccredited college will be granted conditional admission to the program until the student demonstrates ability by completing 12 semester hours in the student's first teaching field and/or professional education with a grade point average (GPA) of 2.75 or better.

## Special Students: Teaching Credential Only

Students holding college degrees who enroll at George Fox University for the purpose of qualifying for an Oregon Basic Teaching Certificate must be advised by the Director of Undergraduate Teacher Education prior to enrollment in courses.

## Admission to Student Teaching

Acceptance into the teacher education program does not guarantee assignment for student teaching.

Application for admission to student teaching is made by filing required forms not later than the first week of the semester preceding the semester for which the assignment is requested. Admission to student teaching is based upon continued good standing; favorable recommendations; an attained cumulative GPA of 2.75 or better on all college-level courses, including transfer credits, and an average GPA of 2.75 or better in the teaching major; completion of the required teaching major and professional courses with no grade below "C"; passing scores on appropriate basic skills and content area examinations; and a minimum of 15 semester hours completed in residence prior to student teaching.

## Planning the Program

Students should plan to finish their general education requirements and some of their lower-level teaching major requirements during their first two years of college. Professional courses in education and the advanced teaching major course requirements should be completed during the last two years. Certain of these courses, listed under "Transfer Students in Education," must be taken in residence, and professional education courses must be taken before student teaching.

The Oregon Teacher Standards and Practices Commission requires that candidates for teaching licenses have passed certain standardized tests. These are taken by students in conjunction with their professional courses. Students must complete the bachelor's degree and meet all state requirements before being recommended for teaching licensure.

## Waiver of Requirements

Students enrolled in the teacher education program who believe they have had experience or education that has provided the competencies certain courses and experiences in the program are designed to develop may request a waiver of that portion of the requirements. Waivers may be granted in writing by the Director of Undergraduate Teacher Education on the basis of satisfactory evidence submitted by the student through one or more of these means:

1. Examination and/or demonstration of competence. The student may demonstrate competence in written or verbal ways or in the execution of specific tasks.
2. Experience. The student may request that recent directly related experiences be accepted in satisfaction for course work or field experience. The student is required to submit documentation to support this request.
3. The student may request evaluation of other academic work completed satisfactorily to be granted equivalent credit.

## ELEMENTARY EDUCATION

(B.S. Degree)

The University offers a degree program for the preparation of elementary school teachers. Upon entering, students interested in majoring in elementary education should contact an elementary education advisor. In addition to general education courses and electives, the elementary education major requires the following courses:

### Major Requirements

Requirements for a Bachelor of Science degree in elementary education include the following courses:

- EDU 311, 312 Mathematics for Elementary Teachers
- EDU 331 Psychological Foundations: Inclusion and Assessment
- EDU 332 Psychological Foundations: Learning Theory and Classroom Management
- EDU 370 Integrated Methods: Music and Art
- EDU 375 Student Teaching I
- EDU 380 Integrated Methods: Science and Social Studies
- EDU 401 Integrated Methods: Literature and Language
- EDU 402 Integrated Methods: Literature and Literacy
- EDU 475 Student Teaching II
- EDU 490 Senior Seminar
- GED 240 Perspectives in Education
- GEO 200 Cultural Geography and Global Relationships
- HEA 310 School Health Program
- PSY 311 Human Development: Infancy to Adolescence
- HHP 231 Developmental Activities, Games, and Stunts

### ♦ ELEMENTARY WITH EARLY CHILDHOOD TRACK

All of the above plus

- EDU 321 Early Childhood Education
- EDU 322 Early Childhood Methods

### ♦ ELEMENTARY WITH MIDDLE LEVEL TRACK

All of the above plus

- EDU 351 Middle Level Education



EDU 352 Middle Level Methods

## SECONDARY EDUCATION

(B.A. or B.S. Degree)

The University offers a degree program for the preparation of secondary teachers in 10 content areas. Upon entering, students interested in any of the secondary education majors should contact a secondary education advisor.

### Secondary Teaching Majors

All prospective teachers in secondary education must complete the following courses, seminars and clinical experiences in addition to those required for general education and an approved teaching major:

- PSY 311 Human Development: Infancy to Adolescence
- GED 240 Perspectives in Education
- EDU 331 Psychological Foundations: Inclusion and Assessment
- EDU 332 Psychological Foundations: Learning Theory and Classroom Management
- EDU 340 Integrated Methods: Reading and Writing across the Curriculum

- EDU 375 Student Teaching I
- EDU 390 Integrated Methods for Secondary Teachers
- EDU 475 Student Teaching II

## BIOLOGY TEACHING

(B.S. Degree)

### Major Requirements

The following 44-45 semester hours are required:

- BIO 101, 102 General Biology
- BIO 300 Evolution
- BIO 310 Developmental Biology
- BIO 330 Animal Physiology
- or BIO 340 Plant Physiology
- BIO 350 Genetics
- BIO 360 Ecology
- BIO 370 Microbiology
- BIO 491, 492 Senior Seminar
- CHE 111, 112 General Chemistry
- CHE 325 Organic Chemistry

One elective course in the major

Note: In addition to these requirements, the general education component includes MTH 180 College Algebra and Trigonometry, GSC 120 Foundations of Earth Science, PSY 150 General Psychology, and SOC 150 Principles of Sociology.

## CHEMISTRY TEACHING

(B.S. Degree)

### Major Requirements

The following 42 semester hours are required:

- CHE 111, 112 General Chemistry
- CHE 310 Analytical Chemistry
- CHE 325, 326 Organic Chemistry
- CHE 401 Physical Chemistry
- PHY 201, 202 General Physics
- MTH 201, 202 Calculus I, II

One elective course in the major

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology and SOC 150 Principles of Sociology.

## FAMILY AND CONSUMER SCIENCES TEACHING

(B.S. Degree)

### Major Requirements

The following 44 semester hours are required:

- FCS 120 Apparel Construction
- FCS 211, 212 Foods I, II
- FCS 220 Fashion Merchandising
- FCS 230 Textiles Science
- FCS 250 Residential Equipment
- FCS 280 Marriage and the Family
- FCS 290 Meal Management
- FCS 300 Nutrition
- FCS 330 Residential Architecture
- FCS 350 Resource Management
- FCS 351 Interior Design I
- FCS 360 Consumer Buying
- FCS 370 Pattern Drafting and Apparel Design
- or FCS 320 Fashion Merchandising
- FCS 410 Leadership of Student Organizations
- FCS 440 Early Childhood Education Practicum
- EDU 470 Teaching of Family and Consumer Sciences

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology, and SOC 150 Principles of Sociology.

## HEALTH EDUCATION TEACHING

(B.S. Degree)

### Major Requirements

The following 30 semester hours are required:

- HEA 200 Lifestyle Management
- HEA 210 Drug Education
- HEA 230 First Aid and Safety
- HEA 240 Stress Management
- HEA 280 Marriage and the Family
- HEA 300 Nutrition
- HEA 310 School Health Program
- HEA 320 Contemporary Health Issues
- BIO 221, 222 Human Anatomy and Physiology

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology, and SOC 150 Principles of Sociology.

The health teaching major is combined with 13 to 19 semester hours in the student's choice of one of the following tracks:

♦ **BIOLOGY TRACK**

- BIO 101, 102 General Biology
- BIO 350 Genetics
- BIO 360 Ecology
- BIO 370 Microbiology

♦ **FAMILY AND CONSUMER SCIENCES TRACK**

- FCS 120 Apparel Construction
- FCS 211, 212 Foods I, II
- FCS 220 Fashion and Society
- FCS 440 Early Childhood Education Practicum

♦ **PHYSICAL EDUCATION TRACK**

- HHP 200 History and Principles of Physical Education
- HHP 360 Organization and Administration of Health and Physical Education
- HHP 430 Exercise Physiology
- HHP 450 Kinesiology
- HHP 460 Physical Education for the Exceptional Student
- HHP 470 Motor Development and Motor Skill Learning

Two hours from professional activities courses:

- HHP 221-229, HHP 231-232

**LANGUAGE ARTS TEACHING**

(B.A. Degree)

**Major Requirements**

The following 44 semester hours are required:

♦ **COMMUNICATION ARTS**

- THE 120 Introduction to Acting or THE 220 Oral Interpretation of Literature
- THE 360 Improvisational Theatre Workshop
- COM 230 Mass Media and Popular Culture
- COM 340 General and Cultural Linguistics

♦ **LITERATURE**

- LIT 231, 232 Masterpieces of World Literature
- LIT 331, 332 American Literature
- LIT 350 Literary Criticism
- LIT 431, 432 English Literature

♦ **WRITING**

- WRI 200 Interpreting Literature

Two courses from the following:

- WRI 230 Introduction to Journalism
- WRI 250 Biography and Autobiography
- WRI 330 Writing for Publication
- WRI 350 Creative Writing

One elective course in the major

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology, and SOC 150 Principles of Sociology.

**MATHEMATICS TEACHING**

(B.S. Degree)

**Major Requirements**

The following 42 semester hours are required:

- MTH 201, 202, 301 Calculus I, II, III
- MTH 212 Innovations in Teaching Basic Mathematics
- MTH 240 Statistical Procedures
- MTH 290 Mathematical Logic
- MTH 320 Linear Algebra
- MTH 330 Probability
- MTH 340 Elementary Number Theory
- MTH 350 Modern Geometry
- MTH 410 Algebraic Structures
- CIS 130 Programming the Personal Computer
- PHY 201 General Physics

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology, and SOC 150 Principles of Sociology.

**MUSIC TEACHING**

(B.A. Degree)

**Major Requirements**

The following 47 to 49 semester hours are required:

- MUA 105/305 Applied Music (5 to 7 semesters)
- MUA \_\_\_\_ Ensemble (7 semesters)
- MUS 111 Introduction to Music Literature
- MUS 112 Introduction to Music Literature
- MUS 121, 122 Theory I
- MUS 131, 132 Sight Singing and Ear Training
- MUS 200 Basic Conducting
- MUS 220 Vocal Techniques
- MUS 221, 222 Theory II
- MUS 230 String Techniques
- MUS 260 Band Techniques
- MUS 311, 312 Music History
- MUS 430 Instrumentation and Orchestration
- MUS 460 Advanced Conducting
- EDU 421 Elementary School Music Methods
- EDU 422 Secondary School Music Methods: Vocal
- EDU 423 Secondary School Music Methods: Instrumental

Note: In addition to these requirements, the general education component includes PSY 150 General Psychology, and SOC 150 Principles of Sociology.

Note: Students with an emphasis in music education are required to pass a piano proficiency examination by the end of their sophomore year and to present a solo recital in their junior or senior year. See music "Major Requirements" statement on page 46 for further details.

**PHYSICAL EDUCATION TEACHING**

(B.S. Degree)

**Major Requirements**

The following 44 semester hours are required:

- HHP 200 History and Principles of Physical Education
- HHP 221-224, 226-229, 231, 232 Professional Activities
- HEA 230 First Aid and Safety
- HHP 300 Coaching Theory and Practice
- HHP 310, 320, 330, 340, or 350 (One coaching course)
- HHP 360 Organization and Administration of Health and Physical Education
- HHP 390 Care and Prevention of Athletic Injuries
- HHP 430 Exercise Physiology
- HHP 450 Kinesiology
- HHP 460 Physical Education for the Exceptional Student
- HHP 470 Motor Development and Motor Skill Learning
- HHP 480 Tests and Measurements in Physical Education
- HHP 490 Senior Seminar
- BIO 221, 222 Human Anatomy and Physiology

Note: In addition to these requirements, the general education component includes MTH 240 Statistical Procedures, PSY 150 General Psychology, and SOC 150 Principles of Sociology.

**SOCIAL STUDIES TEACHING**

(B.S. Degree)

**Major Requirements**

The following 45 semester hours are required:

- HST 490 History Seminar
- World History (non-U.S.)  
2 upper-division courses
- U.S. History
- HST 102 America and the World
- Two out of the following:  
HST 340 American Economic and Social History
- HST 481 American Thought and Culture to 1865
- HST 482 American Thought and Culture Since 1865

♦ **GEOGRAPHY**

- GEO 200 Cultural Geography and Global Relationships

♦ **ECONOMICS**

- ECO 201 Principles of Economics
- ECO 360 Global Political Economy

♦ **GOVERNMENT**

- PSC 210 American Government
- One additional course from
- PSC 240 State and Local Government (recommended)
- PSC 260 Introduction to Law

♦ **SOCIOLOGY**

- SOC 200 Social Problems
- SOC 310 Cultural Anthropology

♦ **ELECTIVES:**

- Two courses selected from
- HST 380 The African-American Experience in the United States
- HST 430 Vietnam Experience

- PSC 250 International Conflict and Peace
- PSC 310 Conflict Resolution
- PSC 340 International Relations
- PSC 220/420 War and Conscience in the United States
- PSY 350 Social Psychology
- PSY 360 Learning
- SOC 330 Urban Problems
- SOC 380 Ethnic Groups and Social Minorities
- SOC 410 Juvenile Delinquency
- GED 375 Cultural Experience

Note: In addition to these requirements, the general education component includes HST 101 Western Civilization to 1789, PSY 150 General Psychology, and SOC 150 Principles of Sociology. ECO 201 Principles of Economics will not fulfill the general education requirement under social science for social studies teaching majors.

**SPANISH TEACHING**

(B.A. Degree)

**Major Requirements**

The following 33 semester hours are required:

- SPN 301, 302 Spanish Composition and Conversation
- SPN 311, 312 Spanish and Latin American Survey of Literature
- SPN 351, 352<sup>1</sup> Spanish and Latin American Culture and Civilization

16-18 semester hours in a study abroad program approved by a Spanish advisor<sup>2</sup>

<sup>1</sup> Students may select three of the four courses, SPN 311, 312, 351 or 352.

<sup>2</sup> Students taking only 16 hours abroad would take SPN 475 for two credits.

Plus the courses required of all secondary education majors:

- GED 240 Perspectives in Education
- PSY 311 Human Development
- EDU 331 Psychological Foundations: Inclusion and Assessment
- EDU 332 Psychological Foundations: Learning Theory and Classroom Management

- EDU 340 Integrated Methods:  
Reading and Writing Across  
the Curriculum  
EDU 375 Student Teaching I  
EDU 390 Integrated Methods for  
Secondary Teachers\*  
EDU 475 Student Teaching II

\* One hour of this course will be taught by Spanish faculty to address the specific Spanish teaching methodologies.

## TEACHING MINORS

### ♦ DRAMA TEACHING

#### Minor Requirements

The following 16 semester hours are required:

- THE 120 Introduction to Acting  
THE 240 Understanding Drama  
THE 255/455 Technical Theatre  
THE 320 Advanced Approaches  
to Acting

Four hours of electives chosen from:

- THE 125/325 Theatre Laboratory  
THE 160/360 Improvisational Theatre  
Workshop  
THE 165/365 Drama Touring Troupe  
THE 340 Theatre as Ministry  
THE 495 Individual Research in  
the Theatre

### ♦ MATHEMATICS TEACHING

(Certifies to teach up to and including Algebra I)

#### Minor Requirements

The following 15 to 16 semester hours are required:

- MTH 180 College Algebra and  
Trigonometry  
MTH 190 Calculus for Teachers  
*or* MTH 201 Calculus I  
MTH 211, 212 Innovations in Teaching  
Basic Mathematics  
CIS 130 Programming the Personal  
Computer

### ♦ SPEECH TEACHING

#### Minor Requirements

The following 16 semester hours are required:

- COM 100 Introduction to  
Communication  
COM 200 Persuasive Communication  
COM 210 Interpersonal  
Communication  
Four hours in COM 275/475 Field  
Experience  
*or* COM 495 On Your Own:  
Individual Research  
THE 220 Oral Interpretation of  
Literature

## TEACHING

(M.A.T. Degree)

A fifth-year program developed by George Fox University and approved by the Teachers Standards and Practices Commission in 1992 enables students to choose to seek teacher license through a Master of Arts in Teaching graduate program. See "Graduate Studies" section of the Catalog for requirements.

## THEATRE

The drama endorsement is listed with the teaching endorsement in the Department of Teacher Education.

## COMMUNICATION ARTS MAJOR WITH A THEATRE EMPHASIS

(B.A. Degree)

### Major Requirements

A communication arts major with a theatre emphasis requires 36 semester hours (exclusive of general education courses) distributed as follows:

### ♦ PERFORMANCE AND TECHNICAL CORE COURSES

- THE 120 Introduction to Acting  
THE 160 Improvisational Theatre  
Workshop  
THE 220 Oral Interpretation of  
Literature  
THE 255/455 Technical Theatre  
THE 320 Advanced Approaches  
to Acting

♦ **THEORY CORE COURSES**

- THE 240 Understanding Drama
- LIT 385 Major Authors
- COM 300 Theoretical Approaches to Communication
- THE 340 Theatre as Ministry
- COM 400 Critical Approaches to Communication

♦ **PRACTICUM**

Seven hours from THE 125/325 Theatre Laboratory, THE 165/365 George Fox Players, or THE 275/475 Field Experience.

♦ **RECOMMENDED**

- CVP 320 Dramatic Scriptwriting
- CVP 350 Editing Video
- CVP 430 Producing and Directing Television

If possible, majors should satisfy their physical education requirement with HPA 107 Ballet, HHP 223 Tumbling/Gymnastics, HHP 229 Folk and Western Dance, and similar offerings.

**THEATRE:  
INTERDISCIPLINARY  
MAJOR**

(B.A. Degree)

**Major Requirements**

An interdisciplinary major may be elected through application and approval of the Communication Arts Department and theatre faculty. The student application must show how the proposed interdisciplinary major meets reasonable academic and vocational objectives. The interdisciplinary major consists of 48 semester hours, 24 in theatre arts and the remainder in another academic discipline. Creative options include theatre and music, theatre and religion, theatre and Christian ministries, theatre and video production, theatre and business (marketing/management), or theatre and sociology.

**WRITING/LITERATURE**

(B.A. Degree)

**Major Requirements**

The department offers a writing/literature major that creatively combines both disciplines. Students whose major interest is in literature will take their electives from the literature curriculum. The major consists of 36 semester hours (not including writing and literature courses taken to fulfill general education requirements) distributed as follows:

♦ **LITERATURE CORE**

- LIT 350 Literary Criticism (3 hours)

Two of the following three courses (6 hours):

- LIT 240 Understanding Drama
- LIT 340 Poetry
- LIT 440 Novel

Two of the following three sequences (12 hours):

- LIT 231, 232 Masterpieces of World Literature
- LIT 331, 332 American Literature
- LIT 431, 432 English Literature

♦ **WRITING CORE**

- WRI 230 Introduction to Journalism (3 hours)

One of the following two courses (3 hours):

- WRI 330 Writing for Publication
- WRI 350 Creative Writing

♦ **ELECTIVES**

Nine hours in literature or writing, including CVP 320 Dramatic Scriptwriting.



*Courses are listed alphabetically by course prefix.*

## ACCOUNTING

*Additional courses are listed under Business and Economics.*

### **ACC 271, 272 Principles of Accounting**

3 hours each semester. An introduction to accounting from a user perspective. The first semester will emphasize financial accounting. The second semester will continue consideration of financial accounting and also present topics in cost and managerial accounting. The mechanics of accounting will be covered on a limited basis in both semesters; however, the primary focus will be upon application accounting for managers. Prerequisite: BUS 110 Introduction to Business.

### **ACC 273 Accounting Information Systems**

2 hours. This course will emphasize the mechanical aspects of accounting and will cover both manual and computerized accounting systems. The course is designed for students with a concentration in accounting and is to be taken concurrently with ACC 272 Principles of Accounting. Prerequisite: ACC 271 Principles of Accounting.

### **ACC 350 Principles of Taxation**

3 hours. Offered 1996-97. A study of the federal tax structure, including concepts and policies that shape the tax laws. The course will emphasize federal tax laws that relate to individual taxpayers. The relationship between accounting principles and tax law will be examined. Prerequisite: ACC 272 Principles of Accounting.

### **ACC 371, 372 Intermediate Accounting**

4 hours each semester. A comprehensive study of generally accepted accounting principles, including a review of their historical development and a thorough study of the underlying theory supporting them. A detailed study of many specific problems associated with the measurement and reporting of complex business transactions. Prerequisites: ACC 272 Principles of Accounting and ACC 273 Accounting Information Systems.

### **ACC 471 Advanced Accounting**

4 hours. Offered 1997-98. Accounting for specific types of entities such as partnerships and not-for-profit organizations. The accounting problems encountered in business combinations will be studied. Also covered will be major cost and managerial topics, such as job and process costing, standard costs, cost-volume-profit analysis, full costing and overhead determination and control. Prerequisites: ACC 272 Principles of Accounting and ACC 273 Accounting Information Systems.

### **ACC 472 Auditing**

4 hours. Offered 1996-97. An introduction to the standards and procedures observed by Certified Public Accountants in the examination of financial statements. Three types of audits will be examined: financial, compliance and operational. Special areas of study will include evaluation of internal control, ethical considerations, legal environment, the auditor's report, and evidence-collecting and evaluation procedures. Prerequisite: ACC 371 Intermediate Accounting.

## ART

*Survey of Art is offered under GED 220.*

### **ART 101, 102 Basic Design**

3 hours each semester. ART 101 is an introduction to materials, techniques and theory related to two-dimensional design. ART 102 focuses on three-dimensional design. Hands-on projects are the primary learning mode. ART 101 may be taken as an alternative to Survey of Art in meeting the general education requirement.

### **ART 111, 112 Drawing**

3 hours each semester. This course is a study of materials, methods and techniques used for drawing with pencil, ink, charcoal and other drawing media. ART 111 may be taken as an alternative to GED 220 Survey of Art in meeting the general education requirement. ART 111 is a prerequisite for ART 112.

### **ART 201 Painting**

3 hours. ART 201, beginning painting, will introduce students to materials, methods and techniques used in painting with acrylics.

### **ART 221 Beginning Sculpture**

3 hours. Introduction to the materials, methods and techniques used in sculpture.

### **ART 231 Beginning Printmaking**

3 hours. An introduction to screen printmaking and relief printmaking (woodcut, linocut, collagraph) techniques and methods.

### **ART 241 Beginning Ceramics**

3 hours. Introduction to basic hand-building techniques and surface design.

### **ART 285 Selected Topics**

1-3 hours. ART 285 is a lecture/studio class that deals with areas of interest in the art field, such as printmaking, calligraphy and sculpture.

### **ART 301 Intermediate Painting**

3 hours. This course provides an opportunity for further development of skills and for the introduction of more advanced techniques. Prerequisite: ART 201 Painting.

**ART 331 Intermediate Printmaking**

3 hours. An introduction to intaglio printmaking (etching, engraving, drypoint, aquatint) techniques and methods. Prerequisite: ART 231 Beginning Printmaking.

**ART 341 Intermediate Ceramics**

3 hours. An introduction to basic wheel-throwing techniques and surface design. Prerequisite: ART 241 Beginning Ceramics.

**ART 381 Baroque and Rococo Art**

3 hours. Art and its relationship to European culture from 1600 to 1800.

**ART 382 Twentieth Century Art**

3 hours. Art and its relationship to Western culture of the twentieth century.

**ART 385 Special Topics in Art History**

3 hours. Art and its relationship to a non-Western culture, e.g., African, Asian, Latin American. Specific topic will be dependent on the instructor's area of specialization.

**ART 401 Advanced Painting**

3 hours. Focus on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 301 Intermediate Painting.

**ART 431 Advanced Printmaking**

3 hours. Focus on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 331 Intermediate Printmaking.

**ART 441 Advanced Ceramics**

3 hours. Focus on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Prerequisite: ART 341 Intermediate Ceramics.

**ART 460 Art and Christ**

3 hours. A study of the relationship between art and Christianity in the contemporary world. Designed primarily for studio art majors. Prerequisites: ART 381 Baroque and Rococo Art, ART 382 Twentieth Century Art, or ART 383 Special Topics in Art History, and senior standing.

**ART 490 Senior Thesis Exhibit**

3 hours. All students graduating with a major in art will be required to exhibit their work in the Ross Art Gallery or other acceptable alternative location. This course includes the completion of a body of artwork for exhibition, writing a statement of artistic intent, and installing artwork in an exhibit space. Prerequisite: Art major with senior standing.

**ART 295/495 Special Study**

1-3 hours. Designed to give two emphases for the serious art student: to allow for further individual study in a media or area in which no further courses are available, and/or to allow for study in an area for which the student may already have some background and in which no course currently is offered.

**SIGN LANGUAGE**

**ASL 101, 102 American Sign Language**

2 hours each semester. Offered 1997-98. An introduction to American Sign Language, the native language of the deaf culture in the United States and Canada. The course introduces ASL signs and basic ASL grammar and syntax, and develops an understanding and appreciation of the adult deaf culture. Receptive and expressive skills in conversational ASL are taught. Practice outside the classroom required.

**BIBLICAL STUDIES**

*Survey courses are offered under GED 101, 102 Literature of the Old and New Testaments.*

**BIB 240 Wisdom Literature**

2 hours. The wisdom literature of the Old Testament is investigated historically, literarily and theologically. The origin and development of the biblical wisdom traditions in the books of



Proverbs, Job and Ecclesiastes are considered in the context of the broader, international wisdom of the ancient Near East and the intertestamental literature. Prerequisite: GED 101 Literature of the Old Testament recommended.

**BIB 260 Life of Christ**

2 hours. The synoptic writers—Matthew, Mark and Luke—form the foundation for this inquiry into the life and teaching of Jesus Christ. Prerequisite: GED 102 Literature of the New Testament recommended.

**BIB 270 Writings of John**

2 hours. This course explores what it means to believe in Jesus Christ, the Son of God, as depicted in Johannine literature: the Gospel and letters of John and Revelation. Special attention will be given to John's Christological, sociological setting and message as they relate to the lives of modern readers. Prerequisite: GED 102 Literature of the New Testament recommended.

**BIB 310 Old Testament History**

3 hours. Offered 1997-98. The history of ancient Israel is studied employing the text of the Old Testament narratives in Genesis through Esther, the evidence of archaeology and other ancient Near Eastern texts. Theological messages and developments will be explored. Prerequisite: GED 101 Literature of the Old Testament.

**BIB 330 The Prophetic Writings**

4 hours. Offered 1996-97. This course studies the origin and historical development of ancient Israelite prophecy and its culmination in the canonical books of the prophets. The historical and social setting of the prophets will be considered, along with the spiritual themes that dominate and characterize them. Prerequisite: GED 101 Literature of the Old Testament.

**BIB 340 Between the Testaments**

3 hours. Offered 1997-98. An introduction to history, literature and theological developments in Israel between 400 B.C. (Ezra) and the first century A.D. (Christ), to provide the basis for understanding both the conclusion of the Old Testament period and the origins of Judaism and Christianity. Prerequisite: GED 101, 102 Literature of the Old and New Testaments.

**BIB 390 Biblical Basis for Peacemaking**

2 hours. Offered 1997-98. Focusing centrally on Jesus' teachings about peacemaking, this course deals with the biblical treatment of peacemaking, including the prophetic and apocalyptic visions of the Kingdom, and the interpretations of these teachings by the early church. Attention also will be given to what it means to work for peace in today's world, as co-laborers with Christ. Prerequisite: GED 102 Literature of the New Testament.

**BIB 411, 412 The Acts and the Pauline Epistles**

3 hours each semester. Offered 1996-97. An extensive study of the mission and teachings of the New Testament church, as shown in the Acts and the Epistles attributed to Paul. Special attention will be given to ways early Christians dealt with struggles between Jewish and Gentile Christianity, and applications will be made for the church today. The fall semester studies Acts 1-15, Galatians and Romans. The spring semester studies Acts 15-28 plus the other Epistles of Paul. Prerequisite: GED 102 Literature of the New Testament.

**BIB 480 General Epistles**

2 hours. Offered 1996-97. As a study of the non-Pauline letters of the New Testament—Hebrews, James, Peter and Jude—this course explores the character of Jewish Christianity and its implications for the broader church. Prerequisite: GED 102 Literature of the New Testament.

**BIB 485 Selected Topics**

2 hours. A seminar on a topic chosen by the professor. Open to upper-division majors and others by permission.

**BIB 495 Special Study**

1-3 hours. Individual research. Open to qualified students upon application.

**BIOLOGY**

**BIO 100 Foundations of Biology**

3 hours. A course to fulfill the general education requirement that deals with the structure and function of cells and organisms, the role of energy in the ecosystem, transfer of biological information, evolution, reproduction and heredity. Bioethical considerations are discussed. Two lectures and one laboratory per week.

**BIO 101, 102 General Biology**

4 hours each semester. An introduction to life science for biology majors, pre-medical and pre-veterinary students, and others with an interest in science. Topics include cellular biology, genetics, development, ecology, anatomy and physiology of animals and plants, and an introduction to the plant (fall semester) and animal (spring semester) kingdoms. Three lectures and one two-hour laboratory period per week.

**BIO 221, 222 Human Anatomy and Physiology**

4 hours each semester. Structure and function of the human body. Fall semester topics include basic chemistry, body organization, integument, skeleton, muscles and the nervous system, including special senses. Spring semester topics include cardiovascular, reproductive, endocrine, respiratory, urinary and digestive systems. The course meets general education requirements and is designed for non-science majors. BIO 222 may be taken without BIO 221.

**BIO 275/475 Field Experience**

1-6 hours may be earned. Permission of the instructor and chairperson of the department is required.

**BIO 300 Evolution**

2 hours. Offered 1997-98. A study of mechanisms involved in natural selection. Topics include genes in populations, selection, mutation, geochronology, cosmology and molecular methods used to study phylogeny. Philosophical implications are considered.

**BIO 310 Developmental Biology**

4 hours. Theories and study of differentiation as they apply to growth and development of animals, with some emphasis on the mechanism involved. Includes historical topics, fertilization, embryonic organization, cell induction, histogenesis, organogenesis, and developmental morphogenesis of echinoderms, frogs, chicks and pigs. Three lectures and one three-hour laboratory per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 312 Plant Morphology**

4 hours. Offered 1997-98. A survey of vascular and nonvascular plants emphasizing form, reproduction and classification. Three lectures and one three-hour laboratory period per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 322 Comparative Vertebrate Anatomy**

4 hours. Offered 1997-98. The comparative study of the structure and functional morphology of organisms in the phylum Chordata. Laboratory will emphasize dissection of representative vertebrate animals. Three one-hour lectures and one three-hour laboratory per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 330 Animal Physiology**

4 hours. Offered 1996-97. Investigation of physiological principles in vertebrate animals, with emphasis on mechanisms of integration and homeostasis at cellular, organ and system levels. Topics include muscular, neural, vascular, excretory and endocrine interactions. Two lectures and one three-hour laboratory per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 340 Plant Physiology**

3 hours. Offered 1996-97. A study of plant function from the molecular to the organismic level. Photosynthesis, respiration, water relations, growth and development, mineral nutrition and practical applications will be covered. Two lectures and one three-hour laboratory period per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 350 Genetics**

4 hours. A study of the basic principles of inheritance and their molecular basis. Suggested as a valuable elective for students in psychology, sociology, public health, counseling or education. Laboratory deals with the theory and practice of recombinant DNA technology. Three lectures and one three-hour laboratory per week. Prerequisites: BIO 101, 102 General Biology.

**BIO 360 Ecology**

4 hours. An analysis of population, community and ecosystem dynamics. Laboratory will emphasize field measurements, computer modeling and behavior. Three lectures and one three-hour laboratory per week, and one required field trip to the Malheur Field Station. Prerequisites: BIO 101, 102 General Biology.

**BIO 370 Microbiology**

3 hours. A course in the structure, metabolism, classification and health aspects of microorganisms. Methods of microbiological investigation are emphasized. Two lectures and one three-hour laboratory period per week. Prerequisites: BIO 101, 102 General Biology, or permission of course instructor.

**BIO 380 Ornithology**

3 hours. A study of avian biology including phylogeny, evolution, anatomy, physiology, behavior and ecology. Laboratory will emphasize identification, bird banding and basic anatomy. One two-hour lecture and one three-hour laboratory per week, and one required field trip to the Malheur Field Station. Prerequisites: BIO 101, 102 General Biology.

**BIO 390 Systematic Botany**

3 hours. Offered 1996-97. Collection, identification and classification, with emphasis on the Angiosperms. Topics in experimental taxonomy, literature of taxonomy, systems and history of classification, and evolution of the Angiosperms are considered. Two lectures and one three-hour laboratory session per week and a required field trip.

**BIO 420 Cell Biology**

3 hours. A course that unifies structure and function at the molecular level. Topics include cell ultrastructure and organization, respiration, physiology of muscular contraction, photosynthesis, molecular biology, research methods, recombinant DNA and molecular aspects of development. Two lectures and one three-hour laboratory per week. Prerequisites: CHE 325, 326 Organic Chemistry.

**BIO 460 Invertebrate Zoology**

3 hours. Offered 1997-98. Comparative phylogeny, morphology, ecology and life histories of several invertebrate groups and protozoa. Two one-hour lectures and one three-hour laboratory per week, and one required field trip to the Malheur Field Station. Prerequisites: BIO 101, 102 General Biology.

**BIO 485 Selected Topics**

1 or more hours. Within the limits of availability and enrollment demands, topics reflecting special interests of faculty, visiting professors, or recent developments in biology may be offered. Prerequisites: BIO 101, 102 General Biology.

**BIO 491, 492 Senior Seminar**

1 hour each semester. The methodology of science, history of scientific research and current topics. Guidance in the selection of a thesis research topic by each major leading to acceptable design, experimentation, presentation, peer review and publication of results. Two hours required of majors. For biology majors and minors with senior standing only.

**BIO 495 Biological Research**

1-4 hours. Specific instructional programs, laboratory or field research, or independent study as planned under an advisor. A total of not more than four hours may be applied toward the major. For upper-division biology majors only. By permission.

**BUSINESS**

*Additional courses are listed under Accounting and Economics.*

**BUS 110 Introduction to Business**

3 hours. This introductory survey will examine the major functional areas of business and afford the student an opportunity to consider this major as a path to a career. Emphasis is given to contemporary business concepts, in particular an examination of business as a field for stewardship.

**BUS 240 Statistical Procedures in Business and Economics**

3 hours. Statistical procedures with applications in management and economics. Emphasis on the development of a basic knowledge of the statistical tools available for analysis of problems and decision making. Prerequisite: High school algebra or equivalent.

**BUS 250 Computer Applications**

3 hours. This course is designed to give students "hands-on" experience in business decision making. Students will have the opportunity to work with computer simulations of company start up and operation. Special emphasis is given to software application and the processes of decision making, teamwork, goal setting and strategies. Prerequisite: BUS 110 Introduction to Business.

**BUS 275 Field Experience**

1-3 hours. An on-the-job experience or observation designed to acquaint the student with the business world.

**BUS 300 Management**

3 hours. A study of the theory and practice of management. The course involves discussion and application of areas such as social responsibility, strategy, problem solving, communication, change, job performance and financial/operational controls. Prerequisite: BUS 110 Introduction to Business.

**BUS 320 Human Resources Management**

3 hours. Offered 1997-98. Examination of major personnel issues including the procurement, development, compensation and maintenance of an effective work force. Also covered will be topics related to labor legislation and labor-management relations. Prerequisites: BUS 110 Introduction to Business, and BUS 300 Management.

**BUS 330 Small Business Management and Entrepreneurship**

3 hours. Offered 1996-97. A study of the process of establishing and managing a small business. The course involves field work, original thinking and research. Students will design management information systems, marketing strategies and other aspects of owning a small business. Prerequisites: ACC 271 Principles of Accounting, and consent of the instructor.

**BUS 340 Marketing**

3 hours. Study of the marketing concept, consumer demand and behavior, and marketing functions of the firm. Objective is to understand the development of marketing channels, products, prices and promotion strategies. Prerequisite: BUS 110 Introduction to Business.

**BUS 350 International Marketing**

3 hours. Offered 1996-97. The conduct of marketing functions in an international environment. Consideration of importing and exporting, product development for overseas markets, and the functioning of the multinational firm. Prerequisite: BUS 340 Marketing.

**BUS 360 Business Law**

3 hours. Covers the legal aspects of common business transactions. Includes the law of contracts, agency, negotiable instruments and other phases of private law. Prerequisite: BUS 110 Introduction to Business.

**BUS 370 Organizational Behavior**

3 hours. Offered 1996-97. Consideration of how and why people behave the way they do in organizations. Through the use of readings, cases and exercises, the student is exposed to major components of organizational behavior theory. Areas such as perception/attribution, motivation, groups, dynamics, power, conflict, leadership, culture and organizational development will be explored. Prerequisite: BUS 110 Introduction to Business, or permission of instructor.

**BUS 410 Financial Management**

3 hours. An introduction to the finance function of a business entity. Specific topics to be studied include capital budgeting, cost of capital determination, sources of financing, leverage and its effect on the profits and risk of business, and managing the asset mix and capital structure of a business. Prerequisite: ACC 272 Principles of Accounting.

**BUS 420 Advertising and Promotion**

3 hours. Offered 1997-98. Consideration of promotional strategies, with particular emphasis on evaluation and selection of advertising media, public relations, selling and management of the promotion mix. Prerequisite: BUS 340 Marketing.

**BUS 450 Marketing Research**

3 hours. Research methods for marketing decisions. Topics include defining research needs, the formulation of research questions, consideration of alternative methodologies, sources of data and information, sampling, and interpretation and reporting of findings. Prerequisites: BUS 240 Statistical Procedures and BUS 340 Marketing.

**BUS 475 Field Experience**

3-6 hours. Supervised experiences in businesses, nonprofit organizations and public agencies.

**BUS 485 Selected Topics**

1-3 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

**BUS 490 Business Policy and Strategy**

3 hours. This senior seminar for business and economics majors provides opportunity to synthesize class work and to consider some of the major issues and challenges that will be confronted in the work place. Prerequisite: Senior standing and completion of all common core courses.

**BUS 495 Special Study**

1-3 hours. Independent study of subjects outside regular offerings of particular interest to business and economics majors. Regular reading reports and conferences are scheduled. For upper-division business and economics majors only, by permission.

## CHEMISTRY

**CHE 100 Chemistry of Life**

3 hours. This course will cover concepts of organic and biochemistry at an elementary level. Emphasis will be placed on medical and biological applications of chemical principles. Topics will include acids and bases, alcohols, carbohydrates, proteins, lipids and metabolism. Two lectures and one laboratory period per week.

**CHE 110 Chemistry and Our Environment**

3 hours. This course will cover introductory concepts of chemistry. Special attention is given to topics of current interest, such as environmental chemistry, polymer chemistry and household chemistry. This course meets general education requirements and is designed for non-science majors. It is recommended for students who need an introduction to chemistry prior to taking CHE 111 General Chemistry. Two lectures and one laboratory per week.

**CHE 111, 112 General Chemistry**

4 hours each semester. This course covers fundamental chemical principles, reactions and modern theories. Special emphasis is given to the role of chemistry in everyday life. Three lectures and one laboratory period per week. Prerequisite: High school chemistry, CHE 110 Chemistry and Our Environment, or math placement score.

**CHE 310 Analytical Chemistry**

3 hours. Offered 1996-97. An introduction to the principles and techniques of quantitative chemical analysis. Material includes gravimetric, volumetric and complexometric analysis; neutralization, precipitation and oxidation-reduction titrations; solubility; statistical methods of data analysis; and an introduction to instrumental methods. Two lectures and one three-hour laboratory per week. Prerequisite: CHE 111, 112 General Chemistry.

**CHE 320 Advanced Inorganic Chemistry**

3 hours. Offered 1997-98. Atomic structure, chemical bonding, periodic trends of structure, physical properties and reactivities of the elements, group theory as applied to molecular structure and non-metal and transition-metal chemistry. Three lectures per week. Prerequisite: CHE 111, 112 General Chemistry.

**CHE 325, 326 Organic Chemistry**

4 hours each semester. A study of principles, structure, bonding, reactions and energy as related to carbon chemistry. The laboratory stresses materials, equipment and skills in synthesis, purification and identification of representative groups of organic compounds. Three lectures and one three-hour laboratory per week. Prerequisite: CHE 111, 112 General Chemistry.

**CHE 340 Biochemistry**

3 hours. An introduction to the chemistry of substances involved in life processes. The structures, reactions and energy transformations of these compounds are considered. Three lectures per week. Prerequisite: CHE 325, 326 Organic Chemistry.

**CHE 390 Organic Synthesis and Analysis**

3 hours. Offered 1997-98. This course will emphasize advanced laboratory techniques for the synthesis, isolation and identification of organic compounds. Spectroscopy will be emphasized for the analysis of compounds. Advanced separation techniques such as gas chromatography and vacuum distillation will be studied. One lecture and two three-hour laboratory periods per week. Prerequisite: CHE 325, 326 Organic Chemistry.

**CHE 401, 402 Physical Chemistry**

4 hours each semester. An introduction to modern theoretical chemistry emphasizing classical and statistical thermodynamics, quantum mechanics, molecular structure, spectroscopy and kinetics. Three lectures and one three-hour laboratory per week. Prerequisites: CHE 111, 112 General Chemistry, MTH 301 Calculus III, and either PHY 202 General Physics or PHY 212 General Physics with Calculus.

**CHE 410 Advanced Chemical Measurements**

3 hours. Offered 1996-97. Principles and techniques of modern instrumental physico-chemical and analytical measurements. Literature search methods, scientific writing techniques and seminar presentation techniques are covered. Two lectures and one three-hour laboratory per week.

**CHE 420 Advanced Organic Chemistry**  
2 hours. Offered 1997-98. A study of organic reactions not normally covered in introductory courses. Synthesis and reaction mechanisms are emphasized. Prerequisite: CHE 325, 326 Organic Chemistry.

**CHE 475 Field Experience**  
1-3 hours. Supervised experience with an off-campus industry or agency using applied chemistry. Prerequisite: Consent of advisor.

**CHE 485 Selected Topics**  
1-4 hours. Scheduled as a regular class with topics chosen to meet the special needs and interests of students, faculty or visiting professors. Prerequisite: Upper-division standing.

**CHE 495 Chemical Research**  
1-3 hours per semester (not to exceed a total of 6 hours). Experimental and/or theoretical research in a topic of the student's choosing, supervised by the chemistry faculty. For upper-division chemistry majors only. By permission of individual faculty member.

## CHRISTIAN MINISTRIES

**CHM 130 Christian Discipling**  
4 hours. A study of biblical principles of evangelism, nurturing and teaching. This study encompasses the Christian educational responsibilities of the local church and parachurch agencies.

**CHM 230 The Christian and the Outdoors**  
3 hours. Offered 1997-98. An exploration of the biblical foundations for a variety of outdoor activities available to individuals, families, church groups and Christian camps. Of significant importance is a consideration of the potential that outdoor experiences have for teaching and learning.

**CHM 310 Theological Foundations of Christian Ministry**  
3 hours. A study of the relationships of theology to Christian ministry. This course explores the ways in which particular theologies affect the practice of ministry in the church.

**CHM 320 Relational Bible Teaching**  
2 hours. Offered 1996-97. An analysis of the concept of Bible teaching in a small group setting. Classroom practice in using the various methods as they relate to home Bible studies, camp settings or the Sunday school.

**CHM 330 Youth Leadership**  
4 hours. A study of motivation, guidance and method in reference to youth and youth ministries, aimed at developing leadership skills.

**CHM 350 Audiovisual Technology**  
2 hours. A practical course that trains students to select, produce and use instructional media to implement learning and effective communication. Attention given to such media as overhead transparencies, film, filmstrips, slides and multi-images, and computers. Students attend a two-hour class session each week, as well as lab sessions. Each student presents a major project at the end of the semester. (Identical to COM 350.)

**CHM 360 Perspectives in Christian Education**  
3 hours. A study of the historical background and philosophical development in Christian education, with an examination of the influence of these antecedents upon theory and practice. Contemporary trends in current and emerging ministries will be assessed against such perspectives.

**CHM 370 Camp Programming and Counseling**  
3 hours. Offered 1997-98. A camping overview: its historical development and philosophy. Types of camps, program activities, teaching-learning models, leadership recruitment and training—with special emphasis on methods of camp counseling—are covered. Overnight campout is required. (Identical to HHP 370.)

**CHM 381 Counseling**  
3 hours. A study of theory and technique of person-centered counseling. The course is designed to teach basic theoretical postulates and to focus on effective intervention skills for those anticipating future work in Christian ministries, teaching, or mental health settings. Open to sophomores and above. (Identical to PSY 381 and SWK 381.) Prerequisite: PSY 150 General Psychology.

**CHM 391 Shared Praxis I: Introduction to Educational Ministry**  
4 hours. An exploration of an individual's call to ministry and a study of present praxis in Christian educational ministry, with emphasis on storytelling and community building. This is the first of four semesters. Department interview required.

**CHM 392 Shared Praxis II: The Christian Story and Vision**  
4 hours. A study of the faith life of the Christian community, expressed through Scripture, traditions, liturgies, theology and church history, as it relates to Christian educational ministry. This is the second of four semesters. Prerequisite: CHM 391 Shared Praxis I: Introduction to Educational Ministry.

**CHM 420 Christian Preaching**  
2 hours. Building an understanding of the purposes, content and structures of Christian preaching. To increase awareness and appreciation of this form of communication, the course includes the writing and delivery of an original sermon by each student.

**CHM 440 Camp Administration**

2 hours. Offered 1996-97. Designed to develop a basic understanding of programming, business and leadership at an administrative level. A weekend camping trip is required. (Identical to HHP 440.)

Prerequisite: CHM 370 Camp Programming and Counseling, or permission of the instructor.

**CHM 475 Field Experience**

1-5 hours. Supervised internship in areas of Christian ministry, with emphasis on application of methods learned. Open to upper-division students only, by application.

**CHM 485 Selected Topics**

2 hours. A seminar on a topic chosen by the professor. Open to upper-division majors and others by permission.

**CHM 491 Shared Praxis III: Methods and Skills in Ministry**

4 hours. A study of ministry methods and skills that will enable students to appropriate the Christian story and vision to their own ministry contexts. This is the third of four semesters. Prerequisite: CHM 392 Shared Praxis II: The Christian Story and Vision.

**CHM 492 Shared Praxis IV: Supervised Field Experience**

4 hours. Active involvement in an area of Christian ministry through supervised experience, and reflection on ministry experiences through class support and discussion. This is the fourth of four semesters.

Prerequisite: CHM 491 Shared Praxis III: Methods and Skills in Ministry.

**CHM 495 Special Study**

1-3 hours. Individual research. Open to qualified students upon application.

**COMPUTER AND INFORMATION SCIENCE**

**CIS 120 Computers in the Modern World**

3 hours. An introduction to the computer, its general structure, and its uses. The major thrust of this course will be to teach the student to use several common computer applications such as word processing, electronic spreadsheets, graphics and databases. May not be taken for computer and information science major credit.

**CIS 130 Programming the Personal Computer**

3 hours. An introduction to the techniques of programming using HyperCard. An emphasis is placed on the programming features involved with the microcomputer. The course is designed for students who want to be able to write programs in a diverse range of applications.

**CIS 201, 202 Introduction to Computer Science**

3 hours each semester. A foundational course for the study of computer and information science. The course covers an overview of programming methodology and gives the student an ability to write computer programs using good and current style and structure. C+ is the programming language used. Prerequisite: High school algebra or equivalent.

**CIS 300 Numerical Methods**

3 hours. Offered 1997-98. A study of numerical solutions of mathematical problems, including nonlinear equations, systems of linear equations, polynomial approximations, root finding, integration and differential equations. Computer programs are written to solve these problems. Prerequisites: MTH 202 Calculus II, and either CIS 201 Introduction to Computer Science or EGR 200 Introduction to Computer Programming for Engineers. (Identical to MTH 300.)

**CIS 310 Data Structures and File Processing**

4 hours. Offered 1997-98. An introduction to the concepts of information organization, methods of representing information both internally and externally. The course begins with basic structures (stacks, queues, linked lists and trees) and moves through more complex data structures into the processing of files (sequential, relative, indexed sequential and others). Programming projects are completed in one or more high-level languages. Prerequisites: CIS 201, 202 Introduction to Computer Science.

**CIS 321 Software Engineering**

3 hours. Offered 1997-98. An introduction to the strategies used in producing quality software. The life cycle of software development is presented and utilized. Larger projects are undertaken by teams of students in the initial phases. Prerequisite: CIS 201 Introduction to Computer Science.

**CIS 322 Systems Development Seminar**

2 hours. Offered 1997-98. Projects initiated in CIS 321 Software Engineering are completed. Students will work in teams in these large-systems development projects. Prerequisite: CIS 321 Software Engineering.

**CIS 330 Computer Graphics**

3 hours. Offered 1996-97. An introduction to the concepts of computer graphics, particularly those used with microcomputers. Basic programming and mathematical tools used in producing graphics are explored and applied in several projects. Prerequisites: CIS 201 Introduction to Computer Science and MTH 190 Pre-calculus Mathematics.

**CIS 340 Database Systems**

3 hours. Offered 1997-98. A study of the organization of database systems for information storage, retrieval and security. Examples of hierarchic, network and relational-based systems are presented. Prerequisite: CIS 201 Introduction to Computer Science.

**CIS 350 Data Communications and Networks**

3 hours. Offered 1996-97. An introduction to the field of communications among computers and computer systems, with an emphasis placed on LANS (Local Area Network Systems). Students will experience the installation of one or more network systems.

**CIS 410 Assembly Language Programming**

3 hours. Offered 1996-97. An introduction to programming in assembly language on the IBM-PC. By writing several programs at a level closer to the actual machine language of the computer, the student will gain insights into its architecture and structure. Prerequisites: CIS 201, 202 Introduction to Computer Science.

**CIS 420 Structures of Programming Languages**

3 hours. Offered 1996-97. A study of the basic design of computer programming languages, with the greater emphasis placed on semantics (over syntax). A comparative analysis is made among several of the common languages. Prerequisites: CIS 201, 202 Introduction to Computer Science.

**CIS 460 Operating Systems**

3 hours. Offered 1996-97. A study of the organization and architecture of computer systems. The major principles of operating systems are presented, along with case studies involving actual operating systems. Prerequisite: CIS 202 Introduction to Computer Science.

**CIS 470 Operations Research**

3 hours. Offered 1997-98. An introduction to the mathematical tools useful in the study of optimization, with particular emphasis on linear programming. Additional topics include queuing theory, integer programming and simulation. (Identical to MTH 470.) Prerequisites: MTH 190 Pre-calculus Mathematics, and CIS 130 Programming the Personal Computer, or equivalent.

**CIS 475 Field Experience**

1-3 hours. Supervised experience with an off-campus industry, business or institution, using computer science or data processing. For upper-division computer information science majors only.

**CIS 485 Selected Topics**

1-10 hours. A scheduled class with topics chosen to meet the special needs and interests of students, faculty or visiting professors. For upper-division computer information science majors only.

**CIS 490 Applied Software Development**

1-3 hours. Special software development projects designed and completed by the student in an area that applies computers. This is an independent study course and is supervised by staff in both the computer area as well as in the selected area of study. For upper-division computer information science majors only, by permission.

**CIS 495 Special Study**

1-3 hours. Individual study in areas of special interest. For upper-division computer information science majors only, by permission.

**COMMUNICATION ARTS**

**COM 100 Introduction to Communication**

3 hours. An introduction to the study of human communication. Application of communication principles to interpersonal, group and public contexts. Particular emphasis on the practice of public speaking. Students will prepare and deliver several oral presentations.

**COM 200 Persuasive Communication**

3 hours. A presentation of key principles of persuasion as they are reflected in typical organizational communication contexts. Focus on developing a planning sequence that will function as a practical guide for designing, executing and evaluating communication events. Students will be expected to develop a "real world" communication event, e.g., publicity campaign, speech, newsletter, etc. Prerequisite: COM 100 Introduction to Communication, or equivalent.

**COM 210 Interpersonal Communication**

3 hours. Theoretical and reflective study and guided experience in dyadic and small group communication, with attention given to interpersonal communication, listening behavior, nonverbal communication and conflict resolution. Prerequisite: COM 100 Introduction to Communication, or equivalent.

**COM 230 Mass Media and Popular Culture**

3 hours. Survey of the historical development of newspapers, magazines, broadcast media and cinema. Analysis of the role(s) of mass media in shaping and altering opinion and values in contemporary culture.

**COM 275/475 Field Experience**

1-10 hours. Experience in supervised field situations, generally off campus, involving extensive communication activity. Admission to course and amount of credit determined by the faculty supervisor. (Pass/no pass only.)

**COM 285/485 Selected Topics**

3 hours. A variety of topics may be offered that reflect the interests of faculty, visiting professors and students.

**COM 300 Theoretical Approaches to Communication**

3 hours. A study of the major sources of communication theory (e.g., meaning theory, humanistic psychology, symbolic interactionism, relational theory, information processing) together with specific, contemporary exemplifications of each approach. Special focus on the nature and progress of scientific inquiry in communication theory. Prerequisite: Six hours of communication arts or communication/video production courses, including COM 100 Introduction to Communication.

**COM 305 Professional Communication Activities**

1-3 hours. Offered each term. Structured to give students experience in "real world" communication events, generally on campus. May be repeated for a maximum of six hours total. Prerequisite: Permission of the instructor. (Pass/no pass only.)

**COM 310 Conflict Resolution**

3 hours. Offered 1997-98. A study of communication principles found useful in managing conflict productively. Focus given to conflict occurring in institutional and organizational settings between individuals and groups, but attention also given to conflict in interpersonal, national and international settings. (Identical to PSC 310.)

**COM 320 Introduction to Public Relations**

3 hours. A course designed to introduce and develop a clear concept of public relations as a communication profession. Topics to be covered include the function of public relations in both public and private enterprises; the process of planning and implementing a public relations communication campaign; techniques for communicating with various publics; and the laws and ethics governing the practice of public relations. Prerequisite: One course in business or communication arts.

**COM 324 Argumentation and Critical Thinking**

3 hours. Offered 1996-97. A course in practical reason. Includes a survey of theories of argumentation, analysis of public arguments, and several speeches, including a debate. Prerequisite: COM 100 Introduction to Communication, or permission of the instructor.

**COM 330 Moving Image Criticism**

3 hours. The critical analysis of the moving image, including television programming and film. Employs textual, contextual and ethical methods for illuminating the relationship of these media artifacts to modern culture, both secular and religious. Prerequisite: One communication arts or communication/video production course.

**COM 340 General and Cultural Linguistics**

3 hours. Offered 1997-98. A study of the nature of verbal symbols as they function in communication. The course will include phonetic transcription, semantics, modern grammatical theories, history of the English language and modern English dialects.

**COM 350 Audiovisual Technology**

2 hours. Offered on sufficient demand. A practical course that trains students to select, produce and use instructional media to implement learning and effective communication. Attention given to such media as overhead transparencies, film, filmstrips, slides and multi-images, and computers. Students attend a two-hour class session each week, as well as lab sessions. Each student presents a major project at the end of the semester. (Identical to CHM 350.)

**COM 360 Nonverbal Communication**

3 hours. Offered 1996-97. A study of the nonverbal dimensions of interpersonal communication. Includes a consideration of physical behavior, facial expression, eye behavior, personal appearance, personal space, clothing, touch, voice, and use of objects as means of communication and in relation to verbal communication. Involves participation in nonverbal simulations and exercises. Prerequisite: One communication arts course.

**COM 380 Leadership Communication**

3 hours. An introduction to the study and practice of leadership from a communication perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational, group and public contexts. Students will analyze their personal leadership styles and develop leadership communication skills through team projects and classroom exercises. Prerequisite: Sophomore standing or above.

**COM 400 Critical Approaches to Communication**

3 hours. Methods of rhetorical criticism as applied to public communication of the past and present, including—but not limited to—speeches, broadcasts, films and campaigns. Analysis of current trends in rhetorical criticism. Prerequisite: COM 300 Theoretical Approaches to Communication, or permission of the instructor.

**COM 495 Individual Research**

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of a faculty member.



## COMMUNICATION/ VIDEO PRODUCTION

### **CVP 230 Introduction to Television Production**

4 hours. An introduction to the language and the technical, creative and aesthetic elements of the television production process. Course includes basic lighting, sound, camera operation, composition and design of visual elements, producing, and directing through both classroom and supervised laboratory experiences.

### **CVP 260 Scriptwriting for Media**

3 hours. An introduction to the styles, techniques, content and forms of media writing. Nondramatic forms of writing—including broadcast news, commercial, television feature and informational—are covered. The writing of several short scripts is required in the course. (Identical to WRI 260.) Prerequisite: WRI 110 Freshman Composition.

### **CVP 320 Dramatic Scriptwriting**

3 hours. Offered 1997-98. An introduction to the art of dramatic writing for television and film. Dramatic structure, plot scenarios, dialogue, characterization and moralization are among several topics examined and exercised. The writing experience is complemented through an examination of the business aspects of writing, including spec-scripts, agents and the Hollywood system.

### **CVP 340 Video/Audio Systems**

3 hours. Offered 1996-97. A study of video and audio system components, their operation and interrelationships. The video module includes study of the video camera, recording systems, waveform monitors and signal processing equipment. The audio portion of the class studies acoustics, microphones and sound recording/editing.

### **CVP 350 Editing Video**

3 hours. Theory and practice in editing the moving image. Analysis of Hollywood and avant-garde styles of editing is followed by practice exercises illustrating each concept. Prerequisite: CVP 230 Introduction to Television Production.

### **CVP 355 Bruin Cable Workshop**

2 hours. Course involves multi-camera remote productions. Study includes planning, production and post-production editing of sporting, theater, and other campus events. May be repeated once for credit. Prerequisite: CVP 230 Introduction to Television Production.

### **CVP 430 Producing and Directing Television**

4 hours. An advanced course in television directing and producing, from program conceptualization to evaluation of the finished program. Concentration on the principles and aptitudes of planning and picturization of script material, culminating in the production and editing of television programs. Prerequisite: Permission of the instructor.

### **CVP 475 Field Experience**

3-10 hours. An internship experience designed to give students an opportunity to practice television techniques and principles in an off-campus, professional setting. Students choose from a variety of options—cable, broadcast, corporate, medical, or commercial production facilities—based on the student's goals and interests. Up to three hours may apply to the communication/video production major. Prerequisite: Permission of the instructor.

### **CVP 485 Selected Topics**

3 hours. A variety of topics that reflect the interests of faculty, students and area professionals. May include broadcast news.

### **CVP 495 Independent Study**

1-3 hours. Individual study in an area of special interest to the student. Offered to exceptional students at the discretion of a faculty member.

## ECONOMICS

*Additional courses are listed under Accounting and Business.*

### **ECO 201 Principles of Microeconomics**

3 hours. An introduction to the micro aspects of the social science concerned with the allocation of resources. Consideration is given to the fundamental principles governing production, distribution, consumption, and exchange of wealth. The course studies the behavior of microeconomic units such as individuals, households, firms and industries. ECO 201 and ECO 202 are complementary courses; however, either course may be taken first.

### **ECO 202 Principles of Macroeconomics**

3 hours. An introduction to the macro aspects of the social science concerned with the allocation of resources. Consideration is given to the fundamental principles of the economy as a whole, dealing with economic data, behavior, and theory at the aggregate level of the economy. The course studies topics such as government spending, taxation and monetary policies, as well as events and issues in the global economy. ECO 202 and ECO 201 are complementary courses; however, either course may be taken first.

### **ECO 330 Managerial Economics**

3 hours. The application of economic theory and quantitative methods to business and administrative decision making. Topics include the analysis of consumer demand and market structure, forecasting, production and cost analysis, pricing practices, and decision making under uncertainty. Prerequisites: BUS 240 Statistical Procedures in Business and Economics, ECO 201 Principles of Microeconomics, and ECO 202 Principles of Macroeconomics.

### **ECO 340 Public Economics**

3 hours. Offered 1996-97. An overview of the economic role and impact of government, including topics in public finance, fiscal policy, monetary policy and the banking system, and the economics of regulation. Prerequisites: ECO 201 Principles of Microeconomics and ECO 202 Principles of Macroeconomics.

**ECO 350 International Trade and Finance**

3 hours. Offered 1996-97. The theory and practice of international trade, economic cooperation, foreign exchange, and international finance and financial institutions. (Identical to INS 350.) Prerequisites: ECO 201 Principles of Microeconomics and ECO 202 Principles of Macroeconomics.

**ECO 360 Global Political Economy**

3 hours. An integrated view of the world economy, with particular attention to such topics as economic growth, debt crises, the distribution of wealth and income, the relationships between economic and political systems, the economics of peace and war, and environmental issues. Prerequisite: ECO 201 Principles of Microeconomics or ECO 202 Principles of Macroeconomics.

**ECO 475 Field Experience**

3-6 hours. Supervised experiences in business, financial and research firms, and government agencies. For upper-division students only, by permission.

**ECO 485 Selected Topics**

2-3 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

**ECO 495 Special Study**

2-3 hours. Subject matter and credit arranged for the needs of the individual student. For upper-division students only, by permission.

**EDUCATION**

**EDU 275 Field Experience**

1-2 hours. An elective field placement individually designed with approval of the instructor. Does not substitute for required field assignments; 40 hours field work per credit is required.

**EDU 311, 312 Mathematics for Elementary Teachers**

4 hours each semester. These courses include a study of the arithmetic structures of mathematics, informal geometry, and applications of elementary mathematics. The development and use of materials for the classroom, alternative teaching strategies for working with diversified students, and a study of mathematics curricula found in grades K-9 also are explained. Field work may be required in both courses. (Identical to MTH 211, 212.) Prerequisite: Junior standing.

**EDU 321 Early Childhood Education**

4 hours. Offered 1997-98. Early childhood distinctives regarding growth, development and learning, with attention to implications for classroom management and organization, parent involvement and program operation.

**EDU 322 Early Childhood Methods**

3 hours. Offered 1998-99. Developmentally appropriate methods and materials for facilitating literacy, language, math and science learning for young children.

**EDU 331 Psychological Foundations: Inclusion and Assessment**

2 hours. A survey of current knowledge about the diverse abilities of learners in the regular classroom, with an emphasis on methods for including students and assisting their learning processes. Survey of current assessment procedures.

**EDU 332 Psychological Foundations: Learning Theory and Classroom Management**

3 hours. Learning theories and the patterns of classroom application. Patterns of classroom management and organization.

**EDU 340 Integrated Methods: Reading and Writing Across the Curriculum**

2 hours. A study of the nature and processes of reading and writing, and of how skills developed in the elementary grades are promoted in middle, junior high and senior high schools. Course deals with readiness assessment, diagnosis and prescription, study skills, writing skills, reading rate and comprehension. Required for secondary education; does not apply toward the elementary education major. EDU 475 Student Teaching II must be taken concurrently.

**EDU 351 Middle-Level Education**

3 credit hours. Offered 1998-99. Middle-level distinctives regarding growth, development, and learning, with attention to implications for classroom management and organization.

**EDU 352 Middle-Level Methods**

3 credit hours. Offered 1999-2000. Developmentally appropriate methods and materials for facilitating instruction and integration of subject matter fields for middle-level students in both departmentalized and self-contained classroom organizational patterns. Issues of parent involvement and teacher collaboration.

**EDU 370 Integrated Methods: Music and Art**

3 hours. Generic methods of teaching, including objectives, lesson plans, units of instruction, assessment of pupil learning as used in teaching. Specific applications in art and music for elementary teachers. Students write and assess a short work sample; 30 class hours of field experience.

**EDU 375 Student Teaching I**

1 hour. A laboratory experience consisting of general and specific assigned tasks managing and instructing pupils and assisting teachers in classrooms; 70-90 hours of field work.

**EDU 380 Integrated Methods: Science and Social Studies**

4 hours. Advanced methods including development and teaching of a work sample. Focus on reading, with additional attention to the specialized methods for science, social studies and math. Measurement, use of media and curriculum development. EDU 375 Student Teaching I must be taken concurrently.

**EDU 390 Integrated Methods for Secondary Teachers**

5 hours. (2 hours for home economics, music and physical education teaching majors.) Methods Secondary is a course which acquaints the student with generic methods of teaching, including objectives, lesson plans, units of instruction and assessment of pupil learning as applied in teaching; discipline-specific methods. Students will also be introduced to the method teaching of a Work Sample. Field experience will be a major component of this course. EDU 375 Student Teaching I must be taken concurrently.

**EDU 401 Integrated Methods: Literature and Language**

4 hours. Offered 1996-97. Survey of children's literature genre and uses. Methods and materials of language arts teaching in the areas of listening and speaking and of spelling and handwriting instruction.

**EDU 402 Integrated Methods: Literature and Literacy**

4 hours. Methods and materials for language arts teaching in the areas of reading and writing, with an emphasis on the use of children's literature.

**EDU 410 Teaching Physical Education K-12**

3 hours. Competence development in teaching physical education for the physical education major. Emphasis is given to analysis of objectives, unit and lesson planning, instruction methods, means of evaluation, and class procedures and control. Field work may be required. Prerequisite: Junior standing.

**EDU 421 Elementary School Music Methods**

2 hours. Offered 1996-97. This course features a study of instructional techniques for elementary music from kindergarten through grade six. It is designed to provide music majors with some insight into available instructional materials and techniques. Practice lessons are taught, public school classroom observation trips are made, and an on-campus Orff Schulwerk workshop is held. The course does not apply toward the elementary education major. Field work may be required. Prerequisite: Junior standing.

**EDU 422 Secondary School Music Methods: Vocal**

1½ hours. Offered 1997-98. This course features a study of vocal music from grades seven through 12. Included are techniques for teaching general music as well as choral music. Rehearsal techniques, classroom control, methods, texts and music are all considered. The course also deals with the boy's changing voice. Practice lessons are taught, and public school classroom observation trips are made. Field work may be required. Prerequisite: Junior standing.

**EDU 423 Secondary School Music Methods: Instrumental**

1½ hours. Offered 1997-98. A survey of aims, methods, materials and repertoire used in teaching music in elementary and secondary schools. Field work may be required. Prerequisite: Junior standing.

**EDU 450 Diagnosis and Remediation of Reading Difficulties**

3 hours. A study of methods and materials used to assess and teach, in developmentally appropriate ways, reluctant readers and readers with reading difficulties including dyslexia. A 40-hour field placement in a remedial reading situation.

**EDU 460 Organization, Management, and Curriculum of the Reading Program**

2 hours. A variety of organizational patterns, media resources and techniques for managing materials, human resources and record keeping. Discussion of innovative reading programs, such as Reading Recovery and Project Read. Students will explore current media hardware and software available for reading programs.

**EDU 470 Teaching of Family and Consumer Sciences**

3 hours. Taught as needed. Strategies for teaching all areas of family and consumer sciences in grades PP-12. Emphasis on teaching techniques, behavioral objectives, curriculum development, scope and sequence, preparing teaching materials, resources, audiovisual aids, text-books, professional periodicals and evaluation procedures. Field work may be required. Prerequisite: Junior standing.

**EDU 475 Student Teaching II**

12 hours. Offered 1998-99. A full-time laboratory experience in which principles and methods of teaching are applied under supervision of a classroom teacher and college supervisor. Students produce, teach and evaluate a unit of instruction. Course includes seminars dealing with job transition and related issues.

**EDU 485 Selected Topics**

1-3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

**EDU 490 Senior Seminar**

3 hours. Offered 1998-99. Seminar discussion of current trends and issues in education.

**EDU 495 Special Study**

1-3 hours. Directed independent study open to upper-division students only. May not be used to substitute for required courses. Prerequisite: Consent of instructor.

**ENGINEERING**

**EGR 102 Engineering Graphics**

2 hours. Offered 1997-98. Presentation of the basic principles of engineering graphics. Topics include descriptive geometry, geometric construction, dimensioning, isometric and orthographic projections, and introductory CAD (computer-aided design).

**EGR 200 Introduction to Computer Programming for Engineers**

3 hours. An introduction to the concepts, methods and application of computer programming and problem solving in the engineering discipline. Proper programming style and techniques are presented. The FORTRAN programming language is used. Engineering problems are investigated using structured programming and commercially available mathematics software. Prerequisite: MTH 190 Pre-calculus Mathematics, or equivalent.

**EGR 211 Engineering Mechanics – Statics**

3 hours. Offered 1996-97. Quantitative description of forces, moments and couples acting upon engineering structures. The free-body diagram is used to understand the equilibrium of a whole physical system through isolation of each component particle or body. Prerequisites: MTH 201 Calculus I, and PHY 211 General Physics with Calculus.

**EGR 212 Engineering Mechanics – Dynamics**

3 hours. Offered 1996-97. Dynamics mathematically describes the motions of bodies under the action of forces. The first part introduces kinematics, which deals with the geometry of motion without considering applied forces. The second part, kinetics, relates the forces on bodies to the resulting motions. Prerequisites: MTH 202 Calculus II, and EGR 211 Engineering Mechanics – Statics.

**EGR 261 Circuit Analysis I**

4 hours. Offered 1997-98. Basic concepts of DC and AC electrical circuits. Voltage-current relationships for circuit elements, Kirchhoff's laws, Thevenin and Norton theorems, basic transient and sinusoidal steady-state analysis, and measurement concepts. Three lectures and one laboratory per week. Prerequisite: MTH 202 Calculus II.

**EGR 262 Circuit Analysis II**

4 hours. Offered 1997-98. Steady-state AC circuits, both single and polyphase. Resonance, mutual inductance, operational amplifier and applications. Two-port networks, Fourier and Laplace transform techniques. Three lectures and one laboratory per week. Prerequisite: EGR 261 Circuit Analysis I.

**EGR 311 Thermodynamics**

3 hours. Offered 1997-98. Classical treatment emphasizing the first and second laws of thermodynamics and their application to closed and open (control volume) systems undergoing steady and unsteady processes. Tabular and graphical thermodynamic property data are used in analytical work. Prerequisite: MTH 202 Calculus II, and PHY 212 General Physics II with Calculus.

**EGR 322 Strength of Materials**

3 hours. Offered 1996-97. Behavior of deformable body systems under various external loadings is presented. Analyses of stress, deformation, strain, failure, fatigue and creep are included. Mathematical, graphical and energy methods are utilized. Prerequisite: EGR 211 Engineering Mechanics—Statics.

**EGR 331 Logic Design**

3 hours. Offered 1996-97. Binary number systems and data representation. Boolean algebra and logic devices. Combinational logic circuits and design methods. Memory elements. Sequential logic circuits and design methods.

**EGR 352 Instrumentation**

4 hours. Offered 1996-97. Major elements of measurement systems are covered, with an emphasis on dynamic measurements. These systems include transducers, signal conditioning, computer interfacing and output devices. Applications include displacement, motion, force, torque, pressure, flow and temperature. Prerequisites: MTH 202 Calculus II and either PHY 202 General Physics or PHY 212 General Physics with Calculus.

**EGR 275/475 Field Experience**

1-4 hours. Supervised experience with an off-campus industry, business or institution where the student is working in some engineering-related discipline.

**ENGLISH AS A SECOND LANGUAGE**

**ESL 005 Conversation Tutorial**

1 hour. Each student is paired with an American student for conversation, orientation to life in a new culture, and optional academic tutoring.

♦ **LEVEL A (BEGINNING AND LOW INTERMEDIATE)**

**ESL 055 Reading**

4 hours. A course designed to teach basic reading skills and vocabulary.

**ESL 060 Writing and Grammar**

4 hours. An introduction to the fundamental structure and vocabulary of the English language, focusing on the development of writing skills.

**ESL 065 English by Video**

2 hours. Offered spring semester. A practical course in which students develop English skills through reading, writing, speaking and listening based on various types of videos.

**ESL 070 ESL Freshman Experience**

2 hours. Offered fall semester. An introduction to life at George Fox University. Through various group activities, beginning/low intermediate-level students learn about life on campus, Christianity and chapel, study skills, and use of library resources. Students explore aspects of American culture and Oregon geography and history in food labs, field trips, and group projects. This course provides many opportunities for students to use English in communication and to practice language skills consistent with their level.

**ESL 075 Speaking and Listening**

4 hours. A course designed to introduce and develop basic academic speaking and listening skills, with emphasis on conversation, discussion and short speeches. Vocabulary, pronunciation, grammar and cultural issues are addressed within the context of a variety of discussion topics. Listening laboratory is required.

♦ **LEVEL B (INTERMEDIATE)**

**ESL 125 Academic Reading**

4 hours. This course concentrates on developing students' academic reading skills. Vocabulary, reading speed and comprehension, and strategies for reading college-level textbooks are systematically developed. Students also become familiar with the process of

library research and the use of paraphrase and summary. Reading lab and vocabulary lab are required.

**ESL 135 Speech, Listening and Notetaking**

4 hours. This course provides training and practice in academic speaking and listening. Students give various types of formal speeches and learn strategies for taking accurate and comprehensive notes from academic lectures.

**ESL 145 Writing and Grammar**

4 hours. In this course, students learn to write various styles of essays and are introduced to the process of writing a research paper. Instruction focuses on organization, grammar and usage, punctuation, spelling, and format.

**ESL 170 ESL Freshman Experience**

2 hours. Offered fall semester. An introduction to life at George Fox University. Through various group activities, intermediate-level students learn about life on campus, Christianity and chapel, study skills, and use of library resources. Students explore aspects of American culture and Oregon geography and history in food labs, field trips and group projects. This course provides many opportunities for students to use English in communication and to practice skills consistent with their level.

**ESL 185 Introduction to Christianity**

2 hours. Offered spring semester. Through video, readings and class discussion, students are introduced to the life of Christ and the foundations of Christianity. This course also provides a context for practice of English listening, reading, speaking and writing skills.

♦ **LEVEL C (ADVANCED)**

**ESL 225 Adjunct Reading**

3 hours. An intensive course to improve academic reading skills, including vocabulary, reading speed, reading strategies and test taking. Assignments are based on class texts from HST 102 (fall semester) and SOC

150 (spring semester), in which students are concurrently enrolled. Reading lab and vocabulary lab are required.

**ESL 235 Speech**

3 hours. A practical course to help students improve their academic speaking skills, with emphasis on formal speeches, group presentations, small group interaction and pronunciation.

**ESL 245 Academic Writing**

5 hours. This course provides instruction and practice in the types of writing commonly found in college courses, including the research paper, essays and essay exams, and reaction papers. Process, organization and mechanics are emphasized. Principles of advanced English grammar and usage are applied in writing assignments.

**ESL 255 Adjunct Listening**

3 hours. This course cultivates skills of listening and notetaking in academic lectures, including identifying main ideas and distinguishing supporting information, understanding relationships among ideas, and taking notes that reflect this understanding. Assignments are based on lectures from HST 102 (fall semester) and SOC 150 (spring semester), in which students are concurrently enrolled. Video lab and group tutorial are required.

♦ **TRANSITION**

**ESL 295 Writing Tutorial**

1 hour. Students in their first semester after completing the ELI and new students who score between 500 and 550 on the TOEFL meet individually with a faculty member to improve their ability to write in English and to develop more effective study strategies.

♦ **REGULAR COURSE**

**ESL 285/485 Selected Topics**

3 hours. Occasional special courses chosen to fit the needs and interests of students interested in teaching English as a Second Language.

## FAMILY AND CONSUMER SCIENCES

### FCS 120 Apparel Construction

3 hours. Applies basic construction and fitting techniques to produce high-quality garments, properly fitted and aesthetically pleasing. The principles of fabric selection, the use and altering of commercial patterns, and the use of the sewing machine, serger and other sewing equipment are emphasized. Laboratory class. Open to all students.

### FCS 211, 212 Foods I, II

3 hours each semester. Examines the components of foods, including their selection, classification and interactions in food preparation. Laboratory experience included.

### FCS 220 Fashion and Society

2 hours. A survey of the nature, symbolism and process of fashion. Course will emphasize the cultural, sociological, psychological, economic and aesthetic influences of fashion.

### FCS 230 Textiles Science

3 hours. Offered 1997-98. Surveys the sources and properties of natural and man-made polymers; yarn and fabric construction; colorations and finishes. Emphasis on fabric selection, use and care; labeling legislation and economics; and the consumer's role in influencing textile and clothing legislation. Laboratory experience included.

### FCS 250 Residential Equipment

2 hours. Offered 1997-98. A study of the design, construction, use and contemporary technology behind the selection of major and small equipment designed for home use.

### FCS 275 Field Experience

1-4 hours. Supervised experience with an off-campus industry, business or institution where the student is observing and working with a professional. Permission of instructor required.

### FCS 280 Marriage and the Family

3 hours. A focus on relationships and issues in marriage and family development covering in Christian perspective such topics as families in cultural context, American family development, the married pair, parenting, the empty nest, widowhood and singleness. (Identical to SOC 280 and HEA 280.)

### FCS 285/485 Special Topics

1-4 hours. Topics reflecting the special interest of students and faculty.

### FCS 290 Meal Management

2 hours. Offered 1996-97. The planning, purchase, preparation and service of foods. Emphasis on time, energy and money management, along with the nutritional needs of individuals and families. Laboratory included. Prerequisite: FCS 211, 212 Foods I, II, or instructor's permission.

### FCS 300 Nutrition

3 hours. A study of nutrients present in food and their relation to the nutritive needs of the human body. Emphasis on the young adult, along with discussion of contemporary nutrition-related topics of national and global concern. Computer-assisted dietary analysis included. (Identical to HEA 300.)

### FCS 310 Food, Culture and Society

3 hours. The social, economic and religious influences of global food patterns are examined from regional perspectives. Two lectures and one laboratory per week.

### FCS 311 Human Development: Infancy to Adolescence

3 hours. A study of physical, intellectual, personality, social and moral development from the prenatal period to adolescence. (Identical to PSY 311 and SWK 311.) Prerequisite: PSY 150 General Psychology.

### FCS 320 Fashion Merchandising

3 hours. Offered 1997-98. An introduction to the merchandising of ready-to-wear fashion. Organization and marketing activities of the textile and apparel industries. Analysis of the marketing channel and the product/service mix of textile and apparel manufacturers. Course includes an emphasis in visual merchandising.

### FCS 330 Residential Architecture

2 hours. Offered 1997-98. A study of housing trends and the psychological, social and economic needs of various family types. Site selection, planning, and construction of housing emphasized. Computer-assisted design included.

### FCS 340 Current Trends in Food

3 hours. Offered 1997-98. A study of current American food patterns affecting consumers and industry. Course will investigate the history of American food, along with influences molding contemporary trends and individual perceptions. Two lectures and one laboratory period per week.

### FCS 350 Resource Management

2 hours. Offered 1996-97. A study of resource allocation (time, money, energy) and its relationship to attainment of desired values, goals and standards. Emphasis is placed on the application of management principles individually and within the family.

### FCS 351 Interior Design I

3 hours. Application of the elements of art and principles of design in planning and selecting materials and furnishings for the living environment. Emphasis on developing plans using available resources to fulfill the goals of the family while providing a functional and aesthetically pleasing interior design. Includes a section on historical furniture.

**FCS 352 Interior Design II**

2 hours. Offered 1996-97. Emphasis on the knowledge and skills needed for a career in interior design merchandising, both private and professional. Requirements will include developing a portfolio for a client and computer-assisted design and drafting (CADD). Prerequisites: FCS 351 Interior Design I, or instructor's permission.

**FCS 360 Consumer Buying**

3 hours. Offered 1996-97. Analysis of the consumer in the marketplace. Course defines contemporary consumption patterns and uses the decision-making process to familiarize the consumer with appropriate resource allocation to attain desired goals.

**FCS 370 Pattern Drafting and Apparel Design**

3 hours. Offered 1997-98. Studies flat pattern and draping techniques and variations as they relate to garment design. Each student will produce an original pattern through flat pattern or draping techniques, sew original design in half-scale, construct design in full-scale, and model design in style show. Prerequisite: FCS 120 Apparel Construction.

**FCS 385 Evolution of World Dress**

3 hours. Important events in history, combined with values, technology and conflict, have influenced dress from 3000 B.C. to the 1900s. The origins of dress are analyzed from the ancient world to the Middle Ages to the periods identified as Renaissance, Baroque and Rococo and terminating with clothing styles from the 19th century. A section will be devoted to Eastern world dress, including Japanese, Chinese, Indian and Korean.

**FCS 410 Leadership of Student Organizations**

1 hour. Offered 1997-98. Practical experience in leading a Future Family and Community Leaders (formerly FHA/HERO) chapter within a public school in the area will be the main emphasis. Required for family and consumer sciences teaching majors. Prerequisite: Permission of the instructor.

**FCS 420 Fashion Retailing**

3 hours. Offered 1996-97. Principles of retailing as applied to fashion-oriented soft goods. Managing merchandise inventory through planning, procurement and promotion at the retail level. Emphasis on centralized buying, sales forecasting, inventory control, vendor analysis, negotiations and pricing. Quantitative analysis of inventory planning, pricing and control within a profitable retail organization.

**FCS 430 Nutrition and the Life Cycle**

3 hours. Offered 1997-98. Application of human nutrition to different stages of the life cycle, from conception to the senior years. Emphasis on dietary needs connected with contemporary health issues. Lecture and individualized research. Prerequisite: FCS 300 Nutrition, or permission of the instructor.

**FCS 440 Early Childhood Education Practicum**

2 hours. Offered 1996-97. A study of basic principles and techniques applicable to planning curriculum and teaching preschool children. Observation and participation in a preschool center included. Prerequisite: FCS 311 Human Development: Infancy to Adolescence.

**FCS 475 Field Experience**

1-4 hours. Supervised experience with an off-campus industry, business or institution where the student is observing and working with a professional. Permission of instructor required.

**FCS 490 Senior Seminar**

3 hours. Offered 1996-97. A capstone course for those anticipating entrance into family and consumer sciences-related careers. The emphasis will be on careers in family and consumer sciences; planning and giving demonstrations and an audiovisual presentation; writing behavioral objectives that are measurable; and building resource files. Prerequisites: Junior or senior standing or permission of the instructor.

**FRENCH**

**FRE 101, 102 First-Year French**

3 hours each semester. Offered 1997-98. A study of the structures of the French language, with practice in listening, speaking, reading and writing. The cultures of France and French-speaking countries of the world are presented as integral aspects of learning the language. Cassette tape listening and interaction are required.

**FRE 201, 202 Second-Year French**

3 hours each semester. Offered 1996-97. An in-depth review of French structures, with intensive oral and written exercises designed to help the student acquire an accurate use of the language. Cassette tape listening and interaction are required. Prerequisite: FRE 102 First-Year French, or two years of high school French, or by testing.

**FRE 275/475 Field Experience**

1-10 hours. Supervised experience in a situation demanding extensive use of French. Admission and credit hours determined by instructor.

**FRE 285/485 Selected Topics**

2-4 hours. Occasional special courses chosen to fit the needs and interests of students and faculty.

**FRE 301, 302 French Composition and Conversation**

3 hours each semester. Offered 1997-98. Systematic review of French grammar and development of proficiency in conversation and composition. Interaction is required. Prerequisite: FRE 202 Second-Year French, or three or four years of high school French, or by testing.

**FRE 310 French Survey of Literature**

3 hours. Offered 1996-97. Study of representative works from the Middle Ages to the present. This course will introduce the student to the masters of French literature. Taught in the French language. Prerequisite: FRE 202 Second-Year French, or equivalent.

**FRE 350 French Culture and Civilization**

3 hours. Offered 1996-97. An introduction for the student who wants to develop an appreciation and understanding of the culture and civilization of the

French people. This course will help the student prepare for travel, study and/or mission work in any French-speaking country. Prerequisite: FRE 202 Second-Year French, or equivalent.

**FRE 495 Individual Research or Field Work**

1-4 hours. Individual study under the guidance of a faculty member, as determined by student needs and faculty availability. Students must have permission of the faculty member to enroll.

**GENERAL EDUCATION**

*The following list includes both required general education courses and cross-disciplinary elective courses that serve particular purposes.*

**GED 100 Effective College Learner**

1 hour. A course related to the Academic Success Program through which personal confidence is enhanced by instruction in study skills, methods and tools used by successful college students. It may be taken during the spring semester by students not in the Academic Success Program.

**GED 101, 102 Literature of the Old and New Testaments**

3 hours each semester. Using selected books and portions, the Old and New Testaments will be studied with attention given to historic contexts and to the tools useful in biblical study. The major religious themes of the Bible and their literary forms also will constitute an important part of the year's work. Freshmen are required to take this course, or a three-hour lower-division Bible elective given a superior placement examination.

**GED 110 The World of Music**

2 hours. This course acquaints the liberal arts student with a broad range of musical styles reflecting diverse cultures, including classical, jazz and popular music. Various composers, performers, and their music are listened to and studied.

**GED 130 Freshman Seminar**

1 hour. Members of the entire entering freshman class select a small seminar-style topical course for the first five weeks of fall semester, meeting weekly with a faculty advisor and a returning student peer advisor. Selected topics and issues introduce students comfortably to the academic and social life of the University community. Required of all first-time freshmen.

**GED 271, 272 Sophomore Honors Colloquium**

**GED 371, 372 Junior Honors Colloquium**

1 hour each semester. This is one combined course, with students registering at their current class level. Discussion of literary, philosophical, theological, and/or public themes from selected books, together with appropriate retreats, activities or excursions, occasionally enriched by visiting resource people. Prerequisite: Consent of instructors and the Intensified Studies Committee.

**GED 210A Career Alternatives**

1 hour, 1/2 semester. This course is designed to provide a basis for lifelong career decision making. Completing self-awareness instruments, researching and analyzing career options, and exploring the meaning of work and trends in the workplace will enable the student to set career goals and more confidently select a major field of study.

**GED 210B Employment Strategies**

1 hour, 1/2 semester. This course is designed to solidify the basis for lifelong career decision making. A career identity, including talents, values and interests, will be reaffirmed, and a specific career direction established. Job placement strategies, such as résumé writing, interviewing, job search, and making a transition, are addressed.

**GED 220 Survey of Art**

2 hours. A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms. Recommended for the sophomore year or above.

**GED 240 Perspectives in Education**

2 hours. An overview of history and social issues in education and an exploration of teaching as a career. Introduction to the teacher education program at George Fox University. Includes 30 class hours of field experience. Sophomore or junior standing required. Required for elementary and secondary teaching majors.

**GED 375 Cultural Experience**

Maximum 12 hours. Supervised experience in a cultural setting that contributes to the educational goals of the student. This may include, but is not limited to, Juniors Abroad study tours. Prerequisite: Consent of advisor and school dean.



## GEOGRAPHY

### **GEO 200 Cultural Geography and Global Relationships**

3 hours. A study of the world's cultural regions developed through the themes of location, human environmental relationships, movement and regions, with emphasis on the interrelatedness of culture, physical, economic, historical and political geography in creating the dynamic cultural landscapes existing today. (Identical to INS 200.)

## GERMAN

### **GER 101, 102 First-Year German**

3 hours each semester. Offered on sufficient demand. A study of the structures of the German language, with practice in listening, speaking, reading and writing. The cultures of Germany and German-speaking countries are presented as integral aspects of learning the language. Language lab listening and interaction are required.

### **GER 201, 202 Second-Year German**

3 hours each semester. Offered on sufficient demand. A thorough review of German language structures, with extensive practice in reading and speaking. Students read short stories and articles and present oral and written reports. Language lab listening and interaction are required. Prerequisite: GER 102 First-Year German, or two years of high school German, or by testing.

## GREEK

### **GRE 201, 202 Hellenistic Greek I**

4 hours each semester. Offered 1997-98. A beginning course in the Greek of the New Testament, including vocabulary, grammar, declensions, conjugations and special constructions. The First Epistle of John and various other selections from the New Testament are read. The second semester may be applied as biblical studies major credit.

## GENERAL SCIENCE

### **GSC 120 Foundations of Earth Science**

3 hours. An introduction to modern concepts of geology, meteorology and astronomy. Topics include plate tectonics, earthquakes, volcanoes, mountain building, landslides, dinosaurs, hurricanes, tornadoes, floods, oceans and coastlines, planets and stars. Two lectures and one laboratory per week.

### **GSC 130 Fundamentals of Geology**

3 hours. A systematic study of planet earth. The nature and origin of common minerals, rocks and geologic structures. Topics will include geology of the earth's crust, plate tectonics, the geology of Oregon, ground water contamination, and geologic hazards such as volcanoes, earthquakes, erosion, landslides and flooding. This course meets general education requirements and requires no previous knowledge of geology. Two lectures, one two-hour laboratory per week, and two daylong field trips.

### **GSC 285/485 Selected Topics**

3 hours. A variety of topics may be offered to meet the special needs and interests of students, faculty or visiting professors.

## HEBREW

### **HBW 201, 202 Introduction to Biblical Hebrew**

4 hours each semester. Offered 1997-98. The language of ancient Israel as preserved in the Hebrew Bible is encountered inductively through the study of the text of Esther. Mastery of basic vocabulary, grammar and syntax of narrative Hebrew prose is the goal of this two-semester sequence. The second semester may be applied as biblical studies major credit.

## HEALTH EDUCATION

*Additional courses are listed under Human Performance.*

### **HEA 200 Lifestyle Management**

3 hours. Offered 1997-98. The basic principles of healthful living, with emphasis on the prevention of health problems, effects of lifestyle on health, and the individual's responsibility in determining his or her own health status.

### **HEA 210 Drug Education**

2 hours. Problems concerned with the use, misuse and abuse of selected pharmacological agents. Social, psychological, physical and moral implications are considered. Particular consideration is given to ergogenic aids in athletics.

### **HEA 230 First Aid and Safety**

2 hours. Instruction in first aid and safety using the Responding to Emergencies curriculum of the American Red Cross, and leading to the American Red Cross certification in first aid and CPR.

### **HEA 240 Stress Management**

3 hours. Offered 1997-98. A study of causes, symptoms and results of stress. Introduces practical techniques to alleviate stress, promote relaxation, and encourage a healthy lifestyle.

### **HEA 280 Marriage and the Family**

3 hours. A focus on relationships and issues in marriage and family development, covering in Christian perspective such topics as families in cultural context, American family development, the married pair, parenting, the empty nest, widowhood and singleness. (Identical to SOC 280 and FCS 280.)

### **HEA 300 Nutrition**

3 hours. A study of nutrients present in foods and their relation to the nutritive needs of the human body. Emphasis on the young adult, along with discussion of contemporary nutrition-related topics of national and global concern. Computer-assisted dietary analysis will be included. (Identical to FCS 300.)

### **HEA 310 School Health Program**

3 hours. Purposes and procedures of health services and instruction in the schools. Special emphasis on construction of health teaching units and selection of methods and materials.

### **HEA 320 Contemporary Health Issues**

3 hours. Offered 1996-97. A study of our nation's current health problems and concerns. Emphasis on health

consumerism, sexuality, diseases, the sanctity of life, and nutrition. Goal is to develop an educated view on current health issues.

### **HEA 285/485 Selected Topics**

1-3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

## HUMAN PERFORMANCE

*Additional courses are listed under Health Education.*

### **HHP 200 History and Principles of Physical Education**

2 hours. Offered 1996-97. A survey of the history and development of physical education and athletics in America. The course will also emphasize fundamental principles of physical education and sport.

### **HHP 221 Basketball/Golf**

1 hour. Offered 1996-97. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy for basketball and golf.

### **HHP 222 Field Sports**

1 hour. Offered 1996-97. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy. Flag football, soccer, speedball and kerfball are emphasized.

### **HHP 223 Tumbling/Gymnastics**

1 hour. Offered 1997-98. Intermediate to advanced instruction in skills, teaching techniques, spotting and safety factors involved in tumbling and gymnastics.

### **HHP 224 Softball/Track**

1 hour. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy for softball and track.

### **HHP 226 Tennis/Volleyball**

1 hour. Offered 1997-98. Intermediate to advanced skills and techniques, with emphasis on learning how to teach basic skills and drills. Tournament organization and game administration are included.

### **HHP 227A Aquatics: Lifeguarding**

1 hour. Advanced skills in water safety, rescue and stroke technique. Red Cross Lifeguarding Certification is offered. Prerequisite: Instructor approval.

**HHP 227B Aquatics: Water Safety**

**Instruction**

2 hours. Advanced skills in water safety and stroke instruction techniques. Red Cross Certification is offered. Prerequisites: Current CPR, First Aid, Basic Water Safety, Emergency Water Safety, and instructor's approval.

**HHP 228 Conditioning/Body Mechanics and Aerobics**

1 hour. Offered 1997-98. Instruction in concepts related to developing and maintaining physical fitness and movement skills.

**HHP 229 Folk and Western Dance**

1 hour. Instruction in basic and intermediate skills in rhythmic activities, international folk dance and Western dance.

**HHP 231 Developmental Activities, Games and Stunts**

1 hour. Emphasis on teaching and development of mechanics of movement, games of low organization, fundamental sports skills, stunts and tumbling, and self-testing activities.

**HHP 232 Recreational Games, Badminton and Archery**

1 hour. Offered 1996-97. Intermediate to advanced instruction in skills, teaching techniques, rules and strategy for archery, badminton and recreational games.

**HHP 295 Special Study**

1-3 hours. Individual research under the guidance of the faculty. Prerequisite: Consent of the instructor.

**HHP 300 Coaching Theory and Practice**

2 hours. Offered 1996-97. The development of a philosophy of coaching. Emphasizes the psychological, sociological and technical aspects of athletic participation.

**HHP 310 Coaching Basketball**

2 hours. Offered 1997-98. An analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed. Prerequisite: Consent of the instructor.

**HHP 320 Coaching Baseball/Softball**

2 hours. Offered 1996-97. A study of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed. Prerequisite: Consent of the instructor.

**HHP 330 Coaching Soccer**

2 hours. Offered 1997-98. An analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed. Prerequisite: Consent of the instructor.

**HHP 340 Coaching Track**

2 hours. Offered 1997-98. A study of the techniques and principles of coaching each event. The organization of practice sessions and the strategy for—and administration of—track meets are discussed. Prerequisites: HHP 224 Softball/Track, varsity experience, and consent of the instructor. USA Track and Field Level I Coaching Certification is available.

**HHP 350 Coaching Volleyball**

2 hours. Offered 1996-97. An analysis of systems of play, principles of offense and defense, and strategies of the game. Organization of practice sessions, administration of games, and techniques of scouting are stressed. Prerequisite: Consent of the instructor.

**HHP 360 Organization and Administration of Health and Physical Education**

2 hours. Offered 1996-97. Instruction in the planning and implementation of health, physical education and athletic programs. Course content will include curriculum design, budget formation, facility design and coordination. Professional conduct and ethics will be stressed.

**HHP 365 Current Issues in Athletic Training**

1 hour. A seminar designed for athletic training majors. Topics to be discussed include case studies, new technology, and topics of interest. Emphasis will be on current research. Course is taken twice. Prerequisite: HHP 390 Care and Prevention of Athletic Injuries.

**HHP 370 Camp Programming and Counseling**

3 hours. Offered 1997-98. A camping overview: its historical development and philosophy. Types of camps, program activities, teaching-learning models, leadership recruitment and training—with special emphasis on methods of camp counseling—are covered. Overnight campout is required. (Identical to CHM 370.)

**HHP 375 Athletic Training Practicum**

1 hour. Supervised experience in an athletic training environment. Additional study required, with an emphasis on a body region. Course to be repeated each semester. Prerequisite: HHP 390 Care and Prevention of Athletic Injuries, consent of the instructor. (3 hours required.)

**HHP 380 Recreational Leadership**

2 hours. A study of leadership styles, techniques and methods in the field of recreation. The course also will include practical information on the construction and operation of intramural programs in a variety of settings.

**HHP 390 Care and Prevention of Athletic Injuries**

2 hours. An introductory survey of athletic training. Emphasis will be on legalities, terminology, injury evaluation, rehabilitation, and emergency care procedures. Common taping techniques also will be presented.

**HHP 400 Recognition of Athletic Injuries**

2 hours. Course will examine "normal" human anatomy, mechanisms of athletic injury, and deviation from "normal" anatomy in an athletic injury. Practice time will be given on techniques of evaluation. Prerequisites: BIO 221, 222 Human Anatomy and Physiology, HHP 390 Care and Prevention of Athletic Injuries.

**HHP 410 Therapeutic Exercise and Modalities**

3 hours. Course will examine exercise procedures and modality uses as they apply to the rehabilitation of the injured athlete. Course will incorporate practice time as well as participation in the rehabilitation of athletes in the training room. Prerequisite: HHP 390 Care and Prevention of Athletic Injuries.

**HHP 430 Exercise Physiology**

3 hours. Offered 1997-98. Application of principles of physiology to physical activity. Special attention is given to the effect of exercise on the various body systems and the construction of training programs. Prerequisite: BIO 221, 222 Human Anatomy and Physiology.

**HHP 440 Camp Administration**

2 hours. Offered 1997-98. Designed to develop a basic understanding of programming, business and leadership at an administrative level. A weekend camping trip is required. (Identical to CHM 440.)

**HHP 450 Kinesiology**

3 hours. Offered 1996-97. Application of human anatomy and physical laws to the explanation of movement activities. Special emphasis is given to detailed analysis of various sports activities. Prerequisite: BIO 221, 222 Human Anatomy and Physiology.

**HHP 460 Physical Education for the Exceptional Student**

3 hours. Offered 1996-97. This course considers the nature and etiology of handicapping conditions, as well as the implica-

tions for and development of appropriate physical education programs.

**HHP 470 Motor Development and Motor Skill Learning**

3 hours. A study of the development of motor skills. Psychological principles of learning are applied to motor skill learning. A review of research and an inquiry into the effect of various conditions on the learning and performance of motor skills from early childhood through the adult years.

**HHP 475 Fitness Management Field Experience**

9 hours. Supervised field experience for senior human performance majors in the fitness management major track. Field experience takes place in a variety of settings, including health clubs, YMCAs, cardiac rehabilitation programs, nutritional centers, senior citizen centers, and community recreation programs. By permission only, with application made one semester in advance of placement.

**HHP 480 Tests and Measurements in Physical Education**

2 hours. Offered 1996-97. Emphasis is given to methods of evaluation in programs of physical education. Testing procedures, standard tests, physical examinations and evaluation activities are discussed. Prerequisite: PSY 340 Statistical Procedures.

**HHP 485 Selected Topics**

2-3 hours. A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

**HHP 490 Senior Seminar**

1 hour. Discussion of current issues in health, physical education and athletics. Senior thesis is required.

**HHP 495 Special Study**

1-3 hours. Individual research under the guidance of the faculty. Prerequisite: Consent of the instructor.

**HPA 100-139/300-339 Human Performance Activities**

1 hour. Three hours of credit required for graduation. (One hour of health education may be applied to the required three hours.) Instruction in fundamental skills, rules and strategy. Personal selection may

be made from a variety of sports, recreational and leisure-time activities as they are scheduled each semester.

**HPA 125 Adapted Activities**

1 hour. Three hours of credit required for graduation. Offered to those students who are unable to participate in regular physical education activities because of physical limitations. A statement from the student's physician is required.

**HPA 145/345 Intercollegiate Athletics**

1 hour. Two credits toward the physical education general education requirement may be earned in athletics, but no more than one hour in any one sport may be counted toward the requirement.

**HISTORY**

**HST 101 Western Civilization to 1789**

3 hours. A study of the development of Western civilization from ancient to early modern times, including attention to the origins and development of religious, political and economic life and ideas.

**HST 102 America and the World**

3 hours. A study of Western civilization during the last two centuries, with emphasis on the United States, including development of its democratic institutions and capitalistic economic system, and its 20th-century role as a world leader.

**HST 220/420 War and Conscience in the United States**

3 hours. Offered 1997-98. An exploration of American thought on the subject of war, both today and in past crises such as the American Revolution, Civil War, wars with the Indians, the world wars, Vietnam, and the Gulf War; a study of the official position major church bodies have taken in regard to war; and the experiences of individuals who refused to fight. (Identical to PSC 220/420.)

**HST 310 Herbert Hoover**

1-2 hours. Offered 1997-98. A seminar associated with the biennial Herbert Hoover Symposia at George Fox University, offering opportunities for topical reading and research.

**HST 330 The American West**

3 hours. Examines the relationship of the American West to the rest of the nation through its exploration, settlement and development. Special attention is given to the Pacific Northwest and to the Native American experience.

**HST 331 England to 1688**

3 hours. Offered 1997-98. The growth of the English nation from Roman times to the Glorious Revolution, with special attention given to constitutional and religious development.

**HST 332 England Since 1688**

3 hours. Offered 1997-98. England in the modern age, emphasizing the response of its institutions to its rapidly changing role in the European and world communities.

**HST 340 American Economic and Social History**

3 hours. Offered 1997-98. Major economic trends and their social consequences, with emphasis on the growth of free enterprise, the tendency toward government subsidization of industry, major reform movements, and the impact of immigration upon the United States.

**HST 350 Latin America**

3 hours. Offered 1996-97. Latin American countries from colonial times to the present, with an emphasis on the conditions that have led to the crises of recent years.

**HST 360 Modern Russia**

3 hours. Offered 1997-98. A study of 20th-century Russia and other former Soviet republics, with emphasis on their current significance in the world and the factors in their history that brought the Revolution of 1917 and the collapse of the Soviet Union.

**HST 370 Far East**

3 hours. Offered 1997-98. Political and cultural developments of the major Far Eastern countries.

**HST 380 The African-American Experience in the United States**

3 hours. A study of Africans in an America dominated by those of European descent.

**HST 390 Peace Research**

1-3 hours. Directed research on peace subjects, both current and historical. Students will normally write a major research paper. (Identical to PSC 390.)

**HST 401 Christianity in History**

3 hours. Offered 1997-98. The development of Christianity from its appearance within the Greco-Roman world through the medieval period, and its influence as a base for culture in the West. (Identical to REL 401.)

**HST 402 Christianity in History**

3 hours. Offered 1997-98. Christianity's development from the dawn of the Protestant Reformation through its global spread during the modern era, observing its historical context and relationship to the surrounding cultures. (Identical to REL 402.)

**HST 421 Europe 1789-1890**

3 hours each term. Offered 1996-97. European political, economic, cultural and intellectual developments from the French Revolution to the fall of Bismarck.

**HST 422 Europe 1890-Present**

3 hours. Offered 1996-97. Europe in the 20th century, with emphasis on the upheavals of the two world wars and the status of the European states today.

**HST 430 The Vietnam Experience**

3 hours. Offered 1996-97. A study of the culture and counterculture of the 1960s and early 1970s, particularly as impacted by the war in Vietnam; a study of patriotism and protest.

**HST 440 History of Africa**

3 hours. Offered 1997-98. A study of the history and culture of Africa from the 15th century to the present, with emphasis on the last 200 years. Native cultures are examined, as is the role of European and Middle Eastern imperialism in the shaping of modern Africa.

**HST 470 The Reformation Era**

3 hours. Offered 1996-97. The political, social and religious life of Europe from the beginning of the Renaissance to the Peace of Westphalia, with emphasis on the various reform movements and their impact on the modern world.

**HST 475 Field Experience**

2-10 hours. Supervised experiences in museums, historical societies and government agencies. For upper-division history majors only, by permission.

**HST 481 American Thought and Culture to 1865**

3 hours. Offered 1996-97. Major cultural and intellectual themes from 1607, with particular emphasis on the Puritans, the Enlightenment and revivalism.

**HST 482 American Thought and Culture Since 1865**

3 hours. Offered 1996-97. Major cultural and intellectual themes in American life since the Civil War, including pragmatism, Protestant liberalism, fundamentalism, political liberalism and conservatism, feminism, and modern evangelicalism.

**HST 485 Selected Topics**

3 hours. Occasional special courses scheduled to fit the interests of students and faculty and the needs of a shifting society. A course in presidential elections is offered in presidential election years.

**HST 490 History Seminar**

3 hours. Required of history and social studies teaching majors. The course examines the methods professional historians use in writing history and the main currents in American historiography through the reading of America's most influential historians. Working closely with the instructor, students are required to write a research paper based on primary sources. The paper will be permanently retained by the history faculty.

**HST 495 Special Study**

1-3 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper-division history majors only, by permission.

**INTERNATIONAL STUDIES**

**INS 200 Cultural Geography and Global Relationships**

3 hours. A study of the world's cultural regions developed through the themes of location, human environmental relationships, movement, and regions, with emphasis on the interrelatedness of culture, physical, econom-

ic, historical and political geography in creating the dynamic cultural landscapes existing today. (Identical to GEO 200.)

**INS 310 Cultural Anthropology**

3 hours. A comparative study of world societies and their ways of life. (Identical to SOC 310.)

**INS 330 Introduction to the World Christian Movement**

3 hours. Offered 1996-97. The biblical basis and history of missions are considered, with a special focus upon the modern missionary movement of the last 200 years. (Identical to REL 330.)

**INS 340 International Relations**

3 hours. Offered 1996-97. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the problem of sovereignty, the United Nations, and international law. (Identical to PSC 340.)

**INS 350 International Trade and Finance**

3 hours. Offered 1996-97. The theory and practice of international trade, economic cooperation, foreign exchange, and international finance and financial institutions. (Identical to ECO 350.)  
Prerequisite: ECO 201 Principles of Economics, or consent of the instructor.

**INS 440 World Religions**

3 hours. Offered 1996-97. A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Islam, Hinduism and contemporary kinds of alternative religion. (Identical to REL 440.)

**INS 475 Culture-Oriented Field Work**

3-12 hours. Supervised experiences in a non-American culture. For upper-division international studies majors or minors only, by permission.

**INS 490 International Studies Senior Seminar**

3 hours. Required of senior international studies majors, the course emphasizes the investigation of theoretical and current applications of interdisciplinary research in international studies. Students with a significant interest in international issues are welcome, with the consent of the instructor. A research paper based upon primary source materials is the main assignment of the course.

**JAPANESE**

**JPN 101, 102 First-Year Japanese**

3 hours each semester. A study of the structures of the Japanese language, with practice in listening, speaking, reading and writing. The culture of Japan is presented as an integral component of language study.

**JPN 201, 202 Second-Year Japanese**

3 hours each semester. A thorough review of Japanese language structures, with intensive practice in reading, speaking and writing. Language lab listening and interaction are required. Prerequisite: JPN 102 First-Year Japanese, or two years of high school Japanese, or by testing.

## LEADERSHIP STUDIES

### **LDR 475 Leadership Experience**

1-2 hours. Designed to provide students with an opportunity to develop their leadership skills through work or volunteer experience. All leadership experience proposals subject to the approval of the leadership studies program directors. Possible placements might include leading a church youth group, directing a social concern project, managing the campus radio station, or serving as a member of student government.

### **LDR 490 Leadership Seminar**

1 hour per semester/4 semesters total. Integrative seminar linking leadership practicum, course work and readings. Topics include servant leadership, transformational leadership, and leadership development. Occasional retreats and other off-campus activities. Prerequisites: Application, instructor approval, 2.5 GPA.

## LITERATURE

### **LIT 100 Introduction to Literature**

3 hours. An introductory course familiarizing students with the major genres, themes and elements of literature.

### **LIT 231 Masterpieces of World Literature, Western**

3 hours. An introduction to selected works in Western literature from the classical to modern periods, stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

### **LIT 232 Masterpieces of World Literature, Non-Western**

3 hours. An introduction to selected works in non-Western literature, stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

### **LIT 240 Understanding Drama**

3 hours. A study of significant plays from the classical period to the present, both as literary works and staged productions, the goal being a deeper understanding and appreciation of drama as a symbolic form. Primary focus is on literary values, with attention also given to the constraints and interpretations embodied in the staging, acting and directing of a play. (Identical to THE 240.)

### **LIT 285/485 Selected Literary Topics**

3 hours. A course offered occasionally whereby professors and students may investigate interesting literary byways. Past selections have included studies in science fiction, the literature of human rights, the short story and the works of particular authors.

### **LIT 320 Literature for Children and Adolescents**

3 hours. A survey of selected books for children and young adolescents. Reading and criticism of picture books, traditional and contemporary fantasy, realistic fiction, poetry, and informational literature. Techniques for writing for children, and manuscript submission with an intent for publication. Primarily for writing and education majors. Does not fulfill general education requirement. By permission of instructor.

### **LIT 331 American Literature to 1900**

3 hours. A selective look at the literature of the United States, from pre-Colonial to 1875. A study of the themes, movements, genres and writers (including minorities) that influenced and were influenced by the growth of the new nation. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

### **LIT 332 American Literature, 1900 to Present**

3 hours. A selective look at the literature of the United States, from 1875 to modern times. A study of the themes, movements, genres and writers (including minorities) that influenced and were influenced by the growth of the new nation. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

### **LIT 340 Poetry**

3 hours. A study of poetry as a distinct literary form, including the major genres of poetry and the strategies for reading and analyzing poems, including the use of figurative language, scansion and symbolism. The course will explore the interaction of form and content and the relationship of text to context. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 350 Literary Criticism**

3 hours. A course that provides students with background information about schools of literary criticism. Students will practice using different critical approaches to writing about literature. Recommended for sophomores and juniors. Prerequisite: Six hours of literature courses or permission of the instructor. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 360 Values Through Story and Myth**

3 hours. A consideration of selected writers and works that attempt to understand, explore and transmit values through narrative. Works considered will range from fiction to nonfiction, including essays, short stories, film, poems and novels. The focus is on issues related to gender, the environment, and the social/political community as they reveal and define our contemporary world and its cultural values structures. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 385 Major Authors**

3 hours. A course that focuses on a major author or authors, changing from year to year according to the professor's expertise. The course considers the different phases of the career and development of the author's art, as well as the appropriate contexts in which she or he wrote, and his or her legacy for later writers. May be repeated for different authors. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 431 English Literature to 1785**

3 hours. A selective look at the literature of the British Isles from Anglo-Saxon times to 1789. Themes, movements and genres will be discussed. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 432 English Literature, 1785 to Present**

3 hours. A selective look at the literature of the British Isles from 1789 through the present. Themes, movements and genres will be discussed. Prerequisite: LIT 100 Introduction to Literature, or consent of the instructor.

**LIT 440 A Study of the Modern Novel**

3 hours. An examination of the modern novel as a distinct literary form. Discussions of such issues as the relationship between novelistic structure and ideology, of social conventions, and conventions of fiction combined with the analysis of important world writers.

**LIT 495 Individual Research**

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of a faculty member.

**MANAGEMENT OF HUMAN RESOURCES**

**MHR 401 Dynamics of Group and Organizational Behavior**

3 hours. Course content focuses on group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on effective decision making and managing and resolving conflict in groups. Students learn strategies for developing high-quality and effective groups. (Identical to MOL 401.)

**MHR 402 Effective Writing**

3 hours. This course is designed to develop one's writing skills. Clear, concise, well-edited writing is emphasized. Course content includes persuasive, narrative and descriptive writing techniques. Three Life-Learning Essays will be written as part of the course requirements. (Identical to MOL

**402.)MHR 403 Organizational Theory and Analysis**

3 hours. The student examines the formal and informal functions of organizations and diagnoses an agency or organization based on a systems model. Organizational problems will be analyzed and solved using a step-by-step method. This analysis may be applied to the student's senior research project. (Identical to MOL 403.)

**MHR 404 Organizational Communication**

3 hours. This course investigates the role communication plays in creating a productive work environment through the human resources department. Course content focuses on verbal and nonverbal communication, effective listening, constructive feedback, and assertiveness in communication. Negotiation strategies are covered through readings and in-class simulations.

**MHR 405A introduction to Survey Research Methods**

1 hour. Students explore purposes for and types of research. Attention is given to planning survey research, including identifying and stating a research problem. (Identical to MOL 405A.)

**MHR 405B Survey Research Methods**

3 hours. Methods for defining, researching, analyzing and evaluating problems are emphasized. Course content includes identifying and measuring objectives, questionnaire construction, and applying descriptive statistical procedures associated with data collection and analysis. (Identical to MOL 405B.)

**MHR 406 Principles of Management and Supervision**

3 hours. This course provides an overview of management and leadership theory and examines the roles of first-line managers in fulfilling the mission and goals of an organization. A master simulation exercise places students in a managerial position throughout the course. Students are expected to apply management theory as they make decisions to solve organizational problems during this simulation. Students examine their own management and leadership skills through reflective exercises. The course also examines fiscal procedures and tools that are used by the human resource manager.



**MHR 407 Christian Faith and Thought**

3 hours. The roots and origins of the Christian faith are investigated, with specific focus on how it relates to one's personal value system. The course also focuses on the Christian faith and how it relates to managing people. (Identical to MOL 407.)

**MHR 408 Human Resources Administration**

3 hours. Students explore the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices regarding recruitment, selection, training and development, and compensation of employees. Attention is given to current regulatory employment issues.

**MHR 409 Values and Ethics in the Workplace**

3 hours. Ethical theory and personal values are used to examine case studies from a variety of organizational settings. Accountability in government, human rights, and ethics in business are covered in readings and classroom discussions. Emphasis is placed on applying ethical principles to issues of concern to the human resource professional.

**MHR 485 Saturday Seminars (6)**

3 hours. Contemporary trends and themes of special interest in the field of management or the liberal arts are discussed. The format for the seminars is varied and informal. Leadership comes from the George Fox University faculty, business and industry, and public leaders. Themes may include personal growth and fulfillment, advances in science and technology, conflict resolution in a competitive world, community service by persons and corporations, and Christian responses to current issues. (Identical to MOL 485.)

**MHR 495 Senior Research Project**

3 hours. Throughout the Management of Human Resources program, students plan, implement and report on a survey research project. The project examines a human resources problem in the student's occupation or environment. Results are published and presented at the conclusion of the program.

**MANAGEMENT AND ORGANIZATIONAL LEADERSHIP**

**MOL 401 Dynamics of Group and Organizational Behavior**

3 hours. Course content focuses on group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on effective decision making and managing and resolving group conflict. Students learn strategies for developing high-quality and productive groups. (Identical to MHR 401.)

**MOL 402 Effective Writing**

3 hours. This course is designed to develop one's writing skills. Clear, concise, well-edited writing is emphasized. Course content includes persuasive, narrative and descriptive writing techniques. Three Life-Learning Essays will be written as part of the course requirements. (Identical to MHR 402.)

**MOL 403 Organizational Theory and Analysis**

3 hours. The student examines the formal and informal functions of organizations and diagnoses an agency or organization based on a systems model. Organizational problems will be analyzed and solved using a step-by-step method. This analysis may be applied to the student's senior research project. (Identical to MHR 403.)

**MOL 404 Organizational Communication**

3 hours. This course investigates the role communication plays in creating a productive work environment. Emphasis placed on effective interviewing strategies. The course content also focuses on verbal and nonverbal communication, effective listening, constructive feedback, and assertiveness in communication. Negotiation strategies are covered through readings and in-class simulations.

**MOL 405A Introduction to Survey Research Methods**

1 hour. Students explore purposes for and types of research. Attention is given to planning survey research, including identifying and stating a research problem. (Identical to MHR 405A.)

**MOL 405B Survey Research Methods**

3 hours. Methods for defining, researching, analyzing and evaluating problems are emphasized. Course content includes identifying and measuring objectives, questionnaire construction, and applying descriptive statistical procedures associated with data collection and analysis. (Identical to MHR 405B.)

**MOL 406 Principles of Management and Supervision**

3 hours. This course provides an overview of management and leadership theory and examines the roles of first-line managers in fulfilling the mission and goals of an organization. A master simulation exercise places students in a managerial position throughout the course. Students are expected to apply management theory as they make decisions to solve organizational problems during this simulation. Students examine their own management and leadership skills through reflective exercises. The course examines the important role managers play in fulfilling the human resource function in an organization.

**MOL 407 Christian Faith and Thought**

3 hours. The roots and origins of the Christian faith are investigated, with specific focus on how it relates to one's personal values system. The course also focuses on the history of Christianity, the influence of Christianity upon society, and how the Christian faith relates to managing people. (Identical to MHR 407.)

**MOL 409 Values and Ethics in the Workplace**

3 hours. Ethical theory and personal values are used to examine case studies from a variety of organizational settings. Accountability in government, human rights, and business are covered in readings and classroom discussions.

**MOL 410 Fiscal and Operational Management**

3 hours. This course examines fiscal information for managerial purposes. The focus is on fiscal and operational functions and their interrelationship within an organization. Course content includes control tools and techniques, as well as discussion and application of the manager's role in setting standards and controlling organizational outcomes.

**MOL 485 Saturday Seminars (6)**

3 hours. Contemporary trends and themes of special interest in the field of management or the liberal arts are discussed. The format for the seminars is varied and informal. Leadership comes from the George Fox University faculty, business and industry, and public leaders. Themes may include personal growth and fulfillment, advances in science and technology, conflict resolution in a competitive world, community service by persons and corporations, and Christian responses to current issues. (Identical to MHR 485.)

**MOL 495 Senior Research Project**

3 hours. Throughout the Management and Organizational Leadership program, students plan, implement and report on a survey research project. The project examines an organizational problem in the student's occupation or environment. Results are published and presented at the conclusion of the program.

**MATHEMATICS**

**MTH 100 The World of Mathematics**

3 hours. An introduction to various topics of modern mathematics from an elementary point of view so as to be understandable to non-mathematics and non-science majors and to foster an appreciation for the art, history, beauty and applications of mathematics. Topics will be covered that allow students to do the mathematics involved without needing a strong mathematical background.

**MTH 120 Intermediate Algebra**

3 hours. A course for students who have had an introductory course in algebra or who require further review before taking additional courses in math or science. Topics include the solving of linear equations and systems of equations, factoring of polynomials, and an introduction to functions.

**MTH 190 Pre-calculus Mathematics**

4 hours. A course for students who are preparing to take calculus or other courses requiring a similar background. In addition to studying the topics found in a college algebra course, this course will focus on trigonometry and an introduction to exponential and logarithmic functions. Prerequisite: MTH 120 Intermediate Algebra, or its equivalent.

**MTH 195 Calculus for Teachers**

3 hours. A nontheoretical course designed to give an overview of the nature and power of the calculus. An introduction to differential and integral calculus, with particular reference to the relationship between secondary math and its use in the calculus. This course fulfills part of the requirements leading to a basic endorsement in mathematics for teaching mathematics through Algebra I.

**MTH 201, 202, 301 Calculus I, II, III**

4 hours each semester for MTH 201, 202; 3 hours for MTH 301. A study of differential and integral calculus, including functions of more than one variable. Additional topics include vector geometry, infinite series and applications. Prerequisite: MTH 190 Pre-calculus Mathematics, or equivalent.

**MTH 211, 212 Innovations in Teaching Basic Mathematics**

3 hours. A study of arithmetic structures of mathematics, statistics, probability, informal geometry and applications of elementary mathematics, with particular focus on how these topics are taught. This sequence is designed only for the mathematics education student and does not apply for the mathematics major. (Identical to EDU 311, 312.)

**MTH 240 Statistical Procedures**

3 hours. Statistical procedures for the social sciences. Emphasis on the development of a basic knowledge of the statistical tools available for the analysis of problems and issues in the social sciences. (Identical to PSY 340 and SOC 340.) Prerequisite: High school algebra or equivalent.

**MTH 290 Mathematical Logic**

3 hours. Offered 1997-98. This course is intended to facilitate a smooth transition from lower-level, computation-oriented math courses to upper-level, more theoretical courses. Topics include symbolic logic, methods of proof, set theory, etc. Prerequisite: MTH 201 Calculus I.

**MTH 300 Numerical Methods**

3 hours. Offered 1997-98. A study of numerical solutions of mathematical problems, including nonlinear equations, systems of linear equations, polynomial approximations, root finding, integration and differential equations. Computer programs are written to solve these problems. Prerequisites: MTH 202 Calculus II, and either CIS 201 Introduction to Computer Science or EGR 200 Introduction to Computer Programming for Engineers. (Identical to CIS 300.)

**MTH 310 Differential Equations**

3 hours. Offered 1997-98. A study of the theory, methods of solution, and applications of ordinary differential equations. Methods include series solutions and LaPlace transforms. Prerequisite: MTH 301 Calculus III.

**MTH 320 Linear Algebra**

3 hours. Offered 1996-97. A study of matrices and their properties and application, linear transformations, and vector spaces. Prerequisite: MTH 301 Calculus III.

**MTH 330 Probability**

3 hours. Offered 1997-98. A study of sample spaces, combinatory methods, discrete and continuous distributions, moment-generating functions, and the central limit theorem. Prerequisite: MTH 301 Calculus III.

**MTH 340 Elementary Number Theory**

3 hours. Offered 1996-97. An introduction to the basic properties of whole numbers, including such topics as prime numbers, Euclid's algorithm, Fermat's Theorem, congruences and Diophantine equations. The course will emphasize historical development of the relevant topics. Prerequisite: MTH 202 Calculus II.

**MTH 350 Modern Geometry**

3 hours. Offered 1996-97. A rigorous study of Euclidean geometry and an introduction to non-Euclidean geometries. Prerequisite: MTH 202 Calculus II.

**MTH 360 Discrete Mathematics**

3 hours. Offered 1996-97. An introduction to discrete mathematics. Topics covered include sets, functions, math induction, combinatorics, recurrence, graph theory, trees and networks. Prerequisite: MTH 190 Pre-calculus Mathematics.

**MTH 410 Algebraic Structures**

3 hours. Offered 1997-98. A study of groups, rings, integral domains, fields, polynomial rings and algebraic number systems. Prerequisite: MTH 202 Calculus II.

**MTH 470 Operations Research**

3 hours. Offered 1997-98. An introduction to the mathematical tools useful in the study of optimization, with particular emphasis on linear programming. Additional topics include queuing theory, integer programming and simulation. (Identical to CIS 470.) Prerequisites: MTH 190 Pre-calculus Mathematics and CIS 130 Programming the Personal Computer, or equivalent.

**MTH 485 Special Topics**

1-3 hours. A class with topics in mathematics chosen to fit special needs or interests of students, faculty or visiting professors. Prerequisite: MTH 301 Calculus III.

**MTH 490 Senior Seminar**

2 hours. Offered 1996-97. A seminar for junior and senior math majors to explore current topics selected by the instructor. Emphasis will be placed on significant student involvement in the classroom. Prerequisite: Junior or senior standing.

**MTH 495 Special Study**

1-3 hours. Independent study of mathematical topics outside the regular offerings. Topics include advanced calculus, mathematical statistics, topology, real and complex analysis, and others. For upper-division mathematics majors only, by permission.

**MUSIC**

♦ **APPLIED MUSIC**

**MUA 105/305 Applied Voice**

1 or 2 hours. Study of proper voice production, with emphasis on posture, breathing and resonance. Studies from the standard repertoires, including English songs, Italian classics, German lieder, French art songs, oratorio and operatic arias, and selected contemporary works.

**MUA 105/305 Applied Piano**

1 or 2 hours. Technical exercises, scales and arpeggios in various rhythms; etudes of varying difficulty, such as those by Duvernoy, Burgmuller, Heller, Czerny and Clementi. Repertoire from the historical periods are studied, including selected contemporary composers. A select group of concerti are also studied.

**MUA 105/305 Applied Organ**

1 or 2 hours. Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic and Modern periods.

**MUA 105/305 Applied Strings**

1 or 2 hours. Instruction on violin, viola, cello and string bass. Basic fundamentals, posture, bow and arm techniques, shifting, and vibrato. Included are scale and arpeggio studies and works from the standard solo and orchestral repertoire.

**MUA 105/305 Applied Woodwinds**

1 or 2 hours. Instruction on flute, clarinet, oboe, saxophone and bassoon. Tone production, scales, and arpeggios in various articulations. Includes technical studies and works from the standard solo and orchestral repertoire.

**MUA 105/305 Applied Brass**

1 or 2 hours. Instruction on trumpet, French horn, trombone, baritone and tuba. Technical studies include tone production, scales, and arpeggios with various articulation. Works from the standard solo and orchestral repertoire are studied.

**MUA 105/305 Applied Percussion**

1 or 2 hours. Instruction on snare drum, tympani, the mallet instruments and drum set. An in-depth study of all the percussion instruments used in the concert band and orchestra.

**MUA 105/305 Applied Guitar**

1 or 2 hours. Study of playing techniques, with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student at his or her performance level.

◆ **ENSEMBLES**

**MUA 115/315 Festival Chorus**

½ hour. The chorus is composed of members of the University touring choirs. It also is open to all University students, University faculty and staff, alumni, and community singers. The chorus, typically accompanied by orchestra, performs a significant sacred choral work from the choral repertoire each spring. Handel's *Messiah* is performed every third year.

**MUA 125/325 Concert Choir**

1 or ½ hour. The Concert Choir is committed to excellent choral singing in a wide variety of styles, including standard collegiate repertoire from the Renaissance through the 20th century, as well as contemporary sacred and gospel arrangements, spirituals, and hymn settings. The choir's combined commitment to excellence and ministry finds expression in concerts given on campus and in churches throughout the Northwest. The Concert Choir also annually presents "Ye Olde Royal Feaste," a festive Christmas madrigal dinner with singers in Elizabethan costumes. Rehearsals are held four days a week. Membership is by audition.

**MUA 125T/325T Music Theatre**

1 or ½ hour. Chorus members and leading roles are selected by audition. Membership also is open to all students interested in the production aspects of theatre. This organization offers one major presentation each spring. Works performed include Broadway musicals, light opera, music reviews, and an occasional opera. Orchestra accompaniment generally is used, and productions are completely staged, choreographed, costumed and lighted.

**MUA 135/335 George Fox Singers**

½ hour. This ensemble, composed of talented and versatile singers drawn from the Concert Choir, sings a flexible repertoire ranging from Renaissance madrigals through contemporary vocal jazz settings and Christian contemporary gospel. Members participate in "Ye Olde Royal Feaste," Concert Choir tour, and various campus concerts. Membership is by audition.

**MUA 135D/335D Dayspring**

½ hour. This ensemble, composed of talented and versatile singers and instrumentalists, represents the University in churches, high schools, banquets, service clubs and University functions. Their repertoire includes Christian contemporary settings, arrangements of traditional hymns and spirituals, and vocal jazz. Membership is selected through interviews and auditions with representatives of the music, development and admissions departments.

**MUA 135C/335C Crosslight**

½ hour. Basic techniques of choral singing are learned. Sacred repertoire reflecting both contemporary and traditional styles is sung for chapel, Christmas Vespers, and occasional church and community functions. Secular selections also are sung in the Spring Concert. Membership is by audition.

**MUA 135H/335H George Fox University Handbell Ringers**

½ hour. This musical ensemble shares its music with community agencies, churches and University audiences. Open to all by audition. Limited to 12 ringers.

**MUA 145/345 Concert Band**

1 or ½ hour. The Concert Band is a touring ensemble that plays concerts throughout the Northwest. A fall pops concert features music from the classical pops to current movie themes. The spring tour repertoire is played in schools, churches and for chapel. This ensemble serves to train students for careers in instrumental conducting and performing. Admission is by consent of the instructor.

**MUA 145J/345J Jazz Ensemble**

½ hour. An ensemble organized to train instrumentalists in the jazz repertoire. Performances are usually for school events and some off-campus concerts. Members who are George Fox students must be concurrently enrolled in the Concert Band.

**MUA 155/355 Chehalem Symphony Orchestra**

1 or ½ hour. The symphony orchestra performs music by the master composers of the Baroque, Classical, Romantic and Modern eras. Concertos featuring student soloists are often part of the annual repertoire. Community faculty musicians combine with University students to form this ensemble. Performances include fall and spring concerts, as well as accompaniment of the Festival Chorus. Admission is by consent of the instructor.

**MUA 165/365 Instrumental Ensemble**

½ hour. An ensemble organized to meet the needs of the instrumental music student who desires to explore literature for the small ensemble, such as String Quartet, Brass Quartet or Woodwind Quintet.

◆ **THEORY AND LITERATURE**

*The World of Music is offered under GED 110.*

**MUS 100 Music Fundamentals**

2 hours. This course provides a fundamental understanding of music by considering the basics of musical construction, with examples drawn from the history of music. A study of musical notation, interval recognition, elements of pitch and rhythm, scale and chord construction, essential concepts in harmony, and basic musical forms. The student will be able to experience these fundamental concepts at the piano. No musical or keyboard experience is necessary.

**MUS 110 Understanding Jazz**

2 hours. A study of various aspects and types of jazz, from blues to jazz rock. Students will discover the great jazz artists and learn how to listen to a variety of jazz idioms.

**MUS 111, 112 Introduction to Music Literature**

2 hours each semester. A course to develop music appreciation through extensive listening to standard works. Study of vocal and instrumental forms and styles of the various periods.

**MUS 121, 122 Theory I**

3 hours each semester. A course designed to help the student systematically acquire basic information and interrelated skills that will be of value in future musical endeavors as performer, teacher or composer. Includes work in part writing, keyboard harmony, analysis and creative writing.

**MUS 125 Voice Class**

1 hour. May be repeated for credit. A course designed for beginning singers who wish to understand, improve and enhance their individual voices. Classroom participation will include instruction in basic vocal technique and care of the voice. Students will learn a variety of song literature and vocal exercises.

**MUS 131, 132 Sight Singing and Ear Training**

1 hour each semester (two class hours a week). A lab experience designed to develop proficiency in singing prepared melodies, melodies at sight, rhythmic patterns, and in taking basic melodic dictation. Music majors should register for this lab as a required component of MUS 121, 122 Theory I, which should be taken concurrently.

**MUS 135 Class Piano**

1 hour. May be repeated for credit. Elementary- to intermediate-level class instruction in piano. This class is open to any student regardless of previous experience and does not require an instruction fee in addition to the normal tuition cost. It is required of all music majors who have not yet met the piano proficiency skill level. Students working toward achieving the required piano proficiency may choose to study private applied piano with the instructor's consent rather than enroll for class piano.

**MUS 140 Organ for Pianists**

1 hour. Offered 1996-97. Group instruction in organ, its design, literature and performance techniques. Designed for pianists of at least intermediate keyboard competency with no previous experience in organ.

**MUS 150 Keyboard Accompaniment**

1 hour. This course provides "on-the-job training" and special insights and skills in the art of accompanying. A wide range of repertoire is studied, from accompanying classical solo artists to accompanying choirs (both classical and gospel), small ensembles, and congregational singing.

**MUS 180 Introduction to MIDI (Musical Instrument Digital Interface) Lab**

2 hours. This introductory course in digital music processing (electronic sound generation) acquaints students with the main equipment and software, as well as basic techniques used in contemporary studio production.

**MUS 200 Basic Conducting**

1½ hours. Offered 1996-97. Introduction to the basic fundamentals of conducting for the music major, the music education major, and the future church musician. Emphasis is placed upon the mastery of simple conducting patterns, cues and expressive gestures, and common problems in leading group singing and in directing musical ensembles.

**MUS 210 Keyboard Literature**

2 hours. Through a variety of keyboard music (harpichord, piano, organ and synthesizer), students will acquire an understanding of diverse keyboard approaches from the Baroque through contemporary styles. Recommended for those especially interested in keyboard music.

**MUS 220 Vocal Techniques**

1 hour. Offered 1997-98. Fundamental instruction in understanding the basic techniques of singing. Required for music education majors and recommended for those who seek to gain a basic understanding of fundamental singing concepts.

**MUS 221, 222 Theory II**

4 hours each semester. A continuation of Theory I. Includes chromatic harmonies and remote modulations. Introduction to 20th-century harmonic usage. Creative work is required. Prerequisite: MUS 121, 122 Theory I.

**MUS 230 String Techniques**

1 hour. Offered 1997-98. Elementary class instruction in the techniques of playing stringed instruments. Required of music education majors.

**MUS 250 Folk Guitar Techniques**

1 hour. Offered 1997-98. Elementary class instruction in the techniques of playing folk guitar.

**MUS 260 Band Techniques**

2 hours. Offered 1996-97. Elementary class instruction in the technique of playing woodwind, brass and percussion instruments to provide adequate teaching knowledge.

**MUS 285 Selected Topics**

1-2 hours. A seminar lecture class concerned with current faculty interests. Topics such as music literature, keyboard pedagogy, piano technician, etc.

**MUS 310 Counterpoint**

2 hours. Offered on demand. Principles of 18th-century polyphony. Detailed study of the works of J. S. Bach and his contemporaries. Original composition required. Prerequisites: MUS 221, 222 Theory II.

**MUS 311, 312 Music History**

3 hours each semester. A study of the development of music from antiquity through the 20th century. Comparisons are made to the development of the other arts. Concentrated study of music literature emphasizing the change in musical styles during the different historical periods. Prerequisites: MUS 121, 122 Theory I.

**MUS 320 Form and Analysis**

2 hours. Offered 1997-98. Detailed study of the structural components of music, including the motive, phrase and period. Application to principal contrapuntal and homophonic forms of the Classic, Romantic and Modern periods. Prerequisites: MUS 221, 222 Theory II.

**MUS 340 Church Music (History and Administration)**

3 hours. Offered 1997-98. A study of music within the church, viewed historically from the early centuries through the needs of the contemporary church.

**MUS 380 Keyboard Improvisation and Service Playing**

2 hours. Offered 1996-97. A practical course for pianists and organists seeking to discover creative approaches in programming and leading the congregation in inspirational worship and celebration.

**MUS 420 Composition**

2 hours. Offered 1996-97. Detailed study of representative works in the contemporary musical idiom and creative writing within the smaller forms. Prerequisites: MUS 221, 222 Theory II.

**MUS 430 Instrumentation and Orchestration**

2 hours. Offered 1997-98. A study of the instruments of the orchestra and band, including their ranges, characteristics and capabilities. Practical application of the principles of arranging and scoring for orchestral/band instrumental combinations. Prerequisites: MUS 221, 222 Theory II.

**MUS 460 Advanced Conducting**

2 hours. Offered 1997-98. A course designed to acquaint the student with advanced choral and instrumental literature. Basic conducting patterns are reviewed and adapted to all aspects of conducting: syncopation, cuing and expressive gestures. Prerequisite: MUS 200 Basic Conducting.

**MUS 475 Field Experience**

1-5 hours. Supervised experience in music apprenticeship as conductor, performer or composer. Prerequisite: Consent of music faculty.

**MUS 485 Selected Topics**

1-3 hours. A seminar lecture class concerned with current faculty interests and areas of research. Topics available are keyboard pedagogy, piano technician, language orientation for the singer, contemporary literature, MIDI lab, vocal pedagogy, conducting practicum, history of black music, and chamber, symphonic and choral literature.

**MUS 491, 492 Senior Seminar, Recital/Lecture**

1 hour each semester. Students prepare a project in cooperation with a faculty advisor. The project or recital is presented before an audience and filed permanently in the music department.

**MUS 495 Special Study**

1-3 hours. Individual research under the guidance of the faculty. Prerequisite: Consent of music faculty.

**PHILOSOPHY**

**PHL 210 Introduction to Philosophy**

3 hours. This introduction to philosophical issues encompasses study of the human quest to understand the meaning of knowledge, art, nature, God, values and other vital interests. Lectures and reading will introduce the student to the major systems of philosophy developed by thoughtful persons over the centuries.

**PHL 230 Ethics**

3 hours. Ethics consists of an analysis of the ethical theories and systems by which persons make judgments and choices, with special attention to contemporary moral issues and the modern revival of virtue theory.

**PHL 260 Sociological Theory**

3 hours. A critical study of some major social philosophers from Comte to the present. (Identical to SOC 260.) Prerequisites: SOC 150 Principles of Sociology, and PHL 210 Introduction to Philosophy, or permission of the instructor.

**PHL 340 Logic**

3 hours. Offered 1997-98. Logic involves a study of Aristotelian forms of deductive reasoning, including the syllogism, inductive reasoning, fallacies, and some aspect of symbolic logic, including Venn diagrams and truth tables. Its goal is to facilitate sound thinking that is both creative and critical.

**PHL 380 History of Philosophy**

4 hours. Offered 1996-97. As a study of the philosophical systems in their historical development, particularly in the civilization of the West, this course encompasses the ongoing dialogue between religious and secular pursuits of truth. Prerequisite: PHL 210 Introduction to Philosophy.

**PHL 485 Selected Topics**

2 hours. A seminar on a topic chosen by the professor. Open to upper-division majors and others by permission.

**PHL 495 Special Study**

1-3 hours. Individual research. Open to qualified students upon application.

**PHYSICS**

**PHY 150 Physics of Everyday Life**

3 hours. A relevant and practical introduction to everyday physical phenomena through a conceptual survey of various physics topics, including motion, energy, sound, light, electricity and relativity. No mathematical background is required. This course meets the general education requirement and is designed for non-science majors. Two lectures and one laboratory period per week.

**PHY 201, 202 General Physics**

4 hours each semester. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using algebraic methods for analysis. Prerequisite: MTH 190 Pre-calculus Mathematics.

**PHY 211, 212 General Physics with Calculus**

4 hours each semester. Mechanics, thermodynamics, electricity and magnetism, wave motion and optics, and modern physics, using calculus methods for analysis.

Prerequisite: MTH 201 Calculus I.

**POLITICAL SCIENCE**

**PSC 210 American Government**

3 hours. Offered 1996-97. The theory and practice of the federal government and the study of key issues in government in general.

**PSC 220/420 War and Conscience in the United States**

3 hours. Offered 1997-98. An exploration of American thought on the subject of war, both today and in past crises such as the American Revolution, Civil War, wars with the Indians, and the world wars; a study of the official position major church bodies have taken in regard to war; and the experiences of individuals who refused to fight. (Identical to HST 220/420.)

**PSC 240 State and Local Government**

3 hours. Offered 1996-97. The origins, evolution, structure and present functions of state, county and city government, with particular reference to Oregon. Special attention is given to the rising problems of urban government and regional planning.

**PSC 250 International Conflict and Peace**

3 hours. Offered 1996-97. An introduction to peace studies. Useful both as a foundation for other peace studies courses and as a single course to fit in with other majors. Includes exploration of the history of warfare and peacemaking, and of nonviolent alternatives to war. (Identical to SOC 250.)

**PSC 260 Introduction to Law**

3 hours. Offered 1997-98. A general study of the role of law and the legal profession in American life, and a survey of the major topics addressed by the law. Attention also is given to the values promoted by our legal system and the Christian's interaction with it.

**PSC 285/485 Selected Topics**

1-3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

**PSC 310 Conflict Resolution**

3 hours. Offered 1997-98. A study of communication principles found useful in managing conflict productively. Focus is given to conflict occurring in institutional and organizational settings between individuals and groups. Attention also is given to conflict in social, national and international settings. (Identical to COM 310.)

**PSC 340 International Relations**

3 hours. Offered 1996-97. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the problem of sovereignty, the United Nations, and international law. (Identical to INS 340.)

**PSC 390 Peace Research**

1-3 hours. Directed research on peace subjects, both current and historical. Students will normally write a major research paper. (Identical to HST 390.)

**PSC 410 Community Mediation**

3 hours. Offered 1997-98. A study of mediation skills and their uses in community disputes, including neighborhood conflicts, public policy issues, and as court-annexed alternatives to litigation. Students also will examine the impact of mediation on democratic political theory, on the theory underlying our adversarial legal system, and on Christian views of conflict in the public arena.

**PSC 475 Field Experience**

2-12 hours. Supervised experiences in varied government agencies. For upper-division students only, by permission.

**PSYCHOLOGY**

**PSY 150 General Psychology**

3 hours. An introduction to the scientific study of human behavior. Major topics include the biological bases of behavior, sensation, perception, thinking, learning, memory, emotion, motivation, personality, social interaction, and abnormal behavior. One section of the course will be available for students who know they want to major in psychology. The section for majors will cover the same major topics but will prepare students to engage these topics on a professional level. Prerequisite to all other psychology courses.

**PSY 275 Exploratory Field Experience**

2-3 hours. An opportunity to observe professionals in the helping environment.

**PSY 300 Group Dynamics**

3 hours. A study and application of principles and techniques involved in interaction of individuals within various groups. (Identical to SOC 300.) Prerequisite: PSY 150 General Psychology.

**PSY 310 Lifespan Human Development**

3 hours. Offered 1997-98. A study of physical, intellectual, personality, social and moral development from infancy to old age. (Identical to SWK 310.) Prerequisite: PSY 150 General Psychology.

**PSY 311 Human Development: Infancy to Adolescence**

3 hours. A study of physical, intellectual, personality, social and moral development from the prenatal period to adolescence. (Identical to FCS 311, SWK 311.) Prerequisite: PSY 150 General Psychology.

**PSY 312 Human Development: Young Adulthood to Old Age**

3 hours. Offered 1996-97. A study of physical, intellectual, personality, social and moral development from young adulthood to old age. This course continues the discussion begun in PSY 311 Human Development: Infancy to Adolescence. Prerequisite: PSY 150 General Psychology.

**PSY 330 Personality Theories**

3 hours. A survey of the major theorists of personality and their theories. Included are psychoanalytic, dispositional, phenomenological and behavioral theories. An integrative approach will involve synthesis of important elements of theory and Scripture. Prerequisite: PSY 150 General Psychology.

**PSY 340 Statistical Procedures**

3 hours. Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making. (Identical to MTH 240 and SOC 340.) Prerequisites: PSY 150 General Psychology, and high school algebra or equivalent.

**PSY 350 Social Psychology**

3 hours. Offered 1997-98. A study of the social and psychological processes of human interaction. Major topics to be covered include conformity, aggression, self-justification, persuasion, prejudice, attraction and interpersonal communication. (Identical to SOC 350.) Prerequisite: PSY 150 General Psychology.

**PSY 360 Learning**

4 hours. Offered 1997-98. A survey of learning theories and the basic research questions being asked in this important field. Special emphasis will be placed on translating experimental theory into practical methods. Students will replicate classic experiments that highlight the differences between Operant and Classical conditioning, and explore shaping, blocking, higher-order conditioning and transfer of learning. Current approaches to learning, and the impact of computer models on learning theory, also will be explored. Three lectures and one two-hour laboratory per week. Prerequisite: PSY 150 General Psychology. Recommended: PSY 340 Statistical Procedures, PSY 390 Research Methods.

**PSY 370 Cognition**

4 hours. Offered 1996-97. Traditional areas of study in cognitive psychology will be discussed. These areas include perception, attention, memory, reasoning, problem solving and language. Traditional views as well as current trends will be discussed. Three lectures and one two-hour laboratory per week. Prerequisite: PSY 150 General Psychology. Recommended: PSY 340 Statistical Procedures, PSY 390 Research Methods.

**PSY 381 Counseling**

3 hours. A study of theory and technique of person-centered counseling. The course is designed to teach basic theoretical postulates and to focus on effective intervention skills for those anticipating future work in Christian ministries, teaching or mental health settings. Open to sophomores and above. (Identical to CHM 381 and SWK 381.) Recommended as a prerequisite for field experience work (PSY 475). Prerequisite: PSY 150 General Psychology. Recommended: PSY 330 Personality Theories.

**PSY 382 Advanced Counseling**

1 hour. In this course, students will practice basic listening and therapeutic skills (including empathy, confrontation, connecting, etc.) from a person-centered theoretical stance. (Identical to CHM 382 and SWK 382.) Prerequisite: PSY 381 Counseling. Recommended: PSY 330 Personality Theories.



**PSY 390 Research Methods**

3 hours. An introduction to methods of psychological research. Students will be involved in designing and conducting experimental research. This course is fundamental preparation for students planning graduate work in psychology or related fields. Prerequisites: PSY 150 General Psychology, PSY 340 Statistical Procedures. Recommended: PSY 400 Tests and Measurements.

**PSY 400 Psychometrics**

3 hours. Students will develop skills in understanding and critically evaluating educational and psychological tests (measures of ability, achievement, personality and vocational interest). Also, modern principles of "psychometrics"—data-based analysis of test items, scores and interpretations—will be emphasized, particularly the reliability and validity of items and scales. Students will have hands-on experience with various tests and will computer-analyze sample data from test development projects. Prerequisites: PSY 340 Statistical Procedures and PSY 390 Research Methods.

**PSY 410 Sensation and Perception**

4 hours. Offered 1997-98. Using psychophysical techniques, students will study sensory systems, including vision, audition, olfaction, taste, touch and kinesis. Students will measure sensory thresholds, as well as study perceptual phenomena such as illusions and the impact of experience and values on perception. Classic and current theories of perception and sensation will be discussed. Three lectures and one two-hour laboratory per week. Prerequisite: PSY 150 General Psychology. Recommended: PSY 340 Statistical Procedures, PSY 390 Research Methods.

**PSY 420 Abnormal Psychology**

3 hours. Offered 1996-97. A study of the nature, causation and treatment of the major psychiatric and behavioral disorders. Prerequisite: PSY 150 General Psychology.

**PSY 440 Psychology of Religion**

3 hours. This course will cover topics such as the human experience of the Divine, the psychology of religious development, the psychology of dogmatic beliefs, ritual religious psychopathology, the psychology of conversion, and the psychology of faith. The course will also discuss and critique the body of research on religious behaviors. Prerequisite: PSY 150 General Psychology.

**PSY 450 Systems of Psychology**

3 hours. The history of the various schools of psychology, their origins, distinguishing characteristics, major contributions, theoretical positions and contemporary issues are investigated. Required for psychology majors and minors. Prerequisite: PSY 150 General Psychology.

**PSY 460 Physiological Psychology**

3 hours. Offered 1997-98. This course will introduce students to the fundamental principles of neuroanatomy, psychobiochemistry, and the physiological basis of behavior. A biobehavioral approach to the understanding of behavior will be explored. Prerequisite: PSY 150 General Psychology.

**PSY 475 Field Experience**

2-10 hours. Supervised experiences in helping activities in mental health agencies and institutions. A maximum of three hours may be applied toward a psychology major. For upper-division majors only, by permission. Recommended: PSY 381 Counseling.

**PSY 485 Selected Topics**

1-3 hours. A course dealing with various topics, as announced, that represent current faculty interests and competencies and student interest. Previous offerings have included advanced counseling, biological psychology, psychology of religion, and psychology of gender. Prerequisite: PSY 150 General Psychology.

**PSY 490 Senior Seminar**

1 hour. Integration of Christianity and psychology is emphasized. In addition, students make preparations for careers in psychology. Required for all psychology majors. Prerequisite: Senior standing.

**PSY 495 Special Study/Research**

1-3 hours. Independent study of subjects outside regular offerings and/or supervised research under the direction of faculty. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper-division psychology majors only, by permission.

**RELIGION**

**REL 250 Great Moments, Key Persons in Christianity**

2 hours. An introduction to the major events and personalities, Western and non-Western, that have shaped the development of Christianity from the time of Jesus to the present. The thought and contributions of individual men and women will be explored in historical context. Significant doctrines will be examined in relation to persons and events.

**REL 260 History and Doctrine of Friends**

2 hours. This course explores the rich heritage of the Quaker movement in its historical, social and religious settings. The distinguishing beliefs of Friends and contemporary trends also will be studied, with particular interest in how to apply timeless truths in timely ways.

**REL 270 History and Doctrine of \_\_\_\_\_ (Selected Churches)**

2 hours. Offered upon sufficient demand by denominational leaders, who supply the appropriate course descriptions.

**REL 330 Introduction to the World Christian Movement**

3 hours. Offered 1996-97. The biblical basis and history of missions are considered, with a special focus upon the modern missionary movement of the last 200 years. (Identical to INS 330.)

**REL 360 Cross-cultural Christian Outreach**

3 hours. Offered 1997-98. Cross-cultural communication in Christian ministry, focusing on the concepts of identification, mutuality, the process of cultural change from a biblical perspective, and strategies for cross-cultural outreach.

**REL 380 Christian Beliefs**

3 hours. As an introduction to Christian theology, this course considers the basic doctrines of the Christian faith and their application to contemporary living.

**REL 401 Christianity in History**

3 hours. Offered 1997-98. The development of Christianity from its appearance within the Greco-Roman world through the medieval period, and its influence as a base for culture in the West. (Identical to HST 401.)

**REL 402 Christianity in History**

3 hours. Offered 1997-98. Christianity's development from the dawn of the Protestant Reformation through its global spread during the modern era, observing its historical context and relationships to the surrounding cultures. (Identical to HST 402.)

**REL 440 World Religions**

3 hours. Offered 1996-97. A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Islam, Hinduism and contemporary kinds of alternative religion. (Identical to INS 440.)

**REL 460 Issues in Contemporary Missions**

3 hours. Offered 1997-98. Selected movements, trends and leaders of contemporary Christian missions are studied. Lectures, readings and learning activities are chosen to provide tools and methods for continuing education in missiology.

**REL 470 Christian Classics**

2 hours. Certain Christian writings have endured the test of time and have been found to be a rich source of spiritual nourishment. A representative sampling of these significant works representing the life and thought of Christians from the second to the mid-20th century will be considered.

**REL 480 Spiritual Formation**

2 hours. An exploration of how people grow and change spiritually. The study integrates biblical insights, classic Christian spirituality, developmental theory, and contemporary individual and corporate practice in spiritual formation. It will critically explore how spirituality relates to vocation, relationships, and the demands of daily living.

**REL 485 Selected Topics**

2 hours. A seminar on a topic chosen by the professor. Open to upper-division majors and others by permission.

**REL 490 Contemporary Religious Life**

2 hours. The movements, trends, and leaders of contemporary Christianity are studied in their social setting. Lectures and readings are chosen to provide tools and methods for thoughtful and continuing interpretation of religious life.

**REL 495 Special Study**

1-3 hours. Individual research. Open to qualified students upon application.

**SOCIOLOGY**

**SOC 150 Principles of Sociology**

3 hours. An introduction to the study of society, including the study of the shared relationships that create social organization and social processes of society.

**SOC 200 Social Problems**

3 hours. A study of current social problems to understand their various structural, historical and cultural roots, as well as possible societal and Christian responses. Required for sociology and social work majors.

**SOC 250 International Conflict and Peace**

3 hours. Offered 1996-97. An introduction to the insights, the vocabulary, the research methods and the applications of the field of peace studies. Useful both as a foundation for other peace studies course and as a single course to fit in with other majors. (Identical to PSC 250.)

**SOC 260 Social Theory**

3 hours. A critical study of some major social philosophers from Comte to the present. (Identical to PHL 260.)  
Prerequisites: SOC 150 Principles of Sociology and PHL 210 Introduction to Philosophy, or permission of the instructor. Required for sociology and social work majors.

**SOC 275 Exploratory Agency Experience**

3 hours. An opportunity to participate in a variety of activities within a social service agency for the purpose of testing interests and talents. By permission.

**SOC 280 Marriage and the Family**

3 hours. A study of marriage and the family from a sociological perspective, including historical, cross-cultural and economic backgrounds. A Christian faith perspective will emphasize the worth of persons, the importance of the family as a place of nurture, and the gift of marriage. (Identical to FCS 280.)

**SOC 285 Selected Topics**

1-3 hours. A seminar dealing with topics of special interest to students and current faculty.

**SOC 300 Group Dynamics**

3 hours. A study and application of principles and techniques involved in interaction of individuals within various groups. (Identical to PSY 300.) Prerequisite: SOC 150 Principles of Sociology.

**SOC 310 Cultural Anthropology**

3 hours. A comparative study of world societies and their ways of life. (Identical to INS 310.)

**SOC 330 Urban Problems**

3 hours. Offered 1997-98. A survey study of the nature, scope, causes, effects and alleviation of social, political and economic problems in the urban setting. Prerequisite: SOC 150 Principles of Sociology, or permission of the instructor.

**SOC 340 Statistical Procedures**

3 hours. Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making. A required course for majors recommended for fall semester of junior year. (Identical to PSY 340 and MTH 240.) Prerequisites: SOC 150 Principles of Sociology, and high school algebra. Required for sociology and social work majors.

**SOC 350 Social Psychology**

3 hours. A study of the social and psychological processes of human interaction. Major topics to be covered include conformity, aggression, self-justification, persuasion, prejudice, attraction and interpersonal communication. (Identical to PSY 350.) Prerequisite: SOC 150 Principles of Sociology, or permission of the instructor.

**SOC 360 Prisons, Probation and Parole**

3 hours. Offered 1996-97. An introduction to the study of criminology, including theoretical paradigms and research. This is followed by a study of correctional institutions, including prisons, probation, parole and community corrections.

**SOC 380 Race, Ethnicity, Gender, and Class I**

3 hours. Offered 1996-97. An interdisciplinary study of the history, problems and present status of, social attitudes toward, and generalist practice with persons differing in racial, ethnic, gender and class backgrounds in the United States. Prerequisites: SOC 150 Principles of Sociology, or by permission.

**SOC 410 Juvenile Delinquency**

3 hours. Offered 1996-97. A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation and other rehabilitative programs. Prerequisite: SOC 150 Principles of Sociology, or permission of the instructor.

**SOC 450 Gerontology**

3 hours. A study of the aging process in its diverse social, psychological and physiological dimensions. Prerequisite: SOC 150 Principles of Sociology, or permission of the instructor.

**SOC 475 Field Experience**

6-12 hours. Supervised experiences in private and public social agencies for upper-division majors only. A minimum of six semester hours of SOC 475 Field Experience is required of majors. By permission.

**SOC 485 Selected Topics**

1-3 hours. A special-interest course that addresses current topics in the field of sociology. Course offerings depend on current faculty competencies and student interest. Limited to upper-division majors. Previous offerings have included a Christian response to the contemporary family, criminal justice, cross-cultural education, death and dying, Native American cultures, sociology of religion, sociology of adolescence, and sociology of literature. Prerequisite: SOC 150 Principles of Sociology.

**SOC 490 Senior Research Seminar**

3 hours. Emphasis is given to the development of research skills applied in the survey, community survey, and/or program evaluation research design. Students will complete a research project. Prerequisites: SOC 150 Principles of Sociology, SOC 260 Sociological Theory, SOC 340 Statistical Procedures. For majors with senior standing. Required for sociology and social work majors.

**SOC 495 Special Study**

1-3 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper-division majors only, with permission.

**SPANISH**

**SPN 101, 102 First-Year Spanish**

3 hours each semester. A study of the structure of the Spanish language, with practice in listening, speaking, reading and writing. Aspects of the cultures of Spain and Latin America are presented as integral parts of learning the language. Language lab listening and interaction required.

**SPN 201, 202 Second-Year Spanish**

3 hours each semester. A thorough review of Spanish language structures, with extensive practice in speaking and writing. Students read short stories and articles and present oral and written reports. Language lab listening and interaction required. Prerequisite: SPN 102 First-Year Spanish or equivalent, or consent of instructor.

**SPN 275/475 Field Experience**

1-10 hours. Supervised experience in a situation demanding extensive use of Spanish. Admission and credit hours determined by instructor.

**SPN 285/485 Selected Topics**

2-4 hours. Occasional special courses chosen to fit the needs and interests of students and faculty.

**SPN 301, 302 Spanish Composition and Conversation**

3 hours each semester. Systematic review of Spanish grammar, and development of proficiency in conversation and composition. Interaction is required. Prerequisite: SPN 202 Second-Year Spanish or equivalent, or consent of instructor.

**SPN 311, 312 Spanish and Latin American Survey of Literature**

3 hours each semester. Offered 1996-97. Study of representative works from the Middle Ages to the present. Introduction to the major themes and forms of Spanish literature to our modern times, as well as to the basic currents and movements in the Spanish-American novel, poetry and short story. Taught in the Spanish language. One semester to focus on Spain, the other on Latin America. Prerequisite: SPN 202 Second-Year Spanish or equivalent.

**SPN 351, 352 Spanish and Latin American Culture and Civilization**

3 hours each semester. Offered 1997-98. An introduction for the student who wants to develop an appreciation and better understanding of the culture and civilization of the Spanish-speaking peoples. This course should help the student as an excellent preparation for travel, study and/or mission work in any Spanish-speaking country of the world. One semester to focus on Spain, the other on Latin America. Prerequisite: SPN 202 Second-Year Spanish or equivalent.

**SPN 490 Study Abroad**

18 hours minimum. A one- or two-semester overseas experience. Students take courses at Spanish or Latin American universities while living abroad. Application and junior standing or above required. All programs of study subject to the approval of the Spanish faculty and the International Studies Director.

**SPN 495 Individual Research or Field Work**

1-4 hours. Individual study under the guidance of a faculty member, as determined by student needs and faculty availability. Students must have permission of the faculty member to enroll.

**SOCIAL WORK**

**SWK 180 Social Work Introduction**

3 hours. An introduction to the historical development and current practices of the social work profession. Examination of the knowledge base, values, skills, practices, settings, educational and career opportunities of the profession. Emphasis upon developing awareness of the scope of the profession and the relatedness of generalist social work and social welfare systems. Course may include community service opportunities and/or social agency tours. Required for majors.

**SWK 275 Exploratory Agency Experience**

1-3 hours. An opportunity to engage in a variety of activities within a social agency for the purpose of testing student interest in and aptitude for social work. Not recommended for those students who have already developed a decided interest in social work as a major or those who have been officially admitted to the social work program. By permission.

**SWK 285 Selected Topics**

1-3 hours. A special-interest class offered on a one-time basis addressing a subject in the field that is of general interest to the University community. By permission.

**SWK 310 Lifespan Human Development**

3 hours. Offered 1997-98. A study of physical, intellectual, personality, social and moral development from infancy to old age. (Identical to PSY 310.) Prerequisite: PSY 150 General Psychology. Recommended for majors.

**SWK 311 Human Development: Infancy to Adolescence**

3 hours. A study of physical, intellectual, personality, social and moral development from the prenatal period to adolescence. (Identical to PSY 311 and FCS 311.) Prerequisite: PSY 150 General Psychology. Recommended for majors.

**SWK 320 Child Abuse and Family Violence**

3 hours. Offered 1996-97. A multidisciplinary approach that considers causation, incidence and treatment of families and children experiencing physical and emotional violence in the family. Basic principles of child welfare, victim assistance, protective shelters and supporting services will be explored. Prerequisites: PSY 150 General Psychology and SOC 150 Principles of Sociology.

**SWK 360 Social Policy I**

3 hours. The policies of contemporary social programs are considered from a national, state and local perspective. Policy development and analysis are emphasized. Prerequisites: SWK 180 Social Work Introduction, and SOC 200 Social Problems. Required for majors.

**SWK 381 Counseling I**

3 hours. A study of theory and technique of person-centered counseling. The course is designed to teach basic theoretical postulates and to focus on effective intervention skills for those anticipating future work in Christian ministries, teaching, or mental health settings. Open to sophomores and above. (Identical to CHM 381 and PSY 381.) Recommended as a prerequisite for field experience work (SWK 475). Prerequisite: PSY 150 General Psychology. Recommended: PSY 330 Personality Theories. Required for majors.

**SWK 391 Social Work Methods I**

3 hours. A thorough consideration of principles underlying the social work profession and social welfare institutions in the U.S. Principles, policies and settings of both public and private agencies will be considered. Prerequisites: SOC 200 Social Problems, SWK 180 Social Work Introduction and junior standing, or permission of the instructor. Required for majors.

**SWK 392 Social Work Methods II**

3 hours. An overview of methods of practicing social work with individuals, groups and communities, with particular emphasis on expectations, goals and strategies. Appropriate simulated and actual experiential learning will be used. Prerequisite: SWK 391 Social Work Methods I and junior standing, or permission of the instructor. Required for majors.

**SWK 400 Child Welfare Services**

3 hours. Offered 1997-98. Basic principles of child welfare, with emphasis upon the services needed and available for families and children needing various types of support. Focus is on developing a knowledge and understanding of child welfare and supporting services. Prerequisites: SOC 200 Social Problems and SWK 180 Social Work Introduction.

**SWK 475 Field Experience**

9-12 hours. Supervised experiences in a social agency for upper-division majors only. A minimum of nine semester hours and 450 clock hours of SWK 475 Field Experience is required in the major. By permission. Required for majors.

**SWK 485 Selected Topics**

1-3 hours. A special-interest class that addresses a relevant subject in the field of social work. Previous and projected subjects include, but are not limited to, administration and community planning; cognitive and behavioral theories; crisis and trauma recovery; current issues in social work; human behavior in the social environment; medical and mental health services; systemic and ecologic theories; social policy; and treating addictive behaviors. Limited to upper-division majors. Prerequisites: SOC 200 Social Problems and SWK 180 Social Work Introduction.

**SWK 490 Senior Seminar**

3 hours. A required course for majors to be taken during the spring semester of the senior year. The course will focus on consolidating substantive knowledge regarding 1) social welfare policies and services, 2) human behavior in the social environment, 3) the structure and function of communities and human service organizations, 4) methods of inducing change across the micro-, mezzo-, and macro-levels, and 5) methods of scientific inquiry necessary to assess human problems and the effectiveness of professional interventions. Focus also will be upon the integration of social theories with faith and learning. Prerequisite: SWK 391 Social Work Methods I. Required for majors.

**SWK 495 Special Study**

1-3 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper-division majors only, by permission.

**THEATRE**

**THE 120 Introduction to Acting**

3 hours. Study of basic principles of acting, including survey of acting theories, performance of scenes, and critical observation and analysis of productions.

**THE 125/325A,B,C Theatre Laboratory**

1-2 hours. The practical application of theatre techniques in connection with dramatic productions. Open to any student taking part in a production. "A" denotes acting, "B" directing, and "C" technical options. May be repeated for a maximum of eight hours total.

**THE 160/360 Improvisational Theatre Workshop**

2 hours. Focus on development of improvisational skills through structured and directed psychological, physical and social exercises. May be repeated once for credit.

**THE 165/365 George Fox University Players: Drama Touring Troupe**

1 hour each semester. Participation in the theatre's traveling ensemble. Entrance to the course by audition and invitation. Students must remain with the troupe the entire year. May be repeated to a maximum of four hours credit.

**THE 220 Oral Interpretation of Literature**

3 hours. Introduction to the aesthetic bases of speech communication through the analysis and performance of various genres of literature. Attention given to performance of biblical literature, literature of diverse cultures, and the art of storytelling.

**THE 240 Understanding Drama**

3 hours. A study of significant plays from the classical period to the present, both as literary works and staged productions, the goal being a deeper understanding and appreciation of drama as a symbolic form. Primary focus is on literary values, with attention also given to the constraints and interpretations embodied in the staging, acting and directing of a play. (Identical to LIT 240.)

**THE 255/455 Technical Theatre**

3 hours. Offered 1997-98. A study of major areas of technical theatre, with emphasis on set design and construction, lighting design, and sound as applicable to educational, professional and church drama.

**THE 275/475 Field Experience**

1-10 hours. Offered summers only. Supervised experience with off-campus professional, community, church, or camp theatre productions or drama programs. The experience may include acting, directing, technical production, publicity, management, therapy, or any combination thereof. Enrollment by permission of the professor.

**THE 285/485 Special Topics**

3 hours. Special courses offered occasionally to meet the needs and interests of students, professors, and visiting professors, specifically including technical theatre. Characteristically offered as part of May Term.

**THE 320 Advanced Approaches to Acting**

3 hours. Offered 1996-97. Problems of characterization, styles and characteristics of acting in various dramatic media; emphasis on improvisations, instruction in movement and timing, and presentation of scenes of various types. The course requires additional outside-of-class time for rehearsal and performance of selected plays. Prerequisite: Permission of the instructor.

**THE 340 Theatre as Ministry**

3 hours. Offered 1996-97. A consideration of theatre skills as tools for meeting human needs in essentially non-theatrical environments. Focus on drama as a service medium rather than as strictly an entertainment vehicle.

**THE 495 Individual Research in the Theatre**

1-3 hours. Open to exceptional students who want to explore a specific area in greater depth. Entrance at the discretion of a faculty member.

**WRITING**

**WRI 095 English Skills**

1-3 hours. Offered fall semester as a regular class and other times as individualized study. Focuses on spelling, reading, composition and research skills necessary for effective college learning.

**WRI 110 Freshman Composition**

3 hours. A course concentrating on expository writing, with an introduction to basic research methods. Technical and argumentative writing also are introduced.

**WRI 200 Interpreting Literature**

3 hours. Offered 1996-97. An approach to writing as a tool for discovering aspects of meaning in fictional, nonfictional, dramatic and poetic texts. Emphasis will be on careful interpretation and development of an effective writing style. Prerequisite: WRI 110 Freshman Composition, or equivalent, or SAT score of 600.

**WRI 230 Introduction to Journalism**

3 hours. A course designed to give fundamental knowledge and experience in reporting, writing and editing news for the print media. Prerequisite: WRI 110 Freshman Composition, or equivalent, or SAT score of 600.

**WRI 250 Biography and Autobiography**

3 hours. An approach to writing and literature using personal experience to explore events, places and people through recollections, interviews, diaries, journals and the personal essay.

Selected writers, ancient to contemporary, will be studied as representative models of the form within the genre. Prerequisite: WRI 110 Freshman Composition, or equivalent, or SAT score of 600.

**WRI 285/485 Special Topics**

3 hours. Occasional special courses chosen to fit the needs and interests of faculty, visiting professors and students.

**WRI 330 Writing for Publication**

3 hours. A workshop approach to the writing of nonfiction articles and other shorter nonfiction forms for periodical magazines. Student-produced material will be submitted to various magazines as part of course expectations. Special attention will be given to Christian periodical markets. Prerequisite: WRI 110 Freshman Composition, or instructor's permission.

**WRI 350 Creative Writing**

3 hours. A workshop approach to the writing of poetry and fiction. Students will write and prepare for publication original works in these two areas. Prerequisite: WRI 110 Freshman Composition, or instructor's permission.

**WRI 370 Desktop Publishing**

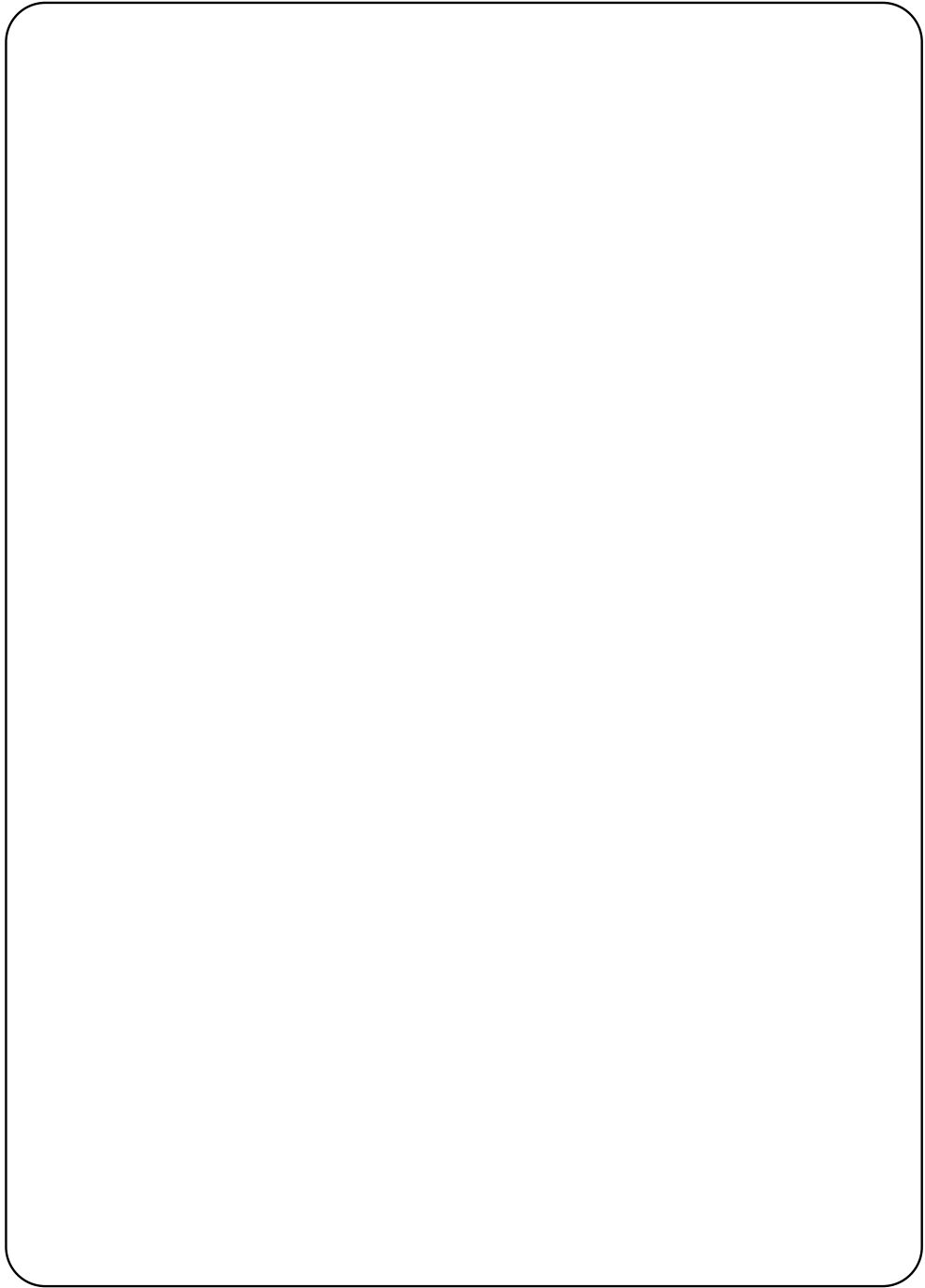
3 hours. Offered 1997-98. This course will include all phases of the publishing process, including copy selection, editing, art selection, computer layout and design, marketing, and printing using the Macintosh and appropriate software. Prerequisite: WRI 110 Freshman Composition, or instructor's permission.

**WRI 475 Field Experience**

1-10 hours. An opportunity for writing students to apply their skills in a practical arena for businesses, organizations and groups. Special attention given to preparing a portfolio and résumé. By permission of the writing faculty.

**WRI 495 Individual Research**

1-3 hours. Individualized study related to the student's needs and interests. Open to exceptional students at the discretion of the faculty.







George Fox University offers graduate programs in four different fields. Advanced degrees are offered in the field of education (Master of Arts in Teaching and Master of Education), psychology (Master of Arts and Doctor of Psychology in clinical psychology), business (Master of Business Administration in management), and religion (Master of Arts in Christian Studies).

Seven additional graduate programs are available through Western Evangelical Seminary, which merged with George Fox University July 1, 1996. (Please refer to WES publications for details concerning these programs.)

The M.A.T. and M.Ed. programs are both designed to prepare students for the teaching profession. The M.B.A.

is a two-year, nontraditional program designed for the professional working adult. The M.A. and Psy.D. program in clinical psychology; a five-year program, prepares students as clinical practitioners. The M.A. in Christian Studies is a 10-month, full-time program intended to prepare professional and lay persons for leadership in the church. Currently all graduate programs enjoy formal regional accreditation.

## BUSINESS

See “Management (M.B.A. Degree).”

## CHRISTIAN STUDIES

(M.A. Degree)

### Program Description

Designed as a one-year, 36-semester-hour program, the Master of Arts in Christian Studies provides a strong foundation in biblical and theological studies, as well as opportunity for individual specialization and practical application. The curriculum offers a foundation for deeper understanding of the Christian faith and for continuing reflection and imaginative application. More specifically, the curriculum focuses on the following objectives:

- Introducing the student to the foundational documents and primary source materials for Christian understanding and reflection: the Old and New Testaments of the Christian Bible.
- Developing the student’s understanding of the history and methodology of biblical interpretation through the study of exegesis and interpretation.
- Enabling the student to develop a personally satisfying theological approach to Christian faith through the study and application of biblically based theological systems.
- Increasing the student’s awareness of the diverse cultural experiences and expressions of modern humanity and how Christianity relates to this diversity.
- Expanding the student’s knowledge of historical perspectives of Christianity and how these can aid current critical reflection on, and evaluation of, contemporary forms of Christianity.
- Developing the student’s knowledge of contemporary moral and ethical issues and how the Christian faith addresses these.
- Enabling the student to integrate Christian faith and practical application in personally designed integration projects.

### Admissions

The following are required of all students as a basis for admission: baccalaureate degree from an accredited college or university; minimum grade point average (GPA) of 3.0 for the last two years of baccalaureate program; application essay of 500 words (to assess verbal skills); and three letters of recommendation (academic, character, pastoral). An interview may be requested. It is departmental policy to consider applicants who show significant promise even though they may not meet these criteria.

### Degree Requirements

The M.A. in Christian Studies requires the completion of 36 semester hours composed of six to nine hours in Individual Specialization and 27 to 30 hours of course work (nine to 12 hours in Bible—students choose two or three courses from BIB 510, 520 and 530; all take BIB 550—and 18 hours in religion). REL 560 Foundational Seminar and REL 585 Individual Specialization (6-9 hours) are required of all students. Students must maintain a minimum GPA of 3.0.

### Course Offerings

#### ♦ GRADUATE BIBLICAL STUDIES COURSES

##### **BIB 510 Old Testament Studies**

3 hours. An investigation of the books of the Old Testament emphasizing thematic and structural elements that enhance the student’s ability to perceive unity within diversity and that provide a basis for continued theological and integrative studies.

##### **BIB 520 New Testament Studies**

3 hours. Introduction to the New Testament literature employing the same thematic and structural approach initiated in BIB 510 Old Testament Studies.

##### **BIB 530 Biblical Theology**

3 hours. The diversity of Old and New Testament theological expression is studied, with attention to unifying elements and the distinction between descriptive and prescriptive theological motifs. Various contemporary reflections on the nature and purpose of biblical theology are discussed. Prerequisite: BIB 510 Old Testament Studies, or permission of the instructor.

**BIB 550 Biblical Exegesis and Interpretation**

3 hours. Issues and methods of biblical (Old Testament and New Testament) exegesis and interpretation are encountered in the investigation of specific biblical texts.

**♦ GRADUATE RELIGION COURSES****REL 510 Christian Theology**

3 hours. A study of classical and contemporary models for developing a consistent, logical and systematic approach to Christian theology based on an authoritative view of Scripture.

**REL 520 Spiritual Formation**

3 hours. This course is designed to facilitate the student's understanding of the ways God works in human lives, effecting redemptive change and spiritual transformation. A theoretical basis for reflection will include study of recent cognitive models of faith development and selected readings from the devotional classics. Experiential components will include individual and corporate approaches to the life of prayer, exercises in spiritual direction, and journaling.

**REL 530 Contemporary Religious Worldviews**

3 hours. The development and teachings of the major non-Christian religions of the world (East and West) will be studied, with special attention to those elements that shape their understanding of the nature of God, humanity, the world, and the purpose/goal of life. Other important Western religious traditions will also be considered.

**REL 540 Christian Ethics**

3 hours. Basic issues and methodologies for the construction of a consistent, biblically based Christian life ethic are presented and discussed to provide the basis for continued, integrative reflection and decision making in a variety of life settings.

**REL 550 Historical Perspectives on Christianity**

3 hours. The course offers a survey in brief of significant events, persons and developments in Christian history from the time of Christ until the present. The purpose is to provide a panoramic rather than exhaustive view as a foundation for continued reflection on the place of the Christian and Christianity in the world.

**REL 560 Foundational Seminar**

3 hours. Required of all M.A.C.S. program participants, this course will set the practical, integrative tone that characterizes the course of study. Styles and philosophies of Christian leadership appropriate to a broad range of Christian service possibilities will be considered. Participants will define the nature of their Individual Specialization Plan in this course.

**REL 585 Individual Specialization**

6-9 hours. Individual study under the supervision of faculty and in support of the participant's Individual Specialization Plan prepared in REL 560 Foundational Seminar.

**CLINICAL PSYCHOLOGY**

(M.A. and Psy.D. Degrees)

**Program Description**

The Doctor of Psychology (Psy.D.) program follows a professional (scholar-practitioner) model and is designed to prepare qualified, professional psychologists. The professional model is distinguished from the more traditional scientist-practitioner model leading to the Ph.D. by its greater emphasis upon the development of clinical skills. It provides training in the scientific foundations of psychology and in research methods and statistics, but places primary emphasis on the development of clinical skills. Since the initial endorsement of the Doctor of Psychology degree by the American Psychological Association in 1979, the professional model has been incorporated into the training programs of a growing number of universities and professional schools.

The curriculum of the Graduate School of Clinical Psychology (GSCP) is designed as an integral five-year program. The first two years emphasize study in the scientific foundations of psychology, biblical and theological studies, and an introduction to clinical theory and practice. As the student advances in the program, the emphasis shifts toward application of basic knowledge through integrative study of the relationships among these disciplines and by their application in clinical practice through the assessment and practice sequence. Professional training in assessment and psychotherapy begins in the first semester with Prepracticum, and continues throughout the program, culminating in the clinical internship.

The goal of the Graduate School of Clinical Psychology is to prepare professional psychologists who are competent to engage in a wide variety of clinical specialties, who are knowledgeable in the critical evaluation and application of psychological research, and who are committed to the highest standards of professional ethics. The central distinctive of the program is the integration of Christian principles and the science of psychology at philosophical, practical and personal levels. Graduates are trained as specialists in meeting the unique psychological needs of the Christian community within the context of a Christian worldview.

Graduates are prepared for licensure as clinical psychologists. Alumni of the GSCP are licensed psychologists in states throughout the U.S. They engage in practice in a variety of settings, including independent and group practice, hospital, community and public health agencies, church and parachurch organizations, and mission agencies. Graduates also teach in a variety of settings, including colleges and seminaries.

A Master of Arts degree is conferred following successful completion of the first two years of the program and other requirements (see below). The M.A. degree is not designed or intended as a terminal degree; consequently, only students intending to complete doctoral study are admitted.

## Research Sequence

The research sequence introduces the student to statistical methods and research design while cultivating the foundational skills necessary for the critical evaluation of scientific research. In addition, students are given broad exposure to the research literature in clinical psychology and the psychology of religion. These experiences culminate for the student in the completion of a doctoral dissertation. The dissertation, which may be empirical, theoretical or applied, is normally completed during the fourth or fifth year of the program. The goal of the research sequence is to equip graduates with the knowledge and skills necessary for the effective use of the evolving body of knowledge in the science of psychology, and in so doing, to lay a foundation for continued professional growth throughout their careers.

## Clinical Training

Clinical training is an important and integral part of the Psy.D. curriculum. Although it is a distinct part of the curriculum, it is also integrated with the academic course work throughout the program. The clinical training process normally begins at the beginning of the first year and continues throughout the program, ultimately preparing the student for postdoctoral residency training and licensure as a psychologist.

The initial step involves prepracticum training, a laboratory course designed to introduce basic legal, ethical and professional issues and to prepare the student for direct client contact. The course consists of readings, lectures, team meetings and systematic training in human relations skills, the latter accomplished through supervised group process experiences and interactional dyads. Audio and video recordings of the interaction process are used to provide effective feedback for the student.

Following the completion of prepracticum training, the student enrolls in practicum, which generally lasts throughout the second year. The practicum sequence provides the

student with ongoing, supervised experience in the application of psychological principles in assessment and psychotherapy in a variety of clinical settings and with a range of problems and clientele. In addition to supervised clinical experience at the training site, the practicum student is involved in weekly training at George Fox, including team meetings with peers and faculty members, oversight groups, and didactic training.

The preinternship sequence of training follows completion of practicum, and generally lasts throughout the third year. The preinternship sequence enables students to further develop their clinical skills and to gain the experience necessary to prepare for internship. During the preinternship sequence, students continue to receive ongoing, supervised experience in assessment and psychotherapy in a variety of clinical settings.

Preinternship training also involves supervision of practicum and prepracticum students, weekly team meetings and oversight groups with faculty members, and presentations of advanced topics in a seminar format. The preintern student is encouraged to develop a broad range of clinical skills with diverse clinical populations rather than specialize prematurely. Although specialization is often desirable, it is best done during the internship, or during postdoctoral residency and continued professional training.

The final phase of predoctoral clinical training involves a one-year, full-time internship (50 weeks; 2,000 hours). Most internships require that students move to another location (often to another state) for the internship year. The internship is normally begun in the fifth year and usually consists of a one-year, full-time placement in a single setting, but may be begun in the fourth year and consist of a two-year, half-time placement in one or two settings.

A clinical training file is maintained on each student as he or she progresses through the clinical training sequence. This file contains evaluations, work samples, and

clinical competency ratings on each student. Advancement through the clinical training sequence requires approval of the clinical training committee, and all internship placements must be arranged through the Director of Clinical Training.

## Research and Training Facilities

The psychology research lab is located in the Murdock Learning Resource Center. High-speed microcomputers, laser printers, and complete statistical (SPSS PC+) and graphics software are provided. In addition to its use for instructional purposes, the lab supports student research projects and dissertations, plus faculty research.

The Murdock Learning Resource Center provides library support for the psychology program. The library has an excellent collection of materials addressing the integration of psychology and the Christian faith and a good collection of contemporary work in most areas of psychology. In addition, the library receives more than 200 periodicals in psychology and related disciplines. Students also have on-line access to major computerized databases through library services, including Psych Info, Psych Books, DIALOG, ERIC, and many others. George Fox University maintains cooperative arrangements with other local educational institutions, providing psychology students with a full range of user services, including interlibrary loans and direct borrowing privileges.

## Faculty

Members of the George Fox University faculty bring a wealth of professional experience and a diversity of theoretical backgrounds to the classroom. Among the psychology faculty are 10 psychologists and one psychiatrist; seven clinical faculty who represent varied specialty areas and research interests; and four basic science faculty who are specialists in research design, statistical methods, psychological scale construction, and developmental psychology.

Theoretical orientations represented by the faculty include psychodynamic, behavioral, cognitive-behavioral, object relational, family systems, and psychobiological. Despite their diversity in theoretical orientation, the faculty are united by a common commitment to a Christian worldview, to providing high-quality professional training, and to upholding the highest standards of scholarship and clinical expertise among their students.

## Professional Standards

Standards for graduate education in psychology, as well as for practice of psychology, are set by the policies of the American Psychological Association (APA) and those of the relevant state laws and administrative rules. In Oregon, these include the Oregon Revised Statutes and Oregon Administrative Rules of the Oregon State Board of Psychologist Examiners. The design, structure and process of graduate education at George Fox University are guided by these statutes and policies. Consequently, in addition to the policies of the University's graduate program, students in the psychology program are expected to know and abide by the professional policies established by these two regulatory agencies.

## Admission

Admission to the psychology program requires a baccalaureate degree from a regionally accredited college or university. A grade point average (GPA) of 3.0 or above and at least 18 semester hours of psychology or other related social science credits are generally required. In addition, applicants must submit scores on the Graduate Record Examination (GRE) Aptitude Scales and the Psychology Subject Test and complete the general application requirements of George Fox University. Students with graduate credit and those who hold an advanced psychology or theology degree will be considered for admission with advanced standing subject to space availability in the appropriate class.

During the past two years, the median grade point average of admitted students was 3.51 and 3.59, respectively, and median GRE scores (combined Verbal and Quantitative Aptitude scores) were 1120 for each year. Applicants will generally be required to have a grade point average of 3.3 or better and GRE scores greater than 1050; however, applicants who show significant promise may occasionally be admitted although they do not meet these criteria.

## General Academic Information

### ♦ LENGTH OF PROGRAM

The Doctor of Psychology program is designed to be completed in five years of full-time study, with a maximum of seven years from the date of initial enrollment. The student who is not able to complete the program within seven years must file a letter of appeal for extension with the chairperson of the Graduate School of Clinical Psychology, outlining plans for completion and providing an explanation of the circumstances that necessitate projecting the course of study beyond the seven-year period.

### ♦ CONTINUOUS ENROLLMENT

Students are expected to maintain continuous enrollment throughout the program (minimum of three hours per semester). Failure to enroll for a minimum of three hours in a given semester (summer term is excepted) will result in suspension from the program. Reenrollment will require application for readmission.

### ♦ LEAVE OF ABSENCE

Students who must temporarily discontinue graduate study for medical or other reasons may arrange a leave of absence of up to one academic year with the approval of their advisor and the chair of the Graduate School of Clinical Psychology. Students who wish to discontinue for longer than one year will normally be required to apply for readmission into the program.

### ♦ GRADING POLICY, SCHOLARSHIP, PROBATION AND DISMISSAL

A minimum cumulative grade point average of 3.0 is expected in all course work in the Graduate School of Clinical Psychology. Students whose work does not meet this requirement will be placed on probation and will be expected to raise their GPA to the 3.0 level in the following semester. Failure to do so will normally result in academic dismissal.

The following also are grounds for academic dismissal:

- A grade of "C" in three or more courses;
- A grade of "D" or "F" in any course;
- A failing (no pass) grade in practice courses;
- A GPA below 3.0 for two semesters;
- Failure to pass Comprehensive Exam by the end of the third year of study.

The Student Handbook contains additional information concerning grading practices.

### ◆ STUDENT EVALUATION

In addition to course grades, an evaluation of each student's academic progress, interpersonal relationships, legal and ethical conduct, and clinical skills is performed annually by the Clinical Training Committee and practicum supervisors. Students failing to act in an ethical or professional manner, receiving unsatisfactory evaluation by practicum or internship supervisors, failing to comply with George Fox University standards of conduct, or showing other evidence of deficiency in professional development may be dismissed from the psychology program.

### ◆ TRANSFER CREDIT

In some cases, a student may wish to transfer graduate-level course work previously earned at another accredited college, university or seminary. Guidelines covering transfer credit are stated in the Student Handbook of the Graduate School of Clinical Psychology and are in addition to general University policies outlined in this Catalog. No transfer credit will normally be granted for practicum.

### Psy.D. Degree Requirements

The Doctor of Psychology (Psy.D.) degree requires the satisfactory completion of the following:

- All required courses, including 100 semester hours in psychology (86 hours of psychology courses, four hours of prepracticum, plus five hours each of practicum and preinternship) and 27 hours of Bible/religion;
- Comprehensive Examination: The Subject Test in Psychology of the Graduate Record Examination (GRE) comprises the M.A. comprehensive examination. Students must achieve a score at or above the 75th percentile on the senior undergraduate norm. Should

a student score lower than this minimum level, he or she may retake the examination at the next scheduled administration. Such students may continue to enroll but will not be admitted to doctoral standing until a satisfactory score on the examination is earned. Failure to do so by the end of the third year may result in dismissal from the program. (See Student Handbook for additional information.)

- Full-time Internship: the equivalent of a one-year full-time internship (50 weeks and 2,000 clock hours);
- Doctoral dissertation (minimum of 12 hours).

### Academic Class Standing

For purposes of academic standing by class, the following guidelines are established:

First Year: Less than 30 hours  
 Second Year: 30+ hours to M.A. Conferral  
 Third Year: Doctoral Standing  
 Fourth Year: Doctoral Standing plus more than 100 hours  
 Fifth Year: Doctoral Standing plus more than 100 hours plus Internship, or Doctoral Standing plus more than 120 hours plus half Internship, or Doctoral Standing plus 139 hours (course work completed)

### M.A. Conferral

The M.A. is conferred as a transitional degree en route to the Psy.D. rather than as a terminal degree. It is conferred following completion of 60 semester hours of course work, including 48 hours of psychology and 12 hours of Bible and religion courses. Psychology course requirements include Prepracticum, 4 hours of Practicum, and 40 additional hours of psychology. Specific requirements are listed in the Student Handbook of the Graduate School of Clinical Psychology, and are marked on the Recommended Sequence which follows. In addition, the student must successfully complete the Comprehensive Examination (see Student Handbook). A graduation application must be filed with the Registrar's Office two semesters prior to the anticipated completion of the requirements for the M.A. degree.

Students may also receive the M.A. degree in Christian studies by taking the additional courses for that degree and meeting the listed degree requirements.

### Required Courses/ Recommended Sequence

#### ◆ FIRST YEAR

##### Fall

PSY 530 Prepracticum<sup>1</sup>(2)  
 PSY 512 Personality Theory<sup>1</sup> (3)  
 PSY 519 Legal, Ethical/Professional Issues<sup>1</sup> (2)  
 BIB 510 Old Testament Studies<sup>1</sup> (3)  
 PSY 524 Statistical Methods (3)  
 BIB 550 Biblical Exegesis and Interpretation<sup>1</sup> (3)  
 Total: 15 hours

##### Spring

PSY 531 Prepracticum<sup>1</sup> (2)  
 PSY 525 Personality Assessment<sup>1</sup> (3)  
 PSY 529 Psychometrics in Assessment<sup>1</sup> (2)  
 PSY 542 Systems of Psychotherapy<sup>1</sup> (2)  
 BIB 520 New Testament Studies<sup>1</sup> (3)  
 BIB 530 Biblical Theology<sup>1</sup> (3)  
 Total: 16 hours

##### Summer

PSY 517 Social Psychology<sup>1</sup> (2)  
 PSY 551 Community Mental Health<sup>1</sup> (2)  
 PSY 553 Christian Views and Systems<sup>1</sup> (2)  
 Total: 6 hours

#### ◆ SECOND YEAR

##### Fall

PSY 532 Practicum<sup>1</sup> (2)  
 PSY 513 Childhood Development<sup>1</sup> (3)  
 PSY 521 Abnormal Psychology<sup>1</sup> (4)  
 PSY 522 History and Systems of Psychology<sup>1</sup> (3)  
 PSY 526 Intellectual and Cognitive Assessment<sup>1</sup> (2)  
 PSY 543 Psychodynamic Psychotherapy<sup>1</sup> (2)  
 Total: 16 hours

##### Spring

PSY 533 Practicum<sup>1</sup> (2)  
 PSY 514 Adolescence, Adulthood, and Aging<sup>1</sup> (3)  
 PSY 515 Learning (3)

|         |   |
|---------|---|
| PSY 544 | Cognitive-Behavioral Psychotherapy <sup>1</sup> (2) |
| PSY 545 | Principles of Group Dynamics <sup>1</sup> (3)       |
| REL 520 | Spiritual Formation (3)                             |
|         | Total: 16 hours                                     |

**Summer**

|         |                                  |
|---------|----------------------------------|
| PSY 534 | Practicum (1)                    |
| PSY 546 | Family Therapy (2)               |
| PSY 547 | Sexual Dysfunction (2)           |
| PSY 549 | Cross-cultural Psychotherapy (2) |
|         | Total: 7 hours                   |

**♦ THIRD YEAR****Fall**

|         |   |
|---------|---|
| PSY 536 | Preinternship (2)                           |
| PSY 540 | Research Design (3)                         |
| PSY 562 | Projective Assessment (3)                   |
| PSY 571 | Psychopharmacology/<br>Psychoneurology (4)  |
| REL 550 | Historical Perspectives on Christianity (3) |
|         | Total: 15 hours                             |

**Spring**

|         |                                     |
|---------|-------------------------------------|
| PSY 537 | Preinternship (2)                   |
| PSY 548 | Experiential Psychotherapy (2)      |
| PSY 550 | Women's Issues in Psychotherapy (2) |
| PSY 555 | Research in Belief and Behavior (2) |
| PSY 556 | Research Seminar (2)                |
| PSY 573 | Neuropsychological Assessment (2)   |
| REL 510 | Christian Theology (3)              |
|         | Total: 15 hours                     |

**Summer**

|         |                   |
|---------|-------------------|
| PSY 538 | Preinternship (1) |
| PSY     | Elective (2)      |
| PSY 600 | Dissertation (4)  |
|         | Total: 7 hours    |

**♦ FOURTH YEAR****Fall**

|         |                                       |
|---------|---------------------------------------|
| PSY 554 | Psychology of Emotions (2)            |
| PSY 572 | Religious Issues in Psychotherapy (2) |
| PSY     | Elective (2)                          |
| PSY 601 | Dissertation (4)                      |
| REL 530 | Contemporary Religious Worldviews (3) |
|         | Total: 13 hours                       |

**Spring**

|         |                         |
|---------|-------------------------|
| PSY 570 | Professional Issues (2) |
| PSY 581 | Program Evaluation (2)  |
| PSY     | Elective (2)            |
| PSY 602 | Dissertation (4)        |
| REL 540 | Christian Ethics (3)    |
|         | Total: 13 hours         |

**♦ FIFTH YEAR**

|             |                          |
|-------------|--------------------------|
| PSY 610-615 | Clinical Internship      |
|             | Program Total: 139 hours |

<sup>1</sup> = M.A. degree requirements.**Course Offerings****♦ SCIENTIFIC FOUNDATIONS****Individual Behavior****PSY 512 Personality Theory**

3 hours. Focuses on the major theories of personality and their authors. Seeks to provide an understanding of the basic principles of personality development, structure, dynamics and process. Major research on personality will be reviewed.

**PSY 513 Childhood Development**

3 hours. The first of two courses on human development. It provides an overview of research and theory of human psychological development from conception through 12 years of age, including personality, social, intellectual and moral development.

**PSY 514 Adolescence, Adulthood and Aging**

3 hours. The second of two courses on human development, this course focuses on theory and research in the periods of adolescence, adulthood and aging. Major psychological issues of these periods will be addressed, including physical maturation, aging, and emotional, intellectual and social development.

**Cognitive/Affective Bases of Behavior****PSY 515 Learning**

3 hours. Designed to provide an overview and critical analysis of the major theories of learning and the resultant research techniques and issues that serve as a basis for environmental shaping and behavior modification.

**PSY 554 Psychology of Emotions**

2 hours. Presents an overview of the major psychological and physiological theories of emotions. An evaluation of the emotional processes involved in psychotherapy is presented. Prerequisites: PSY 512 Personality Theory, PSY 521 Abnormal Psychology, and PSY 542 Systems of Psychotherapy.

**Social Bases of Behavior****PSY 517 Social Psychology**

2 hours. An overview of some of the major theories, concepts and research topics in social psychology. The social aspects of the individual's behavior are studied, with special reference to the social agencies involved in shaping behavior.

**PSY 555 Research in Belief and Behavior**

2 hours. An introduction to research on belief and behavior, emphasizing empirical psychology of religion. Methods of research evaluation and critique are presented and practiced. Practical experience is provided through a class research project. Prerequisite: PSY 553 Christian Views and Systems.

**Biological Bases of Behavior****PSY 571 Psychopharmacology/ Psychoneurology**

4 hours. An overview of human neuroscience, with emphasis on those areas of clinical importance to the psychologist. The foundations and principles of clinical psychopharmacology and the interrelationship of the psychologist in clinical settings also will be examined.

### ♦ RESEARCH DESIGN/ METHODS

#### **PSY 540 Research Design**

3 hours. Examines the principles of measurement and research design applied to the planning, execution and evaluation of psychological research. Prerequisite: PSY 524 Statistical Methods.

#### **PSY 541 Individualized Research**

1-6 hours. Individualized research on a selected topic under direction of faculty supervisor. Registration by petition only. Requires submission of an approved syllabus with instructor's signature. Prerequisite: PSY 540 Research Design, or PSY 555 Research in Belief and Behavior.

#### **PSY 556 Research Seminar**

2 hours. Builds on the experience in PSY 555 Research in Belief and Behavior. Students may choose to conduct research or develop theoretical papers. Prerequisites: PSY 553 Christian Views and Systems, PSY 555 Research in Belief and Behavior.

### ♦ STATISTICS AND PSYCHOMETRICS

#### **PSY 524 Statistical Methods**

3 hours. Introduction to the standard parametric and nonparametric statistical methods used in conducting psychological research, including tests of association, correlation and regression, and mean comparisons.

#### **PSY 529 Psychometrics in Assessment**

2 hours. A survey of theory and methods of test construction, with emphasis on professional standards for evaluating published tests and clinical interpretations of test results. Concepts of test development, including scaling, item analysis, standardization, norming, computerization, measurement error, reliability and validity will be examined for widely used clinical instruments, especially cognitive scales. Issues of test use among ethnic and special populations will also be emphasized.

#### **PSY 565 Psychological Scale Construction**

3 hours. Provides an introduction to the basic methodology involved in psychological scale construction, including rationale, item development, item selection, and establishing reliability and validity. Class exercises will include practice in various parts of the scale development process. Prerequisites: PSY 524 Statistical Methods, PSY 525 Personality Assessment, PSY 526 Intellectual and Cognitive Assessment.

### ♦ HISTORY AND SYSTEMS OF PSYCHOLOGY

#### **PSY 522 History and Systems of Psychology**

3 hours. An overview of the development of psychology via prominent historical figures and systems from the early Greek philosophers through the 20th century. Current developments from these systems will be critically evaluated.

#### **PSY 542 Systems of Psychotherapy**

2 hours. An introduction to the major approaches to psychotherapy. Critically appraises theories, techniques and models of health and psychopathology. Prerequisites: PSY 512 Personality Theory, PSY 521 Abnormal Psychology.

#### **PSY 553 Christian Views and Systems**

2 hours. Basic approaches to relating biblical and theological principles to the systems of psychology. Special attention will be given to the philosophical and practical issues involved in the process of relating psychology to Christian perspectives.

### ♦ SCIENTIFIC AND PROFESSIONAL ETHICS AND STANDARDS

#### **PSY 519 Legal, Ethical and Professional Issues**

2 hours. Examination of the American Psychological Association's "Ethical Principles of Psychologists and Code of Conduct," state laws regarding the practice of psychology, the related ethical and practical considerations involved in qualifying for licensure, and establishing and conducting a professional practice.

#### **PSY 570 Professional Issues**

2 hours. Roles of the various professional groups involved in providing comprehensive health care are examined; guidelines and procedures for referral and interprofessional collaboration are reviewed; and legal, ethical and professional issues involved in working in a multidisciplinary managed care context are discussed. Establishing a professional practice, and the professional and personal life of the therapist also will be addressed. Students will be expected to bring examples of consultations, reports and management problems—and issues from their current practice settings—to explore their personal implications. Prerequisite: Fourth-year standing or completion of Preinternship.

## ♦ CLINICAL THEORY

### **PSY 521 Abnormal Psychology**

4 hours. Focuses on understanding the basic processes and distinguishing features among the major categories of mental disorders, and becoming familiar with standard diagnostic categories and systems. Assessment and case reports using DSM criteria are emphasized.

### **PSY 545 Principles of Group Dynamic and Group Counseling/Lab**

3 hours. Theory and application of small group processes in guidance and counseling; laboratory practice in selection of participants, leadership, and interaction methods; and problem solving and evaluation.

### **PSY 547 Sexual Dysfunction**

2 hours. Provides an overview of physiological, sociological and psychological aspects of sexuality and sexual dysfunctions. Approaches to evaluation and treatment of dysfunctions and consideration of the influences of beliefs upon the causes and remediations of problems are included. Pre-requisites: PSY 530-531 Prepracticum, PSY 532-533 Practicum.

### **PSY 551 Community Mental Health**

2 hours. Concepts and methods of community mental health are introduced, with special reference to the church as a major community structure that can have a significant impact in the prevention and amelioration of mental health problems.

### **PSY 567 The Psychoses**

2 hours. Assessment, intervention, case management and prognostic issues involved in dealing with psychotic disorders. Prerequisites: PSY 512 Personality Theory, PSY 521 Abnormal Psychology, PSY 525 Personality Assessment. Recommended: PSY 542 Systems of Psychotherapy (or concurrent registration).

## ♦ CLINICAL PRACTICE

### **PSY 530-531 Prepracticum**

2+2 hours. This two-semester sequence prepares the student for the beginning practicum. It involves a laboratory experience in which students learn interpersonal communication and empathy skills using role-play techniques and audio and video feedback. Students are expected to participate in team meetings, oversight groups, and didactics to introduce them to the legal and ethical issues of practice, the administrative structure and functioning of clinical settings, and the practical issues of assessment, psychotherapy, case management and record keeping.

### **PSY 532-534 Practicum**

2+2+1 hours. This is a sequence of at least three semesters that builds on PSY 530-531 Prepracticum and emphasizes practical training in assessment, diagnosis, psychotherapy and case management through supervised practice in a variety of clinical settings. Students also participate in team meetings, didactics, and oversight training groups. Prerequisites: PSY 519 Legal, Ethical and Professional Issues; PSY 530-531 Prepracticum.

### **PSY 536-538 Preinternship**

2+2+1 hours. This is a sequence of at least three semesters that builds on PSY 532-535 Practicum and emphasizes development of more advanced skills in assessment, diagnosis, psychotherapy and case management through supervised practice in a variety of field settings. This sequence seeks to develop skills in supervising others and to prepare students for internship. Students continue to participate in team meetings, oversight training groups, and didactics in a seminar format. Prerequisite: PSY 532-535 Practicum.

### **PSY 543 Psychodynamic Psychotherapy**

2 hours. Building on the foundation established in PSY 542 Systems of Psychotherapy, this class explores the theory and practice of psychodynamic psychotherapy, including analytic, object relations and self psychologies. Major theorists and assessment techniques are critically appraised, and process and outcome research related to these approaches is examined. Case studies will be required of current clients, whom the student treats in his or her practice setting, examining them from a psychodynamic perspective. Prerequisite: PSY 542 Systems of Psychotherapy.

### **PSY 544 Cognitive-Behavioral Psychotherapy**

2 hours. Building on the foundation established in PSY 542 Systems of Psychotherapy, this class explores the application of cognitive-behavioral psychotherapeutic techniques in short-term and long-term psychotherapy, and examines process and outcome research findings related to the use of these approaches. Case studies will be required of current clients whom the student treats in his or her practice setting, examining them from a cognitive-behavioral perspective. Prerequisite: PSY 542 Systems of Psychotherapy.

### **PSY 546 Family Therapy**

2 hours. Building on the foundation established in PSY 542 Systems of Psychotherapy, this class explores the theory and practice of family therapy. Major theorists, assessment techniques, and family therapy strategies are critically appraised, and process and outcome research related to these approaches is examined. Case studies will be required of current clients, whom the student treats in his or her practice setting, examining them from a family therapy perspective. Prerequisite: PSY 513 Child Development, PSY 514 Adolescence, Adulthood and Aging, PSY 542 Systems of Psychotherapy.



**PSY 548 Experiential Psychotherapy**

2 hours. Building on the foundation established in PSY 542 Systems of Psychotherapy, this class explores the application of experiential psychotherapeutic techniques in short-term and long-term psychotherapy, and examines process and outcome research findings related to the use of these approaches. Case studies will be required of current clients whom the student treats in his or her practice setting, examining them from an experiential perspective. Prerequisite: PSY 542 Systems of Psychotherapy.

**PSY 549 Cross-cultural Psychotherapy**

2 hours. Introduction to the literature and issues involved in clinical work with persons of various cultural, racial and ethnic backgrounds. The role of culture and ethnicity in conceptualizations of mental health and pathology, help seeking, and response to treatment will be emphasized.

**PSY 550 Women's Issues in Psychotherapy**

2 hours. The literature and issues related to gender in psychotherapy will be examined, with special emphasis on the problems of diagnosis, interpersonal issues, and paradigms for understanding female clients. Case studies will be used for illustration and application.

**PSY 568 Object Relations**

2 hours. An introduction to object-relational theory and psychotherapeutic techniques that grow out of that perspective. Though not a practicum course, ideally the student should be involved in working in a counseling setting in which applications of this psychodynamic approach may be tested in practice. Prerequisites: PSY 521 Abnormal Psychology, PSY 542 Systems of Psychotherapy.

**PSY 569 Substance Abuse**

2 hours. A survey of the literature on substance abuse and chemical dependency. Emphasis is placed on psychological assessment and intervention for persons with substance abuse disorders. Required for licensure in California.

**PSY 572 Religious Issues in Psychotherapy**

2 hours. An advanced clinical seminar, this course addresses the role of religiously based values and interventions, and develops skill in addressing religious issues in psychotherapy. Special ethical issues related to religiously based approaches to psychotherapy also are addressed.

**PSY 574 Behavioral Medicine**

2 hours. A survey of the application and integration of biobehavioral knowledge and techniques relevant to physical health and illness, including such issues as psychophysiological disorders, biofeedback, hypnosis, stress management, and preventive medicine. Prerequisite: PSY 571 Psychopharmacology/Psychoneurology.

**PSY 581 Program Evaluation**

2 hours. Introduction to the principles and techniques for evaluating mental health care and mental health service delivery systems. Emphasis will be given to models, methods and strategies for evaluating program inputs, processes and outcomes, and to effectively communicating results to the various communities interested in the effectiveness of treatment.

**PSY 585/685 Selected Topics**

1-3 hours. A seminar dealing with topics of special interest to students and faculty.

**♦ ASSESSMENT****PSY 525 Personality Assessment**

3 hours. Introduces the basic statistical concepts of measurement, and objective and projective personality assessment. Administration, scoring and interpretation of objective personality measures; preparing written reports of test results.

**PSY 526 Intellectual and Cognitive Assessment**

2 hours. An introduction to individualized assessment of intellectual and cognitive aptitudes and abilities, and preliminary screening for neurological dysfunction. Prerequisite: PSY 525 Personality Assessment.

**PSY 558 Forensic Psychology**

2 hours. Introduces legal, psychological, ethical and practical issues involved in the practice of forensic psychology. Assessment strategies and legal issues involved in child custody and abuse, law enforcement evaluation of fitness for duty, competency to stand trial, criminal responsibility (sanity), and presentencing evaluations, personal injury and worker's compensation are addressed. Prerequisites: PSY 525 Personality Assessment, PSY 526 Intellectual and Cognitive Assessment, and PSY 532-535 Practicum.

**PSY 561 Assessment and Treatment of Learning and Behavior Disorders of Children**

3 hours. Examines strategies for assessing and designing prescriptive interventions for children with learning and behavioral handicaps. Prerequisites: PSY 525 Personality Assessment, and PSY 526 Intellectual and Cognitive Assessment. Recommended: PSY 571 Psycho-pharmacology/Psychoneurology.

**PSY 562 Projective Assessment**

3 hours. This class introduces the basic concepts of projective assessment and the administration, interpretation and report writing for a variety of projective techniques, such as the House-Tree-Person, Draw-A-Person, Thematic Apperception Test, Roberts Apperception Test, Senior's Apperception Test, Holtzman Inkblot Test, Bender Gestalt Test, and Word Association Test. The Rorschach Inkblot Test and the Comprehensive System of John E. Exner (revised) will be emphasized. Prerequisite: PSY 526 Intellectual and Cognitive Assessment.

**PSY 573 Neuropsychological Assessment**

2 hours. Development of a deeper understanding of the brain-behavior relationships begun in neuropsychology and on the assessment of neuropsychological functioning through use of such instruments as the Luria-Nebraska Neuropsychological Battery. Prerequisites: PSY 525 Personality Assessment, PSY 526 Intellectual and Cognitive Assessment, PSY 571 Psychopharmacology/Psychoneurology.

**♦ DISSERTATION****PSY 600-609 Dissertation Research**

12 hours minimum. The student will do guided research under an appointed research committee. Prerequisites: PSY 540 Research Design, PSY 556 Research Seminar, formation of doctoral committee.

**♦ INTERNSHIP****PSY 610-619 Clinical Internship**

A full-time internship comprising 50 weeks and 2,000 hours is required as part of the Psy.D. program. The internship may be scheduled as a half-time placement for two calendar years or a full-time placement for a single year. Prerequisite: Completion of M.A. degree and practicum requirements. Special fee assessed.

**EDUCATION**

(M.Ed. Degree)

Also see "Teaching (M.A.T. Degree)."

**Program Description**

The Master of Education (M.Ed.) program is designed to meet the Oregon requirements for the Standard Teaching License. The Master of Education degree will require 36 semester hours of credit. Students may receive institutional recommendation for the Standard License.

Students in the M.Ed. program may include:

- Teachers holding Basic Licenses who wish to obtain Standard Licenses,
- Teachers who hold expired or out-of-state licenses,
- Licensed teachers who desire additional course work at the graduate level.

**Program Requirements and Options:**

Requirements for the Standard License include the following 30 semester hours:

- 10 hours of core courses
- 10 hours of content area courses
- 10 hours of elective courses

The Master of Education degree requires six additional hours in applied research and methods courses.

Students may transfer a maximum of 10 semester hours from accredited institutions.

The structure of the program will be characterized by:

- **Theory-into-Practice Links.**

Experiences at the teacher's school site will be a major component of the program and will provide the practical application for the course work.

- **Action Research.** Personal research will be an integral part of the program.

- **Thematic Strands.** Major strands, such as multicultural awareness, values, leadership, action research, decision making, trends in education, and professional development will be incorporated throughout the professional courses.

- **Reflection.** The ability to reflect on learning about teaching and on the practice of teaching will be developed in small- and large-group discussion, in journal entries, in papers, and in conferences with University supervisors.

## Admissions

1. Passing scores on appropriate section of the NTE if changing endorsements or changing license from basic to standard.
  - Elementary: Core Battery including Professional Knowledge.
  - Secondary: NTE specialty test in endorsement area(s) and the Professional Knowledge test of the Core Battery.
2. A minimum 3.0 cumulative grade point average on the last 60 semester hours (90 term hours) or a written explanation of GPA below 3.0.
3. A Basic Teaching License (or the equivalent).
4. Three letters of recommendation: two professional and one character.
5. A cover letter stating the applicant's goals and reason for pursuing the license or degree.
6. Evidence that the applicant has complied with and satisfied the TSPC background check requirements.
7. Other items consistent with admission requirements at George Fox University.

## Degree Requirements

The Master of Education requires the student to earn a minimum of 36 semester hours, depending on the student's professional agenda. A cumulative grade point average of 3.0, with no grade lower than a "C" is to be maintained for successful completion of the program.

1. No later than completion of eight semester hours, a degree-seeking student must complete the M.Ed. degree application process.
2. Each degree-seeking student will be assigned a graduate faculty advisor who will assist the student in planning his or her proposed course of study. The proposed course of study will be reviewed by the Graduate Program Committee.

## Course Offerings

### ♦ CORE COURSES

#### **EDM 521 Principles and Practices in Educational Research**

2 hours. Learn to read and interpret published research, both qualitative and quantitative. The focus of readings will be on current issues related to professionalism, including cultural diversity, values and school reform.

#### **EDM 540 Leadership in Education**

3 hours. Students participate in discussions and/or activities dealing with site-based management, decision making, mentoring, management of human resources, and issues dealing with professional leadership in education.

#### **EDM 542 Trends and Issues in Education**

3 hours. A variety of trends and issues affecting educators based on psychological and sociological research are addressed. Topics to be covered include school reform, assessment, classroom management, curriculum innovations, technology in education, and topics selected by the students.

#### **EDM 544 Ethical Foundations of Education**

2 hours. Students learn a perspective on human relations in education that includes issues such as problem solving, consensus building, conflict resolution, ethics, and building relevant community connections.

### ♦ ELECTIVE COURSES

#### **EDM 510 Advanced Developmental Psychology**

2 hours. Principles of human development—infancy through adolescence—will be discussed in relation to classroom application, with a focus on practice that is appropriate for the developmental level of the student.

#### **EDM 512 The Exceptional Learner**

3 hours. Investigate the issues involved in educating the exceptional learner in the classroom. These learners include ESL, TAG, various handicapping conditions, and other at-risk children. Background information on student needs, legislation, and instructional strategies will be explored.

#### **EDM 513 Classroom Guidance**

3 hours. Explore the guidance methods used by the classroom teachers. The coordination of the work of agencies outside the school with those of the support programs in the school will be covered. Interactions with parents and parent groups will be emphasized. Classroom teachers will also explore the roles of all student services programs within the school setting, including those programs that deal with exceptionality. Ethics and confidentiality of the teacher-student relationships will be covered.

#### **EDM 514 Supervision and Mentoring Leadership in the School**

3 hours. Emphasis is placed on application of methods covered in the following areas: supervision techniques, leadership in site-based management, action research management, and methods for mentoring new teachers, student teachers and peers. Prerequisite: EDM 540 Leadership in Education, or teacher's permission.

#### **EDM 515 Mentoring Seminar**

1 hour. Mentoring provides group support and faculty assistance to teachers focusing on mentoring student teachers, new teachers or other peers. May be repeated.

**EDM 516 Classroom Management**

3 hours. Classroom teachers learn innovations in classroom organization and management and are encouraged to apply classroom management methods in the classroom setting.

**EDM 522 Action Research Seminar**

1 hour. The seminar will provide group support and faculty assistance to teachers conducting an action research project in their classroom/school. May be repeated.

**EDM 523 Advanced Methods: Research in Effective Teaching**

3 hours. Analysis and investigation of current research in effective teaching methods as related to specific subject areas. Specific methods relating to subject matter, learning styles, and current school reforms will be studied and applied. May be repeated (i.e. EDM 523 Research in Effective Teaching: Advanced Methods in Language Arts/Reading; EDM 523 Research in Effective Teaching: Advanced Methods in Math; EDM 523 Research in Effective Teaching: Advanced Methods in Children and Adolescent Literature).

**EDM 524 Applied Methods I**

1 hour (3 hours maximum in the program). Students will apply curriculum development techniques to an approved curriculum project, e.g., a work sample, in their work setting. This credit must be taken concurrently with EDM 580 or with permission of advisor.

**EDM 525 Applied Research I**

2 hours (6 hours maximum in program). Initial credits must be taken concurrently with the action research seminar. Students will apply action research techniques to an approved project in their work setting. Coordination with site-based management teams will be encouraged.

**EDM 526 Classroom Assessment**

2 hours. Classroom teachers become acquainted with a wide variety of methods for assessing student progress at the classroom and individual level. Students will develop assessment instruments and procedures that relate to their own disciplines. Current methods of assessment—including portfolios, rubrics and other forms of authentic assessment—will be covered.

**EDM 527 Testing and Measurement**

2 hours. A foundation course in which students review the principles of educational testing. Standardized testing instruments including individual and group tests will be explored. Students will also learn and apply basic statistical procedures and software used in educational testing. Required for students who have chosen the thesis option.

**EDM 554 Technology in the Classroom I**

2 hours. Introduces students to the use of basic computer hardware and software that may be encountered in the classroom. The classroom teacher will learn to use appropriate integrated software programs. In addition, the teacher will be able to use software for record keeping and basic desktop publishing.

**EDM 555 Technology in the Classroom II**

1 hour. Focus on learning and applying advanced educational technology in the classroom, including Hyper Card, CD ROM and/or laser disk interactive programs, and video productions. May be repeated.

**EDM 560 Thesis Seminar**

1 hour. Thesis seminar provides group support and faculty assistance to teachers conducting thesis projects. May be repeated.

**EDM 565 Thesis**

1 to 6 hours. The student will do guided research under an appointed research committee. Prerequisites: EDM 521 Principles and Practices in Educational Research, and EDM 527 Testing and Measurement.

**EDM 580 Curriculum Development/Advanced Planning/Implementation: Subject Area(s)**

2-3 hours. Teachers learn to apply curriculum development and planning procedures as they create curriculum for their own classroom/school settings and subject areas. May be repeated.

**EDM 585 Selected Topics in Content-Specific Areas**

2-3 hours. These courses are developed to provide the teacher with in-depth knowledge in the content of subject matter taught. Content-specific courses will be offered as needed in, but not limited to, the following areas: advanced mathematics, basic mathematics, biology, chemistry, drama, elementary education, health, family and consumer sciences, language arts, music, health and human performance, social studies, and speech.

**EDM 585B Curriculum Issues and Methods and the Christian Teacher**

2 hours. Focus on the curriculum needs and issues of teachers in Christian school settings. An emphasis on the integration of faith and learning will be made. This course will also deal with issues related to Christian teachers in the public school setting.

## MANAGEMENT

(M.B.A. Degree)

### Program Description

A two-year program offered one night a week plus some Saturdays, the George Fox University Master of Business Administration degree is intended for students who want to improve their management and leadership ability through intellectual, moral and creative growth. The program is situated squarely within the University's mission, for the University believes that its Christian values, concern for integration, and commitment to quality speak to managers who desire training that is both theoretically sound and humanly meaningful. Managers have become increasingly aware of the importance of values, ethics, service, and other spiritually significant elements that are part and parcel of George Fox University programs.

The management M.B.A. is intended to prepare practitioners in a variety of fields in both the profit and not-for-profit sectors. Some of the areas it is designed to cover include the following:

- Integration of knowledge and decision making within the larger framework of the organization and social and cultural contexts
- Creativity, innovation and change
- Leadership and interpersonal skills
- Capacity to communicate in the functional areas of business
- Practice of the human virtues, such as integrity, humility, compassion and perseverance, in organizational settings
- Capacity for conceptualization, strategic thinking and problem solving
- The propensity to act on one's values and ethics as foundational to good management

- Management in a chaotic world of demographic, cultural, global and technological change

The program is structured on a cohort model in which a group of students follows an integrated sequence of courses from beginning to end. Cohorts begin each fall. Courses are taught evenings and weekends, typically one night a week with an occasional Saturday seminar.

### Admissions

Admission to the M.B.A. program requires a baccalaureate degree from a regionally accredited college or university; a grade point average (GPA) of 3.0 or better in the last two years of study; two years of relevant job experience; three letters of recommendation; a writing sample; and an interview with faculty members. Students are not required to submit scores from any standardized tests prior to admission, but will be required to do so prior to the end of the first year of class. Students whose grade point averages from the last two years of course work do not reflect their aptitude for graduate work may want to submit standardized test scores for consideration in the admission process. The department may consider applicants who show significant promise but do not meet all of these criteria. The application procedure is detailed in the M.B.A. Application Packet, which may be requested from the Office of Graduate Admissions.

### Degree Requirements

Students will be admitted without regard to their undergraduate major, but those with little or no background in the areas of accounting, finance, economics, or marketing will be expected to address their weaknesses.

Students are expected to maintain continuous enrollment in the program, thus remaining with their cohort throughout, so personal and work commitments should be planned accordingly. A student who drops out must be readmitted. The degree requires the completion of all 39 graduate credit hours at George Fox University.

### Course Offerings

#### **BUS 500 Foundations: People at Work**

3 hours. A foundational look at the meaning of human nature for work relationships. Emphasizes self-understanding and understanding others with the objective of improving effectiveness and harmony in work relationships.

#### **BUS 504 Functional Competencies I: Speaking the Language**

3 hours. An introduction to the concepts and language of economics, marketing, accounting and finance. The contribution of each of these areas to management decision making will be analyzed in an integrative fashion. Students will be given the opportunity to work on the areas in which they most need improvement.

#### **BUS 521 Effective Communication**

3 hours. Investigation and practice of ways to present one's self and ideas to individuals and groups. The course may include practice in the uses of rhetoric, persuasion, argumentation, nonverbal communication, writing, and listening skills.

**BUS 525 Global Awareness and Opportunities**

3 hours. Designed to increase awareness of the world around us and to gain sensitivity to the meaning of other cultures, worldviews and changing demographics. Includes investigation of global economic, production, marketing, financial and managerial networks.

**BUS 530 Creativity, Innovation and Entrepreneurship**

3 hours. An exploration of the ways in which we can all learn to think and act more creatively. The course seeks to expand the ways in which we perceive opportunities and challenges, cope with and advance change, take initiative, and spur innovation.

**BUS 534 Ethical, Legal, Social and Environmental Issues**

3 hours. This course investigates how individuals and organizations are affected by and in turn affect these natural and cultural contexts. Emphasis is placed on responsible moral and legal decision making.

**BUS 540 Functional Competencies II: Core Capacities**

3 hours. The second of two competencies courses seeks deeper insight into economics, marketing, accounting and finance, with greater emphasis on their utilization in decisions made by individuals, organizations and society.

**BUS 544 Managing and Organizing**

3 hours. Changing internal and external environments have changed the nature of management and organization. Processes, structures and relationships will be explored in a problem-solving context. Models of managing and organizing and their application will be emphasized.

**BUS 551 Decision Making and Management of Information**

3 hours. This course combines theory and practice of various modes of decision making with practical approaches to the definition and retrieval of the information that these decisions require.

**BUS 555 Leadership and the Human Side of Enterprise**

3 hours. Changes in worldviews, values, organizational structures, management systems, and working relationships will be examined in the light of implications for leadership. Leadership, followers, motivation and team building will be explored in light of insights into human nature that have been built up across the curriculum.

**BUS 560 Strategic Thinking**

3 hours. This course increases sensitivity to and ability for perception, conceptualization, analysis and implementation of ways in which individual and organizational values and missions can be realized within practical constraints.

**BUS 599 Shaping a Better World**

3 hours. The final course in the curriculum is forward looking—a visionary search, individually and collectively, for practical paths to making a difference in the world. The application of Christian values presents a path to narrowing the gap between the ideal and the real.

**BUS 590 Directed Study/Project**

3 hours. The student, in consultation with a faculty member, elects and develops an approach to a topic that represents his or her own greatest reward in terms of personal and professional development. The course topic is to be selected during the first year of the program and must be completed prior to the final summer semester.

**PSYCHOLOGY**

See “Clinical Psychology (M.A. and Psy.D. Degrees).”

**TEACHING**

(M.A.T. Degree)

Also see “Education (M.Ed. Degree).”

**Program Description**

The Master of Arts in Teaching (M.A.T.) is a fifth-year program to be completed in 11 months by individuals who have completed an undergraduate B.A. or B.S. degree in a field other than education. The fifth-year program allows students, upon completion of the program and passing scores on the appropriate standardized measures (National Teacher Exams, Multiple Subject Assessment for Teachers, and the California Basic Educational Skills Test), to receive an Oregon Basic Teaching License. After three years of successful teaching but no required additional course work, they will qualify to receive the Standard Teaching License.

The Basic and Standard teaching licenses will bear endorsements in the following areas: advanced mathematics, biology, chemistry, elementary education, health education, home economics, language arts, music, physical education, social studies, and Spanish. Additional endorsements, except elementary education, can be added by testing.

The 11-month proposed curriculum includes professional education courses and practica. Students build on their knowledge of subject matter as they develop pedagogical skills and research methodologies; gain knowledge about the psychological, sociological, historical and philosophical foundations of education; and apply these understandings in elementary and secondary classrooms.

Prior to their final student teaching experience in the spring, students in the graduate elementary education program must have taken the MSAT, and students in the graduate secondary education program must have taken the NTE or Praxis II specialty exam for their discipline.

The goal of the curriculum is to provide a future teacher with the content and methods necessary to be an effective teacher. Thematic strands such as decision making, values, curriculum, classroom management, multicultural awareness, research, and technology are integrated throughout the curriculum. The themes add qualities to the program that are not reflected in single courses but are interwoven throughout the curriculum.

The teacher education program at George Fox University has been structured to provide academic and practical experiences that will prepare effective teachers who can successfully meet the challenges of classroom teaching. The form of the teacher education program includes a purposeful use of current research findings on the education of teachers as translated into practical experiences and methodologies. The structure will be characterized by:

- **Cohort Model.** Initially, students will work in two cohorts of 20 to 25 students each. One cohort will be secondary and one elementary, with middle school experiences available to both. Although they are separate cohorts, they will be blended together for certain experiences.
- **Theory-into-Practice Links.** Practicum experiences will be a large component of the program, beginning in the summer with an enrichment program planned and implemented by the students. The involvement in a variety of practicum experiences will provide preservice teachers with opportunities to apply learning from course work. University faculty, cooperating teachers, and administrators from local districts will be involved in collaborative efforts to plan links between course work and application in classrooms.

- **Action Research.** A research strand will be woven throughout the program. Students and cooperative teachers will design an action research project that will be shared at an action research symposium at the completion of the program.

- **Thematic Strands.** Major strands, such as multicultural awareness, values, action research, and decision making, will be incorporated throughout the professional courses. Other topics such as classroom management and technology will also be integrated in several of the professional courses.

- **Study of the Subject Matter Knowledge and Structure.** Students will research and discuss the nature and structure of the subject areas while concentrating on their major subject. They will engage in interdisciplinary discussions that will allow them to discern relationships between the subject areas.

- **Reflection.** The ability to reflect on learning about teaching and on the practice of teaching will be developed in small- and large-group discussions, in journal entries, in papers, and in conferences with supervisors and cooperating teachers.

## Admissions

1. Completion of a four-year degree program from an accredited college or university with a minimum GPA of 3.0.
2. Two official transcripts from every college/university attended.
3. Passing scores on TSPC-adopted test(s).
4. Completion of the character reference statement required by TSPC.
5. Recommendations by two supervisory personnel who are acquainted with the candidate's ability and potential for working with students.
6. An interview at the George Fox University campus. Emphasis of interview will be on problem solving and decision making.
7. Completion of the Application for Admission to the Master of Arts in Teaching program.

## Degree Requirements

The Master of Arts in Teaching requires the student to earn a minimum of 36 semester hours, including 15 semester hours of practicum. A cumulative grade point average of 3.0 is to be maintained for successful completion of the program. Students will be encouraged to take the NTE Test of Professional Knowledge prior to graduation from the program. Students may graduate from the program prior to passing the NTE but can not be recommended for licensure until the NTE Test of Professional Knowledge is passed.

## Program Overview

### Summer Semester

|                 |  |
|-----------------|--|
| EDU 501         | The Professional Educator (1)                    |
| EDU 502         | Special Topics for the Professional Educator (2) |
| EDU 510         | Human Development (2)                            |
| EDU 520         | Research Methods I: Readings and Methods (1)     |
| EDU 560         | Language and Literacy (2)                        |
| EDU 575         | Practicum I: Enrichment Program (2)              |
| Total: 10 hours |  |

### Fall Semester

|                 |  |
|-----------------|--|
| EDU 503         | Special Topics for the Professional Educator (2)     |
| EDU 521         | Research Methods II: Assessment and Measurement (1)  |
| EDU 530         | Learning Theory/ Instructional Design (2)            |
| EDU 550         | Curriculum and Instruction (5)                       |
| EDU 576         | Practicum II: Classroom Organization in Practice (3) |
| Total: 13 hours |  |

### Spring Semester

|                 |  |
|-----------------|--|
| EDU 522         | Research Methods III: Evaluation of Teaching (1) |
| EDU 577         | Practicum III: Classroom Teaching (10)           |
| EDU 590         | Graduate Seminar (2)                             |
| Total: 13 hours |  |

Total Semester Hours: 36

## Course Offerings

**EDU 501 The Professional Educator**  
1 hour. Summer. An introduction to the characteristics and role of the professional educator in today's society.

**EDU 502 Special Topics for the Professional Educator I**  
2 hours. Summer. Special topics include guidance and counseling, instructional strategies, the parent/school partnership, special education, school law, and student diversity. In addition, topics will include those requested by students or recommended by school teachers and/or administrators.

**EDU 503 Special Topics for the Professional Educator II**  
2 hours. Fall. Special topics include innovations in methods and materials in all subject areas. Classroom teachers, school administrators, and University faculty will describe and demonstrate methods, materials and programs. There will also be a continuation of topics from EDU 502, such as working with school specialists.

**EDU 510 Human Development**  
2 hours. Summer. The theoretical and practical aspects of human development—birth through adolescence.

**EDU 520 Research Methods I: Readings and Methods**  
1 hour. Summer. Readings and interpretation of published research, both qualitative and quantitative. Focus on issues related to classroom organization, diversity, values, school law, and other educational issues.

**EDU 521 Research Methods II: Assessment and Measurement**  
1 hour. Fall. Methods of assessment and evaluation designed to provide the preservice teacher with a variety of techniques to assess the abilities and needs of diverse learners. Strategies for evaluation will provide means for assessing student learning and the effectiveness of classroom practices. Qualitative and quantitative methods will be explored.

**EDU 522 Research Methods III: Evaluation of Teaching**  
1 hour. Spring. Proposal of an action research project related to the classroom. Students will present their project in an action research symposium.

**EDU 530 Learning Theory/ Instructional Design**  
2 hours. Fall. Theories of learning and associated teaching applications. Methods for unit and lesson planning will be demonstrated.

**EDU 550 Curriculum and Instruction**  
5 hours. Fall. A study of instructional strategies and the design, implementation and evaluation of curriculum. Also included will be the development of Work Sample I. The pattern for course topics presented is the following: nature of knowledge, general methods, subject-specific methods, integrated methods.

**EDU 560 Language and Literacy**  
2 hours. Summer. Discussion of language/reading, writing, communication, and computer literacy, and how they are applied across the disciplines.

**EDU 575 Practicum I: Enrichment Program**  
2 hours. Summer. Planning, teaching and evaluating a week-long enrichment program for students in third through eighth grades.

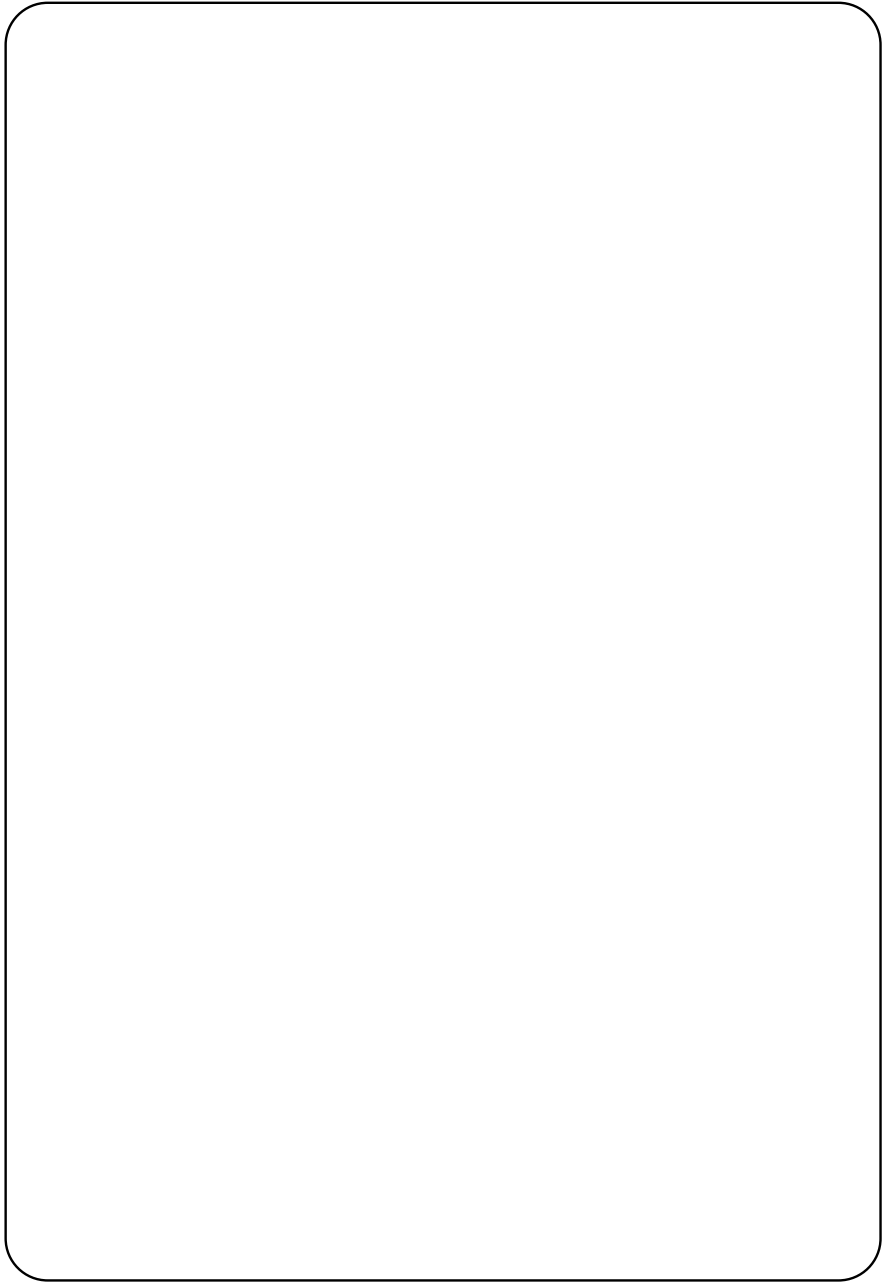
**EDU 576 Practicum II: Classroom Organization in Practice**  
3 hours. Fall. Observation and teaching in an elementary or secondary classroom. An opportunity to plan, implement and evaluate the first Work Sample.

**EDU 577 Practicum III: Classroom Teaching**  
10 hours. Spring. Full-time supervised student teaching. Preservice teachers teach and evaluate lessons, assess student achievement, and evaluate themselves. The second Work Sample will be implemented and evaluated.

**EDU 590 Graduate Seminar**  
2 hours. Spring. A seminar focusing on issues related to current trends and questions in education, classroom organization and management, and ethics/values in teaching. Classroom observations in minority, cross-cultural, and alternative-school settings. Professional transition topics will include résumé writing, job search strategies, placement services, and interviewing skills.

**EDU 595 Special Study**  
1-3 hours. Directed independent study open to graduate students. Prerequisite: Consent of instructor.







The following information applies to both graduate and undergraduate students unless otherwise noted. If a policy is specific to a graduate student, it will be noted as graduate, and if specific to an undergraduate student, it will be noted as undergraduate. Each graduate program of George Fox University has its own policies related to enrollment and academic requirements. Graduate students should consult their own program directors with regard to specific policies.

## ACADEMIC SESSIONS AND CREDITS

The academic year at George Fox University is divided into two semesters of 15 weeks, including a four-day examination period, plus orientation and registration. In addition, George Fox sponsors a May Term, a limited summer program for undergraduates, summer graduate courses in teacher education, business administration and psychology, occasional short courses, and overseas study experiences.

The unit of credit is the semester hour, which normally is granted for the satisfactory completion of a course meeting one period (50 minutes) per week for one semester. Credit for all courses is indicated in semester hours. All student requirements, advancements, and classifications are based on these units.

## GUARANTEES AND RESERVATIONS

George Fox University guarantees that the student may graduate under the general education requirements stated in the Catalog at the time of matriculation, provided attendance is continuous and full time. Likewise, a student may graduate under the major requirements in force at the time of admission to a major field, provided attendance is continuous and full time.

Two exceptions may be noted: (1) In the event of a change in requirements in general education or in a major field, the student may elect to fulfill the requirements of a revised program, provided attendance has been continuous and full time; (2) The University may face a situation beyond control and foresight that may necessitate a revision in available courses. In such situations, the interests of the student will be protected.

The University reserves the right to withdraw courses with insufficient enrollment, add courses for which there is demand, upgrade programs, revise teaching and time assignments, regulate class size, adjust administrative procedures, and determine levels of competence of students and prerequisites for admission to classes and programs.

## UNDERGRADUATE ATTENDANCE

The responsibility rests with the student to maintain good standards involving satisfactory scholarship. Regular class attendance is expected of each student in all courses. Class work missed because of absence may be made up only in the case of prolonged or confining illness, death of relatives, or similar emergencies. Such excuses are obtained from the Student Life Office, the Counseling and Health Service, or the graduate program director. Permission for absences from class for participation in cocurricular University activities must be granted by the Academic Affairs Office. Other absence arrangements are between the student and the instructor.

The University calendar provides the contractual instructional dates for teachers and students. Students are expected to attend classes through the last day of each semester, unless illness or an emergency situation exists. Advance permission for early departure must be requested by the end of the 10th week of classes. Forms may be obtained from the Registrar, and the final decision will be made by the Academic Affairs Office.

## CLASSIFICATION OF STUDENTS

### Graduate Students

Graduate students are defined by requirements set forth by the various graduate programs. Normally a graduate student is one with a B.A. or B.S. degree from a regionally accredited college or university who has successfully met the entrance requirements for graduate study.

### Undergraduate Students

Classification is based upon the student's academic standing in terms of hours and grade points at the beginning of the semester. New students will be classified as regular or provisional students when entrance requirements have been met and official transcripts have been received and evaluated.

### Full-Time Students

Full-time students are enrolled for a minimum of 12 hours in a standard semester for the undergraduate program and eight hours for the graduate program. Only full-time students may represent the University in an official capacity, may hold a major office in an organization, or may live in University housing.

### Regular Students

Students who have satisfied entrance requirements and are following a program leading to a degree are called regular students. They are classified as follows:

- Freshmen: Students who have completed fewer than 31 semester hours
- Sophomores: Students who have completed 31 semester hours
- Juniors: Students who have completed 62 semester hours
- Seniors: Students who have completed 93 semester hours

### Special Students

This classification includes degree and non-degree students generally enrolled for less than 12 semester hours. Any special student wishing to enter a degree program must fulfill regular admissions requirements.

### Probation and Provisional Students

A student whose cumulative grade point average falls below the level established for academic progress (See "Academic Progress and Eligibility," page 121) will be classified as a probation student. A student placed on probation status may continue to receive financial aid. An applicant who does not meet the total expectations for admission may be admitted as a provisional student. All provisional students are required to participate in the George Fox University Academic Success Program (see page 24).

Students admitted provisionally may not enroll for more than 14 or 15 hours in the first semester and must include at least one semester of WRI 095 English Skills. At the completion of a term, the Academic Standing Review Committee considers each provisional student's achievement to determine that sufficient progress has been made for continuance.

### AUDITORS

Subject to instructor approval, any regular or special student may audit courses from which he or she wishes to derive benefit without fulfilling credit requirements. This must be established with the Registrar at time of registration. Class attendance standards are to be met.

### REGISTRATION

All students are expected to register on the days designated on the University calendar and to begin classes on the first day. The Registrar annually publishes a class schedule booklet with specifics for registration. In addition, each student should be aware of the regulations that appear under the title "Course Numbering System" on page 30.

## GRADUATE ADVISING AND LOAD

A typical graduate student load is 12 hours in a given semester. Eight hours is required for full-time status. Normally the student's load is determined by graduate program requirements and in consultation with the student's advisor. Advisors are assigned early in the student's program.

## UNDERGRADUATE ACADEMIC ADVISING

New freshmen may have received initial academic advisement by an admissions counselor. However, all new freshmen are assigned a freshman advisor as part of the Freshman Seminar Program. This advisor will serve as the academic advisor for the freshman year and will also teach a section of the Freshman Seminar course. Freshmen will select or be assigned a faculty advisor in their area of interest prior to pre-registration for the following year.

Each returning, transfer and readmit full-time student is assigned a faculty advisor to provide guidance in planning an academic program. This advisor may be changed by request as a student develops an interest area and forms natural lines of helpfulness and acquaintance. Other teachers and administrators may serve as resource persons in guidance and counseling.

It is the responsibility of the student to become familiar with policies and procedures outlined in the Catalog. For example, many upper-level courses are offered in alternate years, but this should be no problem if there is advance planning and if courses are taken in the proper sequences. Advisors will aid as requested, but students must be responsible for their own programs.

## UNDERGRADUATE ACADEMIC LOAD

The student's load will be determined in conference with the student's advisor. Sixteen hours per semester is a normal University load. Students who carry fewer hours are adding considerably to the cost of education by extending the time involved to earn their degree. Ordinarily, the first-semester freshman will register for no more than 16 hours. Provisional students will be limited to 14 or 15 hours. No student may enroll for more than 20 hours, except by special permission of the faculty advisor and the Registrar.

The following is suggested as a satisfactory relationship between the student's academic load and his or her on- or off-campus work:

| <i>Work</i>            | <i>Academic Load</i> |
|------------------------|----------------------|
| Not more than 18 hours | 15-17 semester hours |
| Not more than 24 hours | 12-14 semester hours |
| Not more than 30 hours | 10-12 semester hours |

FRESHMEN: All freshmen are expected to register for WRI 110 Freshman Composition, in the first year. In addition, all freshmen are expected to register for GED 101, 102 Literature of the Old and New Testaments, physical education, and a general education sequence in the first year.

A common "rule of thumb" is to anticipate two hours of study for each hour of class. Classes that meet more frequently per week than the credit given will demand less outside study.

## COURSE ADDITIONS

- After classes begin, a later admission to class must have the approval of the Registrar and consent of the instructor involved on a form available in the Registrar's Office.
- The last day to add courses or to exercise a pass/no pass option is established in the calendar in this Catalog.

## COURSE WITHDRAWALS

- A student wanting to drop or withdraw from a class or from the University must secure the proper form from the Registrar's Office. Without the form, an "F" is recorded for all courses involved. There is a fee of \$10 for a course withdrawal, though not for complete withdrawal from the University.

- Withdrawal from a course (with a "W") must be completed within the first nine weeks of the semester. Beyond this date, a petition to the Vice President for Academic Affairs is required, and cause (emergency conditions) must be established. See calendar in this Catalog.

## THE GRADING SYSTEM

Semester grades are determined by the instructor's evaluation of the student's daily participation in class, performance on periodic tests, work on research papers and class projects, and achievement on final examinations. Grade points are assigned for each hour of credit earned according to the following system:

| <i>Letter Grade</i> | <i>Meaning</i>                  | <i>Points Per Semester Hour</i> |
|---------------------|---------------------------------|---------------------------------|
| A                   | Superior                        | 4                               |
| B                   | Good                            | 3                               |
| C                   | Average                         | 2                               |
| D                   | Passing but inferior            | 1                               |
| F                   | Failing                         | 0                               |
| I                   | Incomplete                      | 0                               |
| W                   | Official withdrawal             | 0                               |
| X                   | No grade reported by instructor | 0                               |
| P                   | Pass (average or above)         | 0                               |
| NP                  | Not passing                     | 0                               |
| L                   | Long-term                       | 0                               |

Plus (+) and minus (-) grades may be designated by a professor and will be entered on the transcript. However, points per semester hour will be calculated in whole numbers.

The grade "I" is allowed if a student incurs illness or unpreventable and unforeseeable circumstances that make it impossible to meet course requirements on time. Request for an "I" grade is initiated with—and approved by—the Registrar. A contract showing the work to be completed and the completion date is prepared in consultation with the instructor and filed with the Registrar.

An "I" not completed in one year becomes permanent, and the course must be repeated if credit is desired.

An "L" grade (long-term grade) designates satisfactory progress in a course whose objectives continue for more than one semester. The "L" will be replaced by either a "P" grade or a point-receiving grade. This is not an incomplete or "I" grade.

An "X" grade indicates the instructor did not report a grade to the Registrar's Office.

A student may repeat a course in which the grade of "D," "F," "W" or "I" is received, but the first grade also remains on the record. The cumulative grade point average is computed on the last grade achieved.

## The Dean's List

Those who achieve and maintain a 3.5 grade point average or above on 12 or more hours of graded work completed by the end of the semester are eligible for the Dean's List.

## Pass/No Pass Policy (Undergraduates Only)

A student who has a cumulative GPA of 2.00 or better and who has completed 62 semester hours may choose to take one course per semester on a pass/no pass basis from elective courses outside his or her major and the University's general education requirements. An application form must be filed with the Registrar no later than the published deadline for exercising the pass/no pass option.

The teacher submits a regular grade to the Registrar, who converts the regular grade of "C" or above into "pass." A grade below "C" becomes a "no pass," and the course must be repeated on a satisfactory level to receive credit.

Courses offered only on a pass/no pass basis are field experience (e.g., 275/475); WRI 095 English Skills; THE 165/365 George Fox University Players; EDU 375/475 Student Teaching I, II; Juniors Abroad; and GED 130 Freshman Seminar.

Field experience and Honors Colloquium (GED 271, 272, 371, 372) may be pass/no pass at department option, or in absence of department policy, at the student's option. All other courses in the University receive grades.

## ACADEMIC PROGRESS AND ELIGIBILITY

### Graduate Students

Graduate students are expected to be aware of the policies related to satisfactory academic progress within their own graduate program. Students are expected to maintain satisfactory academic progress as defined by their degree program.

The student's semester grades with a semester GPA and a new cumulative GPA are posted on the grade report given to the student within two weeks following the close of each semester. The GPA is based on George Fox University credits only.

A student not achieving satisfactory academic progress (as defined by the graduate program in each school) may be academically suspended or dismissed. Students may appeal an academic suspension or dismissal through the Academic Standing Review Committee. All appeals must be made in writing and directed to the University Registrar. Students may be asked to appear before the committee.

### Undergraduate Students

A student on regular, probation or provisional status is considered to be making reasonable academic progress. The student's semester grades, with a semester GPA and a new cumulative GPA, are posted on the grade report given to the student within two weeks following the close of each semester. The GPA is based on George Fox University credits only.

To be eligible for student government positions, a student must maintain a GPA of 2.25 or better. To be eligible for intercollegiate athletics, the standards of the National Collegiate Athletic Association (NCAA) Division III must be met.

Whenever the GPA for a given semester is below 2.00, a student receives a warning and is encouraged to contact the academic advisor, who will assist in the development of improved study plans and encourage better use of reading and library skills.

A student is on probation when his or her cumulative grade point average falls below the following standards: 1-15 hours, 1.7; 16-31 hours, 1.8; 32-47 hours, 1.9; 48-62 hours, 2.0. The student is given one semester of probation to achieve the above standard. Beginning freshmen not admitted provisionally are allowed two or three semesters of academic experience before suspension is administered.

In addition to satisfactory grades, for financial aid purposes the student must also show that a degree program will be completed in six years or less given full-time attendance. This means that in addition to enrolling for at least 12 credits each semester, the student must also successfully complete a minimum number of credits each semester.

A student not achieving reasonable progress, as determined by the Academic Standing Review Committee, may be given academic suspension. After one or more semesters have elapsed, the student may apply for readmission, and if admitted, reenter provisionally. The Academic Standing Review Committee may also recommend academic dismissal. Students who are dismissed may not apply for readmission at George Fox University.

The University may suspend or dismiss any student who fails to earn a GPA of at least 1.00 during a semester, regardless of classification or number of hours completed, or any students who become so indifferent that they no longer benefit themselves or the University community.

## Academic Appeals

Academic actions can be appealed to appropriate University authorities and an Academic Appeals Board. Appeals are taken to be good faith actions that request reexamination of academic decisions. All appeals must be made within limited time frames depending upon the action being appealed. Additional information is available in the Academic Affairs Office.

## GRADUATION REQUIREMENTS

A student wishing to receive a Bachelor of Arts or a Bachelor of Science degree must meet the following requirements:

1. Accumulate at least 126 semester hours with a minimum grade point average of 2.00. The GPA is computed on work taken at George Fox University only;
2. Accumulate at least 42 upper-division semester hours (courses numbered 300 or above);
3. Complete the general education requirements;

4. Complete a major in a chosen area with no grade below a “C” in upper-division courses;
5. Complete at least 30 semester hours in residency (20 hours must be in senior year; 20 of the last 30 hours must be completed at George Fox University);
6. Complete at least 10 hours of one’s major in residency;
7. File a request for a Graduation Degree Audit two semesters or 30 hours before anticipated graduation;
8. File an Application for Degree form not later than completion of 100 semester hours toward graduation (normally the semester before expected graduation); and
9. Pay in full all accounts at the Business Office.

In order to participate in commencement and baccalaureate ceremonies, a student must have completed all degree requirements. Exceptions include a student registered for a post-commencement May Term course that is part of the degree program, and a fourth-year engineering student eligible for the B.S. degree in applied science whose first year in a cooperating engineering school may not be completed at the time of the George Fox University commencement.

## Second Degree

A student wishing to receive a second or concurrent degree must meet the following requirements:

1. Complete a minimum of 30 semester hours for the “second” degree above the minimum 126 hours required for the “first” degree;
2. Meet the major and general education requirements for each degree;
3. Be in attendance the last two semesters or 30 hours preceding the awarding of the “second” degree; and
4. Pay an additional \$20 graduation fee if participating in one ceremony; otherwise, pay an additional \$50 graduation fee for the “second” degree.

## Graduation Honors

*Summa cum laude* is awarded to students with a cumulative grade point average of 3.90, *magna cum laude* to those with a 3.70 GPA, and *cum laude* to those with a 3.50 GPA. Transfer students must have completed at least 60 hours at George Fox University to be eligible for honors at graduation.

Honors in the commencement program are computed on grades through the fall semester for spring graduation, and through the previous spring semester for fall graduation. Honors on the final record and transcript are based on all grades received at George Fox University. Rank in class is determined on all grades earned at George Fox University and on any accepted in transfer.

## FINAL EXAMINATIONS

Students are required to take final examinations as specified in course syllabi. The final examination schedule covers the last four days of each semester. The schedule is printed in the class schedule each year. Finals for evening classes take place during the final class period of the semester. The entire last week of each semester will be kept free of institutionally sanctioned extracurricular activities, with the exception of prescheduled intercollegiate athletic events. Students wishing to apply for change of final exam time must apply by the end of the 10th week of classes.

## ACADEMIC HONESTY

It is assumed that students at George Fox University will endeavor to be honest and of high integrity in all matters pertaining to their college life. A lack of respect and integrity is evidenced by cheating, fabricating, plagiarizing, misuse of keys and facilities, removing books and other property not one’s own, defacing and altering, and the disruption of classes.

Cheating is defined as “intentionally using or attempting to use unauthorized materials, information or study aids in any academic exercise.” It is assumed that whatever is submitted by a student is the work of that student and is new work for that course. Fabrication is “intentional and unauthorized falsification or invention of any information or citation in an academic exercise or form.” Plagiarism is “intentionally or knowingly representing the words or ideas of another as one’s own in any academic exercise.” One who facilitates any of the above is equally responsible with the primary violator.

Penalties may include restitution, an “F” on an individual paper or exam, loss of campus position or employment, an “F” on a course, disciplinary probation, removal from extracurricular or athletic activities, and suspension.





## **BASIS OF UNDERGRADUATE ADMISSION**

The University admits applicants who evidence academic interests and ability, moral character and social concern, and who would most likely profit from the curriculum and Christian philosophy of George Fox University. These qualities are evaluated by consideration of each applicant's academic record, test scores, recommendations, interview reports, and participation in extracurricular activities.

Admission is possible for the opening of any semester.

George Fox University reserves the right of admission or readmission of any student at its discretion.

The University does not discriminate on the basis of age, sex, race, color, national origin, or handicap in its educational programs or activities.

## **ADMISSION PROCEDURES FOR FRESHMEN**

In order to provide a solid foundation for college-level work, it is recommended that the applicant present the equivalent of 16 academic units from an approved high school. The following units are suggested: English, 4; social studies, 2; science, 2; mathematics, 2; foreign language, 2; and health and physical education, 1.

Approximately 85 percent of the freshman class come with an "A" or "B" high school grade average. The Admissions Committee may offer provisional admission to students with low high school grades and low entrance examination scores.

## **Procedures**

1. Write to the Office of Undergraduate Admissions, George Fox University, 414 N. Meridian, Newberg, Oregon 97132, for information and admissions forms.
2. Complete the Application for Admission and return it to the Admissions Office. Include a non-refundable application fee of \$30.
3. Request a transcript of academic credit from the secondary school last attended.
4. Have two recommendation forms completed and sent to the Admissions Office: one by a high school principal or counselor and one by a pastor.
5. Submit entrance examination scores. The Scholastic Aptitude Test (SAT) or American College Test (ACT) will be accepted. Tests should be taken in your junior year or early in your senior year. Contact your high school principal or counselor for information concerning these tests.

*As soon as an admissions file is completed, the applicant is notified of the Admissions Committee's decision.*

6. By June 15, 1997, a tuition deposit of \$150 must be submitted by each new full-time student. This deposit reserves housing and a place in the registration sequence. Until May 1, \$130 is refundable by written request. The spring semester tuition deposit deadline is December 15. Partial refund will be granted until December 1.

7. A health history form is sent to each student who has paid a tuition deposit. This must be completed personally and sent to the address on the form. Registration will not be considered complete without the questionnaire. Immunizations must be documented as indicated on the Certificate of Immunization Status form.

8. If applying for financial aid, it is recommended that a Free Application for Federal Student Aid (FAFSA) be submitted to the appropriate financial aid service as soon after January 1 as possible. Forms may be obtained from high school counseling offices or by writing to the Financial Aid Office at George Fox University. After students have been accepted for admission, they are considered for financial assistance. To permit maximum consideration for financial aid, it is recommended that the application process be completed by March 1.

## ADMISSION PROCEDURES AND POLICIES FOR TRANSFER STUDENTS

### Procedures

1. Write to the Office of Undergraduate Admissions, George Fox University, 414 N. Meridian, Newberg, Oregon 97132, for information and admissions forms.
2. Complete the Application for Admission and return it to the Admissions Office. Include a non-refundable application fee of \$30.
3. Request an official transcript from each college where previously registered. An applicant may also be asked to furnish a high school transcript.
4. Have two recommendation forms completed and sent to the Admissions Office: one by a college instructor or counselor and one by a pastor.

*As soon as an admissions file is completed, the applicant is notified of the Admissions Committee's decision.*

5. Transfer students applying for admission during the first year out of high school should submit entrance examination scores. The Scholastic Aptitude Test (SAT) or American College Test (ACT) will be accepted.
6. By June 15, 1997, a tuition deposit of \$150 must be submitted by each new full-time student. This deposit reserves housing and a place in the registration sequence. Until May 1, \$130 is refundable by written request. The spring semester tuition deposit deadline is December 15. Until December 1, \$130 is refundable.
7. A health history form is sent to each student who has paid a tuition deposit. This must be completed personally and sent to the address on the form. Registration will not be considered complete without the questionnaire. Immunizations must be documented as indicated on the Certificate of Immunization Status form.

8. Have the financial aid office at each college previously attended complete a Financial Aid Transcript and return it to the Financial Aid Office at George Fox University. The Financial Aid Transcript must be completed whether or not aid was received at these institutions.

9. If applying for financial aid, it is recommended that a Free Application for Federal Student Aid (FAFSA) be submitted to the appropriate financial aid service as soon after January 1 as possible. Forms may be obtained from your college financial aid office or by writing to the Financial Aid Office at George Fox University. After students have been accepted for admission, they are considered for financial assistance. To permit maximum consideration for financial aid, it is recommended that the application process be completed by March 1.

A student must be free from academic or behavioral probation or suspension at all colleges previously attended to be eligible for admission to George Fox University.

### Policies

Students who have completed work at other educational institutions may be entitled to advanced standing by presenting official transcripts. George Fox University applies the accepted credits toward the general education requirements, electives, and the student's chosen major.

Certain criteria are involved in the evaluation:

1. Only course work with a "C" or better grade will be accepted. (The grade point average does not transfer. A student's GPA is computed on work at George Fox University only.)
2. A maximum of 64 semester hours may be transferred from community colleges. Each course from community college programs, except for courses completed for the Oregon Transfer Associate of Arts (OTAA) degree, is evaluated by the Registrar for application to George Fox University requirements.

3. The Oregon Transfer Associate of Arts degree will satisfy all general education requirements except Bible and religion provided students complete 93 quarter hours (62 semester hours) of transferable credit graded "C" or better. The OTAA degree may not necessarily meet school, department or major requirements with regard to courses or GPA.

4. A maximum of 40 semester hours of Bible and Christian ministries may be applied on a degree in a major other than Bible and Christian ministries.

5. A maximum of 15 semester hours of approved correspondence work may be applied toward a degree program.

Any evaluation of transfer credit is to be considered tentative until the student has completed one semester of no less than 12 hours.

Each student must complete a minimum of 30 semester hours in residence for the bachelor's degree. Twenty hours must be in the senior year. Additionally, transfer students must complete at least 60 hours at George Fox University to be eligible for honors at graduation.

## GRADUATE ADMISSIONS

George Fox University offers five graduate programs: a doctoral program in clinical psychology (Psy.D.) and four master's level programs in business administration (M.B.A.), education (M.Ed.), teaching (M.A.T.), and Christian studies (M.A.C.S.). Seven additional graduate programs are available through Western Evangelical Seminary. (Please refer to WES publications for details concerning these programs.) To be considered for admission, applicants are normally required to have a bachelor's degree from a regionally accredited college or university with a minimum 3.0 grade point average in their last two years of academic work.

Individual graduate programs have unique admission requirements and procedures established by the University. Application information for graduate study is available upon request. Write to the Graduate Admissions Office, George Fox University, 414 N. Meridian St. #6039, Newberg, OR 97132-2697; or request an application by calling (800) 765-GFOX (4369).

Meeting minimum entrance requirements of a given program does not guarantee admission. Admission may be granted to applicants who do not meet all admission requirements at the minimal level if other indicators suggest probable success in the program.

Standardized admissions examination requirements vary according to program. Information about required tests and testing dates and sites may be obtained from the Graduate Admissions Office at George Fox University.

### **Admission Procedures For Graduate Students**

Application deadlines for graduate programs vary. Please consult the application packet and program brochure for complete information.

Applicants to graduate programs at George Fox University must submit the following materials to the Graduate Admissions Office:

1. Application for admission to the appropriate program for which admission is sought. (A second application to George Fox University is not required.)
2. \$25 application fee.

3. If applicable, a passing score on the program-required entrance examination. Scores normally must be less than five years old to be acceptable.

4. Official transcripts from post-secondary institutions attended (two official copies are required for the Master of Arts in Teaching and Master of Education programs).

5. Three or four recommendations, depending on the program for which admission is sought (forms are included in the application packet).

6. Admission Statement or Writing Sample, as required by the program.

7. An interview is part of the admission process for all graduate programs. Applicants will be contacted by the University if selected for advancement to the interview stage.

8. If applying for financial aid, complete a Free Application for Federal Student Aid and submit it to the processing agency as soon after January 1 as possible. Forms may be obtained by writing to the Financial Aid Office or Graduate Admissions Office at George Fox University. Students are considered for financial assistance after they have been accepted for admission. To permit maximum consideration for financial aid, it is recommended that the application process be completed by May 1.

Refer to application packets or Catalog descriptions of individual degree programs for the specific admission requirements.

*George Fox University reserves the right to select students on the basis of academic performance and personal qualifications. George Fox University does not discriminate on the basis of age, race, sex, handicap, or national or ethnic origin in its educational programs or activities.*

### **SERVICES TO PHYSICALLY CHALLENGED STUDENTS**

A caring campus community—students, staff and faculty—reaches out helpfully and appreciatively to the disadvantaged. Physically challenged students are welcomed, respected, and assisted to grow.

Residence hall rooms on the first floor of Pennington Residence Hall have been designated and equipped for physically challenged student housing as needed. There is access for wheelchairs and accommodation for a guide dog.

Instructional assistance for visually challenged students is available through the learning laboratory and assistance from readers. Where necessary, course requirements are adjusted to extend but not exceed the capability of the student.

Physically challenged students needing accommodations should contact the Registrar's and Student Life offices well in advance of attendance so that specific attention can be made to assist in providing living arrangements and learning materials.

## INTERNATIONAL STUDENTS

George Fox University is authorized under federal law to enroll non-immigrant alien students. Prospective students who are not United States citizens are encouraged to apply early. To be considered for admission, an international student must complete all general admissions procedures required of American students and submit a Declaration of Finances form or demonstrate adequate funds by a certified bank statement. Immunizations must be up-to-date and documented.

International students (F-1 visa students or J-1 visa students) must show proficiency in the English language by posting a score on the Test of English as a Foreign Language (TOEFL) of at least 500 and a score on the Test of Written English of at least 4. Students with a score between 520 and 550 will be provided a one-hour tutorial during their first semester at George Fox University to improve their ability to write in English and to develop more effective study strategies. Students not showing proficiency at the above-described levels may apply for admission to the George Fox University English Language Institute (see page 39).

## READMISSION OF FORMER STUDENTS

To apply for readmission after an absence of one or more semesters, a student should request an Application for Readmission from the Admissions Office. If two or more years have elapsed, he or she must meet any new or revised graduation requirements and may be asked to go through regular admission procedures.

By June 15, 1997, a \$150 tuition deposit must be submitted by each readmitted student. Until May 1, \$130 is refundable. The spring semester tuition deposit deadline is December 15. Until December 1, a partial refund will be granted.

Students who drop out to attend another program risk acceptance of that credit on return unless such has been approved by the Registrar prior to leaving.

## PART-TIME STUDENTS

Individuals who would like to take less than a full-time load (1-11 hours) may apply as a part-time student. Application forms and counseling regarding courses are available in the Registrar's Office. Applicants are required to pay the nonrefundable \$30 application fee, and tuition is based on the current per-credit-hour rate.

## HOME SCHOOL STUDENTS

Students who attended home school during their high school years may be admitted to the University by following the admissions procedures for freshmen. A General Education Development (GED) Test may be required if a transcript is not available or is in question. Home school students are considered for performance grants and scholarships. Additionally, home school students must submit SAT or ACT scores.

## HIGH SCHOOL NONGRADUATES

An adult whose high school preparation is incomplete may be admitted on the basis of the General Education Development Test, provided the average standard score is at least 53 with no one score below 48. A high school or two-year college counseling center can supply details.

## AUDITORS

By permission of the Director of Admissions and the Registrar's Office, it is possible to audit classes. Auditors pay a reduced tuition fee. Students do not complete course requirements, and no college credit is earned.

## OLDER ADULTS

Any person 62 years of age or older may enroll in traditional undergraduate courses for credit or audit without a tuition charge. A service fee of \$20 per semester is required, plus a fee for materials if such are essential to the course. A small charge may be necessary for continuing education courses in which the primary enrollment is older adults. Unless limited by space, equipment or essential background, all courses are open. Application is through the Registrar's Office. Counseling in regard to courses is available in the Registrar's Office. This privilege does not apply to enrollment in the management and organizational leadership or management of human resources programs, nor in graduate courses.

## EARLY ADMISSION OF HIGH SCHOOL STUDENTS

An early admissions program is available to qualified high school students. This permits study at George Fox University while a student completes a high school program.

### Eligibility Requirements

- An applicant must have completed the junior year of high school.
- An applicant who has completed the senior year of high school is not eligible.
- Early admission students must receive grades of "C" or better to remain in the program.

### Application Procedures for Early Admission

1. Contact the Admissions Office for admissions forms.
2. Complete the Application for Admission and return it to the Admissions Office with the \$30 application fee and indicate your choice of courses.

3. Request a transcript of academic credit from the secondary school attending.
4. Have two recommendation forms completed and sent to the Admissions Office, one by a high school principal or counselor and one by a pastor.
5. Upon completion of the application, an applicant will be notified concerning admission and registration.
6. Only one course of no more than four hours may be taken during any regular semester, unless a lightened high school load is possible.
7. Early-admission students in good standing are automatically admitted to the University upon graduation from high school. All additional credentials must be received before college enrollment.

### Cost and Credit

- Early-admission students may take a maximum of 12 semester hours of work with a tuition charge of \$35 per credit hour.
- Credit during early admission may be applied to degree programs at George Fox University without additional charge.
- Credit earned during early admission may be transferred to other colleges or universities upon payment of regular tuition and fees in effect at the time the course was taken.
- After the completion of 60 semester hours (two years) at George Fox University, a student may transfer the hours taken during early admission without an additional payment.

## ADVANCED PLACEMENT — HONORS PROGRAM

Past learning and present ability may recommend that course work begin at an advanced level. This may involve granting of credit or waiving certain prerequisites or University requirements. See "Exemptions and Waivers," page 30; "Course Challenge Programs," page 20; and "Intensified Studies Program," page 25.

## CAMPUS VISITATION

Students interested in enrolling at George Fox University are encouraged to visit the campus, preferably when classes are in session. A visit provides an opportunity to observe classes, see the campus facilities, and talk with students and professors. It also will give University personnel an opportunity to get to know the student better. When possible, visits should be arranged five days in advance through the Admissions Office, which is open on weekdays, 8:00 a.m. to 5:00 p.m.

Prospective graduate students may arrange campus visits by contacting the Graduate Admissions Office at (800) 765-GFOX (4369).

## SPOUSE ENROLLMENT PROGRAM

Spouses of full-time undergraduate and graduate George Fox University students may take courses, without credit, at a reduced rate. After completing a part-time application form and paying a \$30 fee, the spouse may take up to two courses per semester for \$15 a course.

If the spouse would like credit for the class at a later date, the prevailing tuition charge for the courses at the time they were taken would need to be paid.



George Fox University maintains high educational standards at the lowest possible cost. The individual student pays about 74 percent of the actual cost of education. The remainder of the cost is underwritten by gifts from alumni, friends, churches, businesses and institutions. An extensive financial aid program assists students in meeting college costs.

The Board of Trustees reserves the right to adjust charges at any time, after giving due notice. No changes will be made during a semester, nor, unless special circumstances make such action necessary, will changes be made during a given academic year.

## COSTS

*Estimated Cash Outlay for Typical Entering Undergraduate Student, 1996-97 (two semesters)*

|                              | <i>Fall<br/>Semester</i> | <i>Spring<br/>Semester</i> | <i>Total</i>    |
|------------------------------|--------------------------|----------------------------|-----------------|
| Tuition<br>(12 to 17½ hours) | \$7,150                  | \$7,150                    | \$14,300        |
| Student Body Fee             | 66                       | 66                         | 132             |
| Activities Fee               | 9                        | 9                          | 18              |
| Health Fee                   | 35                       | 35                         | 70              |
| Continuing Deposit           | 100                      | —                          | 100             |
| <b>Total</b>                 | <b>\$7,360</b>           | <b>\$7,260</b>             | <b>\$14,620</b> |

|  |                |                |                 |
|--|----------------|----------------|-----------------|
| Board and Room<br>(Complete food service and residence hall room,<br>double occupancy) | \$2,320        | \$2,320        | \$4,640         |
| <b>Total, resident students</b>  | <b>\$9,680</b> | <b>\$9,580</b> | <b>\$19,260</b> |

These costs do not include travel, books, and personal expenses, which will vary widely among students. Costs of books can be expected to average about \$200 to \$300 per semester, depending on courses taken.

## TUITION, FEES AND EXPENSES (1996-97)

### Tuition — Undergraduate

|  |                                  |
|--|----------------------------------|
| 1 to 11½ credit hours per semester                                   | \$445 per hour                   |
| 12 to 17½ credit hours per semester                                  | \$7,150<br>per semester          |
| More than 17½ credit hours per<br>semester, for each additional hour | \$395                            |
| May Term, per credit hour  | \$223                            |
| Early admission  | \$35 per credit hour             |
| Older adults (62 and older)  | \$20<br>service fee per semester |
| ESL students (20-hr. maximum)  | \$5,150 per semester             |

### Tuition — Graduate

|                                      |  |
|--------------------------------------|--|
| Master of Education                  | \$345 per hour   |
| Master of Arts in Teaching           | \$14,700 per program                                       |
| Master of Arts in Christian Studies  | \$445 per hour   |
| Master of Business<br>Administration | \$20,450 per program<br>(includes tuition, books and fees) |
| Doctor of Psychology                 | \$445 per hour   |
| Internship: full time, per semester  | \$2,465  |
| part time, per semester              | \$1,233  |

Both undergraduate and graduate courses may be audited for half the applicable regular charge.

### Student Body Membership

Students registered for 12 hours or more each semester (graduate students – 8 hours or more) ..... \$66 per semester

Students registered for 5-11 hours each semester (graduate students – 4-7 hours) ..... \$33 per semester

The full membership covers student activities, class dues, social events, the Student Union Building, and subscriptions to Associated Student Community publications.

### Activities Fee

All students registered for 5 hours or more each semester (graduate students – 4 hours or more) ..... \$9 per semester

Entitles students to attend basketball games and some drama/music theatre events free of charge.

**Deposits and Admission Fees for 1996-97**

|   |       |
|---|-------|
| Application Fee (nonrefundable, submitted with application for admission) .....   | \$30  |
| Tuition Deposit (required of all new full-time students, this deposit insures housing priority and registration privileges based on date of receipt; used as credit on first-semester bill) ..... | \$150 |
| Tuition Deposit for Graduate Students.....  | \$100 |
| Continuing Deposit (required of all full-time students; charged on first-semester bill and held on deposit until departure) .....   | \$100 |

**Registration, Records and Graduation Fees**

|  |                 |
|--|-----------------|
| Late Registration Fee (applicable if registration is not made prior to the first day of classes each semester) ..... | \$25            |
| Change of Registration Fee, per change form after second week of semester .....                                      | \$10            |
| Examination Fee, for credit by examination, challenge, or exemption from specific requirement.....                   | \$40 per course |
| Graduation Fee:  |                 |
| Undergraduate.....   | \$100           |
| Master's degree .....  | \$130           |
| Doctor of Psychology degree .....  | \$160           |
| Thesis processing:   |                 |
| Psy.D. dissertation .....  | \$184.50        |
| Personal copy, per bound copy .....  | \$29            |
| Copyright fee (optional).....  | \$35            |
| Transcripts, per copy .....  | \$3             |
| Placement File Setup Fee .....   | \$10            |
| Placement File, per set.....   | \$7             |
| Additional sets with same order.....   | \$3             |

**Departmental Fees**

|  |          |
|--|----------|
| Chemistry Fee .....  | \$10-30  |
| Communication/video production courses.....  | \$10-50  |
| Off-campus physical education activity, per semester*.....   | \$20-300 |
| Private music lessons, per semester (includes one half-hour lesson per week and use of practice room)..... | \$205    |

Other: Several classes require an extra fee to cover special facilities, equipment, transportation, etc., ranging from \$10 to \$50 per class, although some specific courses may be higher.

*\*Students pay a fee of \$20-\$300 to cover costs of facilities, equipment, and transportation for any physical education course conducted off campus, such as swimming, bowling, golf, skiing and canoeing. Personal rackets are required for tennis.*

**Business Office Fees**

Account Service Charge: Open accounts (other than installment plans) are subject to a one-percent-per-month service charge on the unpaid balance.

Returned check fee, per check .....

\$10

**Health/Counseling Fee**

Per semester.....

\$35

This fee provides access to the Health and Counseling Service.

Evidence of acceptable medical insurance for accidents, sickness and prolonged illness is required of all full-time students. Students are required to enroll in the University-approved student medical insurance plan unless an insurance waiver form is submitted at the time of registration indicating comparable coverage elsewhere. A new waiver form must be submitted each academic year.

The premium is subject to change each year by the underwriter but is approximately \$500 for 12 months coverage, payable on the first-semester billing.

**Parking Fee**

Student vehicles must be registered with the Security Office, and a non-refundable parking fee must be paid.

Per semester..... \$30  
Annual..... \$50

**Room and Board**

Room and board is furnished to resident students as indicated in the following. Residence hall rooms are double occupancy; two-room suites are occupied by four students; houses and apartments (for upperclassmen) house from two to 12 persons. There are four single-occupancy residence hall rooms (two for men, two for women). An additional charge of \$200 per semester will be charged for those rooms.

All students living in residence halls, plus non-seniors living in other campus housing, are required to be on the meal plan (unlimited open dining in the Klages Dining Room from 7:15 a.m. to 7:15 p.m. weekdays, 10 a.m. to 2 p.m. and 4 to 6 p.m. weekends).

Breakdown of Costs: Room and Board

|                                  | <i>Semester</i> | <i>Year</i> |
|----------------------------------|-----------------|-------------|
| Room:                            |                 |             |
| Residence hall* .....            | \$1,165         | \$2,330     |
| Suites* .....                    | 1,200           | 2,400       |
| Apartments and houses            |                 |             |
| with phone .....                 | 1,210           | 2,420       |
| without phone .....              | 1,185           | 2,370       |
| Board: Continuous dining         |                 |             |
| 7:15 a.m. to 7:15 p.m. ....      | \$1,155         | \$2,310     |
| weekdays, 10 a.m. to 2 p.m. .... |                 |             |
| and 4 to 6 p.m. weekends .....   |                 |             |

A limited amount of housing is available for married students. Information may be obtained from the Student Life Office.

*\* Telephone charge included*



## SCHEDULE OF REQUIRED DEPOSITS

New full-time students are required to pay a \$150 tuition deposit by June 15. This deposit will be applied against the first-semester tuition.

All new full-time students are required to pay a continuing deposit of \$100 at registration. This deposit is designed to cover student-caused damage, fines, etc., and will be permanently maintained at that balance so long as the student is enrolled. Upon withdrawal, any remaining balance will be refunded to the student as explained under "Refund Policy" on page 133.

### Housing Deposit for Returning Students

1. All students, except graduating seniors, who will live in University-owned housing during the upcoming year will be required to pay a \$100 housing deposit to secure their housing assignment.
2. This deposit will be payable to the Student Accounts Office midway through spring semester. (Date will be published by the Student Life Office.)
3. The deposit will not be refundable. In the case that a student returns to George Fox in the fall and occupies University-owned housing, the deposit will be credited toward his or her account for the fall semester. In the case that a student does not return to George Fox and/or does not occupy University-owned housing, the deposit will be forfeited.

At the time the housing deposit is paid, students must be current on their existing accounts to be eligible to participate in housing sign-ups for the following year. Please see the Student Accounts Office if you have questions about your account.

## FINANCIAL ARRANGEMENTS

All charges made by the University are due prior to the beginning of each semester or may be made on an installment basis by either annual or semester plans. Students receiving scholarships, grants or loans must complete all necessary arrangements well in advance of registration. Students who are securing a loan from financial institutions or agencies (e.g., a federally insured bank loan) that may still be pending at the time of registration must have a letter of commitment from the lender acceptable to the University. Service charges will be made on unpaid accounts even though a loan is pending, so the loan application process should be started early.

Earnings from work-study jobs are given directly to the student. These jobs are not guaranteed, therefore the earnings cannot be credited to a student account in advance. Interest will be charged on accounts being paid from work-study earnings.

Payment for May Term and summer tuition is due in full when billed.

Students may be asked to leave at any time during a semester if appropriate arrangements have not been made at the beginning of the semester or if the student becomes delinquent on installment payments.

### Restrictions

The University will withhold transcript of records and diploma until all college bills have been paid. Students will not be permitted to register for a new semester, including May Term, Juniors Abroad and summer field experience, until all bills are paid for the previous session.

## Refund Procedure

Students entitled to refunds for withdrawal from a class or withdrawal from the University must complete the appropriate form, available from the Registrar's Office.

Upon *completion* of the form, it should be taken to the Student Accounts Office, where the refund, if any, will be determined according to the following refund policy.

### ♦ REFUND POLICY

Refunds on applicable charges will be made at withdrawal within a semester from a course or the University, based on the following refund schedule.

*The date on which the student completes the official withdrawal process will determine the amount of the refund.* In the case of complete withdrawal from the University during a semester, a minimum of \$100 will be retained by the University to cover the costs of registration and processing.

In the case of cancellation of preregistration for fall semester, a minimum of \$100 will be charged by the University to cover the costs of registration and processing if the Registrar's Office is not notified by July 15; for spring semester, notification must be made before the first day of the semester to avoid the minimum charge. In order to receive a refund of the \$100 continuing deposit, notification must be made by July 15 for fall semester or, for spring semester, before the first day of classes. The deposit may be held up to 30 days past the end of the semester in which the student graduates or withdraws, pending receipt by the Student Accounts Office of any fines, penalties or other charges. If there is an outstanding balance on the student's account, the refund will be applied to that balance.

If the minimum \$100 withdrawal charge applies, that part of the \$100 continuing deposit not used for housing fines or other outstanding charges may be applied against the \$100 withdrawal charge.

Refunds for tuition and board charges after the start of a semester will be made according to the following schedule:

|                                  |      |
|----------------------------------|------|
| First week of classes.....       | 100% |
| (Less \$100 minimum charge)      |      |
| Second week .....                | 90%  |
| Third week.....                  | 80%  |
| Fourth week.....                 | 60%  |
| Fifth week.....                  | 40%  |
| Sixth week.....                  | 20%  |
| Seventh and following weeks..... | 0%   |

- No refund of room charges will be made after the first week of classes.
- No refund of tuition and room will be made to students who have been dismissed, except as may be required by federal regulations. Board refund will follow the schedule above.
- Refunds for student body membership fees will be made by the Student Government.
- Refunds for departmental fees will be made according to the amount of the fee still unused. If none of the fee has been used, all of it will be refunded.
- Refunds for tuition deposits will not be given after May 1 for fall semester or after December 1 for spring semester.
- Refunds for school insurance fees will be made only if the withdrawal takes place prior to the sending in of the insurance premium. Thereafter, no refund will be given.
- Financial aid awarded will be adjusted according to federal guidelines for students who withdraw or reduce their course load to less than full time.
- For first-time students, if Title IV government financial aid is involved, a separate schedule will be followed:

|                                |      |
|--------------------------------|------|
| First week of classes.....     | 100% |
| (Less \$100 minimum charge)    |      |
| Second week .....              | 90%  |
| Third week.....                | 80%  |
| Fourth week.....               | 70%  |
| Fifth week.....                | 70%  |
| Sixth week.....                | 60%  |
| Seventh week .....             | 50%  |
| Eighth week.....               | 40%  |
| Ninth week.....                | 40%  |
| Tenth and following weeks..... | 0%   |

## FINANCIAL AID

### Basis of Student Aid

Each family should expect to make every reasonable financial adjustment to provide as much support as possible for college expenses. Financial aid to supplement the family's efforts will be offered under three basic conditions: (1) in consideration of the student's/family's financial need as demonstrated by a uniform method of analysis; (2) in consideration of a student's academic potential, personal interests and abilities, and promise for future leadership; and (3) availability of University funds.

With few exceptions, students must be enrolled full time (at least 12 credits per semester—graduate students, eight credits per semester) to receive financial aid. They must also meet eligibility requirements of the programs from which they receive assistance. Such requirements include maintaining satisfactory academic progress toward a degree, maintaining a minimum grade point average, having financial need, and other specific conditions of federal, state or University regulations.

### Awards Based Upon Financial Need

Financial need is determined by a uniform method of analysis of information the family provides on the Free Application for Federal Student Aid. The need analysis helps the University determine the contribution the family is expected to make. The difference between this family expectation and the cost of attendance at the University is the "need" that financial aid attempts to fill.

Financial assistance awarded by George Fox University takes the form of grants, loans and employment. "Need-based" financial assistance comes from the state or federal government and from the University. Students awarded federal and state aid are subject to the laws regulating those programs. For instance, all federal and state assistance requires signed statements from the recipient attesting that the funds will be used only for educational purposes, that the student is not in default on any government loan nor owing a refund on any government grant, and that the student has registered with the Selective Service or that he or she is not required to do so.

The total financial aid package—including all grants, scholarships and loans—may not exceed the amount of need when federal program funds are included.

Virtually every student in the University who can demonstrate need is awarded funds (grants, loans and/or employment) to assist in meeting the cost of attendance.

### Awards Based on Academic Potential, Personal Interests and Qualities, and Promise of Future Leadership

Many awards for potential academic and other performance abilities, and for personal qualities and affiliations, may be given without considering the financial need of recipients. Many scholarships and grants are available to students who have proven ability in college. Others, such as the honors scholarships, are awarded to both new and returning students.

### Scholarships, Grants, Loans and Student Employment

#### ♦ FEDERAL AND STATE GRANT PROGRAMS

The Federal Pell Grant and the Oregon State Need Grant programs award funds to students on the basis of eligibility standards set by federal and state regulations. The Federal Supplemental Educational Opportunity Grant is funded by the federal government and awarded to students according to eligibility standards set by both the government and the University. Funds from these programs are available only to students who can demonstrate relatively high need.

♦ **UNIVERSITY GRANTS**

The University awards funds to needy students to supplement funds provided by the federal and state programs. If eligible on the basis of financial need, a student with insufficient state or federal funds may receive a George Fox University grant.

♦ **HONORS PROGRAM**

Honors scholarships are granted each academic year to a limited number of qualified students. Financial need is not a criterion for any of the honors scholarships.

The **Presidential Scholarship** is a \$7,500 renewable scholarship awarded to freshmen who are either National Merit semifinalists or students with a predicted grade point average (PGPA) of 4.0 or above. The PGPA is based on the high school GPA and SAT or ACT scores. Continuation of the award is based on a minimum GPA of 3.65 and an annual interview with the Scholarship Committee.

The **Benson Scholarship** is a \$3,600 renewable scholarship first provided in 1973 through a trust from Mr. and Mrs. Thomas Benson. Recipients are incoming freshmen who have a predicted GPA of 3.75 or above, or transfers with a 3.75 GPA. Continuation in the program requires a cumulative GPA of 3.65.

The **George Fox University Science Scholarship** is a \$3,250 renewable scholarship for science majors who have a predicted GPA of 3.5 out of high school. Candidates are recommended by the Admissions Office and approved by the science department. Students apply by March 1. The application process includes SAT scores, seven-semester transcript, and a letter of recommendation from a high school science teacher. Continuation requires a 3.5 GPA.

The **Duke Scholarship** is awarded to academically talented students who also have outstanding leadership capabilities. The stipend of \$2,300 is given to students with a predicted GPA of at least 3.50 based upon high school GPA and SAT or ACT scores.

The **Elizabeth Carey Minas Scholarship** is awarded to academically talented returning students who have a 3.25 GPA and were in the Honors Program in previous years. The annual stipend is \$2,100.

The **Honors on Entrance Scholarship** is for incoming students who have a predicted GPA of 3.25 or above, or are transfer students with a college GPA of at least 3.25. The annual stipend is \$2,500.

The **Jim and Lila Miller Leadership Award** is for students with a minimum GPA of 3.0 who have demonstrated exceptional leadership characteristics through co-curricular activities, student government, or in the local church or community. The stipend will be of varying amounts.

♦ **DRAMA, MUSIC AND FORENSICS SCHOLARSHIPS**

A limited number of awards are made each year to talented students who show promise of achievement in drama, music and forensics. To be eligible, applicants must have satisfactory academic records and unusual proficiency in one or more of the above fields. Auditions or personal interviews usually are required of applicants.

♦ **MINORITY GRANTS**

African-American Student Awards and Hispanic-American Student Awards of \$2,500 are offered to students who meet academic qualifications. Applicants of other selected minority groups (as well as African-Americans and Hispanic-Americans who do not receive the above awards) may receive the \$1,000 Minority Student Award.

♦ **SPECIAL GRANTS**

A limited number of grants are offered to encourage and enable special groups of students to attend George Fox University. Grants of \$1,500 each are awarded to dependents of active ministers and missionaries. Any entering freshman student from California with a high school GPA of at least 3.0 may receive a grant of \$1,400. Any student from a Friends or Evangelical Church of North America church with a high school GPA of 3.0 or a combined SAT score above 1000 may receive a grant of \$1,400. These grants are not based upon financial need. Stipends may be reduced somewhat for students who are eligible for more than one of these grants. Continuation of the California Student Grant or the Friends/ECNA Student Grant requires a cumulative college GPA of at least 3.0.

♦ **CHURCH/UNIVERSITY FELLOWSHIP AWARDS**

The University has established Church/University Fellowship Awards to assist churches in encouraging their young people to attend George Fox University. The church may make a gift of

any amount to the University for credit to a specific student's account. The University will then match up to \$500 of the gift for any such students, and up to \$600 for juniors and seniors who are preparing for Christian service. Gifts may be made for any number of students from a church. In addition, there is a George Fox University/Northwest Yearly Meeting partnership that provides additional assistance of \$200 for students from those churches in the Yearly Meeting that participate in the Church/College Match Program. The gifts must be an official act of the church rather than from individual church members. The deadline is October 1. Applications will be supplied upon request.

#### ♦ TRAVEL GRANTS AND FAMILY DISCOUNTS

Any student who is not from the Northwest may be eligible for a travel grant. The amount of the grant is \$200 and is credited to a student's spring semester account.

Tuition discounts equal to approximately five percent of tuition will be granted to second and additional family members when more than one member of the same family is enrolled at the University at the same time.

#### ♦ OTHER SCHOLARSHIPS AND GRANTS

A portion of the University's endowment fund is designated for the scholarship program. The scholarships and grants listed below are funded by endowments provided by friends of the University. Except as noted, these scholarships are awarded to returning students only. Amounts may vary from year to year.

The **J. Caroline Ankeny Memorial Scholarships** totaling \$2,400 are awarded annually to international students from India, Africa, Bolivia or Peru.

The **Ethel D. Ankeny Memorial Drama Scholarship** of \$250 is awarded to a student active in drama with above-average grades at George Fox University. Financial need is not required.

The **Barbara Armstrong Memorial Music Scholarship** provides \$450 for an upper-division female vocal music major.

The **Austin Scholarship** is intended for academically superior students from Newberg. The \$1,350 stipend is renewable if the student is active in college programs and leadership and maintains a 3.0 GPA. Financial need is not required.

The **Leona and J.D. Baker Student Scholarship** provides \$550 to a sophomore, junior or senior who has a 3.0 or higher GPA and financial need.

The **Robert Barclay Tuition Scholarship** of \$1,100 is funded by Arthur and Fern Roberts. Applicants must be upper-division Quaker students majoring in religion or philosophy. The student's home church must provide a supporting statement. Financial need is required.

The **Viola D. Barkman Memorial Educational Scholarship** is a two-year \$2,100 scholarship for elementary education majors. The recipients must be residents of Oregon, juniors, and have financial need. Applications for the scholarship will be made in the spring semester of the sophomore year to the Director of Teacher Education, with the final approval granted by the Scholarship Committee.

The **Beatty Business/Economics Scholarship** of \$750 is named in honor of Mr. and Mrs. Joseph L. Beatty and contributed by Dr. Howard Kershner. The recipient must be a senior student with a cumulative grade point average of 3.5 and a major in business/economics. Financial need is not required.

The **Richard H. Beebe Memorial Scholarship** provides \$600 for a graduate of Crow High School (Eugene, Oregon). Students from Eugene Friends Church may also be considered. Recipients must have a 2.5 GPA. Financial need is considered.

The **W.B. Brandenburgh Memorial Scholarship**, with a stipend of \$300, is for a student who regularly attends a Newberg-area Friends Church and has a minimum 3.0 GPA.

The **John and Esther Brouger Memorial Pre-medical Scholarship** of \$500 is provided to a student majoring in a pre-medical professional program. Financial need is not required.

The **Florence A. Butler Memorial Scholarship** of \$300 is awarded annually to a junior or senior student majoring in business/economics. Financial need may be considered.

The **J. Stewart Carrick Memorial Scholarship** is an award of \$500 to a student majoring in music.

The **Chehalem Center Community Scholarship**, with a stipend of \$2,000, annually assists a social work/sociology student from Newberg or the Chehalem Valley.

The **Ira and Frieda Compton Business Scholarship** of \$700 is awarded annually to a sophomore, junior or senior majoring in business/economics. Financial need is not required.

The **Ethel Cowgill Memorial Scholarship** of \$550 is awarded annually to a financially needy dependent of a pastor of one of the Northwest Yearly Meeting of Friends churches.

The **Stephen Crisp Communication Arts Scholarship** of \$400 is awarded annually to a student of at least sophomore standing majoring in communication arts. Financial need may be considered.

The **Chris and Diane Walter Davis Memorial Scholarship** of \$850 is awarded annually to a female student.

The **Bill and Jim DeLapp Scholarship** of \$1,000 is awarded annually to a student who resides in one of the 13 western states. Financial need is required.

The **Alfred and Pauline Dixon Memorial Music Scholarships** of \$300 to \$1,000 assist students majoring in music. Financial need is not required.

The **David P. Earhart Memorial Scholarships** range from \$100 to \$500. Students must be members of, or regularly attend, a Friends church or hold pacifist beliefs similar to the Quakers.

The **Gerald Edwards Computer Science Scholarship** of \$250 is awarded to a deserving student majoring in computer information science.

The **M. Lowell and Margaret W. Edwards Health Science Scholarships** ranging from \$500 to \$2,000 are awarded annually to students majoring in science. Preference will be given to students who are preparing for health-related professions. Financial need may be considered.

The **George Fox University Engineering Scholarship** is offered to a junior or senior engineering major with at least a 3.0 GPA. The stipend is for \$1,000.

The **Farmer Family Business/Marketing Scholarship** of \$550 is offered to a business/marketing major. Financial need is considered.

The **Roy and Fern Gage Scholarship** of \$550 is awarded annually to assist a student with need.

The **Russel and Olivia Gainer Christian Ministry Scholarship** of \$800 is awarded to a Christian ministries major, with financial need preferred.

The **Allen Hadley Memorial Scholarship** of \$200 is awarded annually to a junior or senior Quaker student from Northwest Yearly Meeting of Friends who plans to major in music or social services. Financial need is required.

The **Mona Hadley Teaching Scholarship** of \$150 is offered to an education major with a GPA of at least 3.0.

The **Haisch Family Scholarships** totaling \$1,000 are awarded annually to seniors who are members of the Friends Church. One award is designated for a student preparing for the Christian ministry. Another award is designated for a student majoring in one of the natural sciences. Financial need is not required.

The **Lynn Hampton Memorial Education Scholarship** of \$250 is awarded annually to aid a student majoring in elementary education with a minimum GPA of 3.25. Financial need is considered but not required.

The **Laura Smith Haviland Social Studies Teaching Scholarship** of \$1,200 is awarded annually to a student majoring in social studies teaching. Financial need is required.

The **Charles F. Head Memorial Scholarship** is given to juniors or seniors who are international studies majors. The annual stipend is \$550.

The **Erma Martin Hockett Memorial Scholarship** of \$150 is awarded annually from funds contributed by the Richard Johnson family. The recipient must be a junior or senior student majoring in music education or preparing for a career in church music ministry. Financial need is not required.

The **Hal Hockett Memorial Pre-medical Scholarship** of \$150 is awarded annually from funds contributed by the Richard Johnson family. The recipient must be a senior student living in one of the Northwest states, including Alaska. The recipient must be preparing for a health-related profession. Financial need is required.

The **John Dee Hodgdon, Sr., Memorial Scholarship** of \$850 is awarded annually to Friends students to help meet their educational costs.

The **Herbert Hoover Scholarship in History** of \$400 is awarded annually to a student majoring in history. Financial need is required.

The **Clarence and Sue Johnson Scholarship** of \$1,000 is awarded to a student who has financial need.

The **Howard E. Kershner Business and Economics Scholarship** of \$1,050 is awarded annually to students majoring in business and economics. Financial need is not a consideration.

The **Ed Kidd Memorial Scholarship** of \$700 is awarded to a student, sophomore or above, with an interest in writing or ministry. Financial need is required.

The **Esther M. Klages Scholarships** provide funds to deserving students, with preference to international students who intend to return to their native countries to serve in Christian ministries.

The **Mildred Lancaster/Denair Friends Church Scholarship** is given annually to assist a student who is a member or regular attender of Denair Friends Church, or any northern California Friends Church. The annual stipend is \$750.

The **Language Arts Teaching Scholarship** of \$1,200 is awarded annually to a student majoring in language arts teaching. Financial need is required.

The **Debbie Larson Memorial Grant** of \$150 is awarded annually to a student. Financial need may be considered.

The **Alida Macy Memorial Education Scholarship** of \$1,200 is awarded annually to a student of sophomore standing or above majoring in elementary education with a minimum GPA of 3.0. Financial need is required.

The **L. B. and Thelma Martin Business/Economics Scholarship** of \$550 is awarded annually to a junior or senior majoring in business/economics. Financial need is not required.

The **Nard and Sis McGrath Scholarship** of \$2,500 is awarded annually to an incoming Newberg High School graduate. Financial need is not required.

The **McPhee Memorial Grant** of \$800 is awarded annually to a dependent of missionaries actively serving the church in a country other than the United States. Financial need is required.

The **Virginia Millage Memorial Scholarship** provides \$500 to financially assist a junior or senior elementary education major. Financial need is required.

The **Mills Family Christian Service Scholarship** honors the family of Paul Mills, who was an instructor in the Department of Religious Studies at George Fox for 25 years. The stipend of \$1,400 is given to students who are preparing for full-time Christian service.

The **David O. Moberg Scholarship** of \$1,200 is awarded annually to a student majoring in psychology or sociology. Financial need is required.

The **Mock Family Scholarship** of \$600 is awarded annually to a student from Banks School District #13. Financial need may be considered.

The **George H. Moore Memorial Scholarship** of \$400 is awarded annually to a student majoring in psychology. Financial need is required.

The **Edward L. and Ella M. Morse Memorial Scholarship** of \$150 is awarded to a deserving student who has financial need.

The **Henry A. Nagl and Eddie Daniel Memorial Scholarship Fund** of \$900 is awarded annually to help deserving students meet college costs. Financial need must be considered.

The **Fred C. Neumann Memorial Scholarship** of \$700 is awarded annually to a Quaker student who lives in Colorado. First preference will be given to a student from Denver. Financial need is not required.

The **Osburn Grant** provides funds for students who would otherwise be eligible for the Oregon State Need Grant but disqualify because they are Christian ministries majors.

The **Paul G. and Ruth R. Palmer Scholarship** of \$550 is awarded to a junior or senior majoring in the sciences.

The **William Penn Writing Scholarship** of \$400 is awarded annually to an upper-division student majoring in writing/ literature or communication arts. Financial need may be considered.

The **Levi T. Pennington Memorial Scholarship** of \$250 is awarded annually to a financially needy student majoring in sociology/social work who maintains a 3.0 GPA.

The **Joe and Pearl Reece Memorial Scholarship** provides \$150 to assist a freshman Friends student studying vocal music.

The **Delbert E. Replogle Telecommunications Scholarship** of \$550 is awarded annually to an upper-division student majoring in communications/video production.

The **J. Vernon Rice and Maude R. Rice Scholarships** of \$100 to \$600 are awarded to a limited number of students with financial need. Primary consideration is given to Idaho students who attend Idaho Friends churches participating in the Church/University Fellowship Program.

The **Glen Rinard Memorial Scholarship** of \$300 is awarded annually to a Friends student majoring in Christian ministries or religion. The recipient must be preparing for Friends pastoral ministry. Financial need is not required.

The **Alvin Roberts Memorial Scholarship** of \$800 is awarded to a Friends student with above-average academic achievement. Preference is given to pre-medical or science majors. Financial need is not required.

The **Arthur and Fern Roberts Tuition Grant** of \$1,100 is awarded annually to a freshman or sophomore Quaker student. Financial need is required.

The **Robertson Family Missionary Scholarship** of \$250 is awarded annually to a son or daughter of an active missionary family. Financial need is not required.

The **Alice and Milo Ross Scholarship in Leadership** is awarded annually to a Quaker student who has been active in church leadership positions. The recipient must be a junior or senior with at least a B average. The amount of the award is \$550. Financial need is not required.

The **Winifred Woodward Sandoz Memorial Scholarship** of \$300 assists education majors who have achieved junior or senior standing with a GPA of 2.5 or higher. Financial need is considered.

The **Science Scholar Award** will provide an annual award of \$850 to students majoring in the sciences, preferably in pre-medicine. The recipient must be a junior or senior with at least a 3.0 GPA.

The **Isaac and Esther Smith Memorial Scholarship** of \$1,850 is awarded to a student with financial need.

The **Mr. and Mrs. Fordice W. Stebbins Scholarship** of \$450 is awarded annually to a son or daughter of missionaries who is planning to pursue a career in Christian service. Financial need may be considered.

The **Hazel Steinfeldt Peace Studies Scholarship** is awarded to students who have demonstrated a commitment to a vocation of peacemaking or benefitted from the peacemaking education opportunities available at George Fox. Student must have a 3.0 GPA. The total amount awarded is \$8,500.

The **Mary Minthorn Strench Scholarship** of \$300 is to assist a student furthering his or her education at George Fox University.

The **Joanne Brougher Summers Memorial Scholarship** of \$700 is awarded annually to an international student or Alaskan Eskimo who has ability to succeed in college. Financial need is required.

The **Mary C. Sutton Memorial Scholarship** of \$150 is awarded annually to a financially needy Quaker student majoring in Christian education or biology. Financial need is required.

The **Robert and Vivian Terrall Scholarship** is to assist a needy student with a Christian background. The stipend is \$350.

The **George and Dorothy Thomas Language Study Scholarship** provides \$300 to a sophomore with at least two years of high school foreign language study with a 3.0 average. Preference is given to students who intend to pursue language study at George Fox.

The **Richard Tippin Memorial Music Scholarship** of \$150 is awarded annually to a member of the Friends Church (preferably of the East Whittier Friends Meeting) pursuing a degree in music. Financial need is not a consideration.

The **Valerie Tursa Memorial Scholarship** of \$800 is awarded to a junior or senior majoring in social work and/or sociology who maintains a 3.0 GPA. Financial need is required.

The **Elver Voth Scholarship** provides \$450 annually to a junior or senior majoring in biology or life sciences. Preference is given to a student with a GPA of 3.5 or better, but 3.0 is minimum. Students planning to teach biology or life sciences also may be considered.

The **Jack L. Willcuts Memorial Scholarship** offers \$750 to a student preparing for ministry in the Friends Church or Christian journalism. Preference is given to students from Northwest Yearly Meeting of Friends Church. The student must have achieved at least sophomore standing. Financial need may be considered.

The **Arthur and Gwen Winters Scholarship** of \$650 is awarded annually to a Quaker student from Northwest Yearly Meeting of Friends Church. Financial need is required.

The **Ezra and Amanda Woodward Scholarship** provides \$600 for an elementary education major with special needs. Financial need is considered.

The **John Woolman Social Issues and Research Scholarship** of \$400 is awarded annually to a student majoring in sociology/social service or psychology. The recipient must read *The Journal of John Woolman* and write a reflective paper. Financial need is not required.

The **Glenn Zurcher Scholarship Fund** provides tuition assistance to a financially disadvantaged student with a high degree of scholastic aptitude and achievement. The total amount awarded is \$11,000.

Friends of the University give generously to provide additional scholarships. The following scholarships and grants are funded in this manner. Except as noted, these scholarships are awarded to returning students only. The amounts of the awards may vary according to the annual gifts of the donors

The **Alumni Scholarship/Alumni Awards** are given annually to 11 students who are direct descendants (parents or grandparents) of George Fox alumni who attended George Fox University for at least one year, including the MHR/MOL Program.

The **Scott Ball Scholarship** of \$200 is awarded annually to a freshman or sophomore with a minimum high school GPA of 3.25.

The **Mark H. Bowman Memorial Scholarship in Choral Music** is designed to strengthen the Concert Choir by attracting a quality accompanist or choral rehearsal assistant. The stipend of \$1,000 is given to a student with a 3.0 GPA or above. A music major is preferred.

The **Chevron Merit Award** is a \$8,000 scholarship distributed equally over four years. Academic achievement, leadership potential, and school or community involvement are factors taken into consideration in awarding the scholarship. A student must plan to major in business or the sciences to be eligible. A statement of educational purpose, three references, and a history of the student's employment become part of the application. Only high school seniors are eligible to apply. Applications are available through high schools. Financial need is not required. Available every other year (next new applicants: 1997-98).

The **Allen Scholarship and Social Science Award** for \$500 is given to a sociology/social work major who is a junior or senior and considering the fields of aging, the homeless, or lower-income populations.

The **Creelius Family Christian Ministry Scholarship** of \$500 is awarded annually to a student majoring in Christian ministry and planning to prepare for full-time Christian service. Financial need is required.

The **Crisman Brothers Grant** of \$300 is awarded annually to a financially needy student.

The **Culver High School Scholarship** is given annually by the Culver High School scholarship committee to assist a Culver High School graduating senior.

The **Kristine Dicus Memorial Scholarship** of \$500 is awarded to an outstanding freshman student who plans to major in music. Financial need is required.

The **Farmers' Insurance Group Scholarships** are awarded annually to upper-division students preparing for careers in insurance, mathematics, business, personnel or computer science. Financial need may be considered.

The **Gordon-Ball Sociology Scholarship** of \$200 is awarded to a sophomore sociology/social work major who has a GPA of at least 3.0. Financial need may be considered.

The **Hanson Quaker Leadership Scholarship** was established to assist a junior or senior Quaker student who sees the Friends Church as an avenue for future ministry. The stipend of \$1,000 is not limited to future pastors.

The **Orpha Puckett Larrance Memorial Scholarship** of \$500 is awarded annually to a student of sophomore, junior or senior standing majoring in family and consumer sciences or elementary education. Financial need may be considered.

The **Madras High School Scholarship** is given annually by the Madras High School scholarship committee to assist a Madras High School graduating senior.

The **Minthorne Family Grant** of \$500 is awarded to a freshman son or daughter of a Friends pastor or missionary. Financial need may be considered.

The **Muscutt Married Student Scholarship** of \$600 is annually awarded to a sophomore or above married student with a 3.0 or above GPA and financial need.

The **Physical Education Grant** of \$600 is awarded annually to an upper-division student planning to teach physical education or serve in the recreation field. A 3.0 minimum GPA is required. Financial need may be considered.

The **PGE Merit Award** of \$2,250, renewable annually, is awarded to an Oregon high school senior with high academic achievements and community involvement. Applications are available through high schools. Application must be made by March 30.

The **Frank D. Roberts Family Scholarship** of \$200 is awarded annually to the valedictorian of the senior class of Greenleaf Academy, located in Greenleaf, Idaho. Financial need is not required.

The **West Linn High School Scholarship** of \$500, funded by Dea and Lois Cox, is awarded to a graduating senior from West Linn High School to aid in attending George Fox University.

It is the hope of the University that recipients of these funds will someday desire to add to the scholarship endowment fund and designate gifts for this purpose.

#### ♦ LOANS

The Federal Perkins Loan (previously the National Direct Student Loan) is awarded by the Financial Aid Office based on demonstrated need and availability of funds. Because of the limited funds, this is usually awarded only to first-year students who have limited Stafford Loan capabilities.

The University participates in the Federal Direct Student Loan program for the Federal Stafford Loan, the Federal Unsubsidized Stafford and the Federal Parents Loan for Undergraduate Students (PLUS). Eligibility for the Stafford and the Unsubsidized Stafford is determined by filling out the Free Application for Federal Student Aid, as well as by student status. Parents wishing to borrow through the PLUS program may request an application through the Financial Aid Office.

When other funds are not available, loans place the responsibility for financing higher education on the student or parent. Families are encouraged to be cautious when applying for loans but to consider the value of receiving financial assistance when needed and of paying some of the cost of education later when they are better able to do so. The University expects loans to be a significant part of the usual financial aid award, but the family must decide whether the loans are necessary based upon their financial situation.

#### ♦ EMPLOYMENT

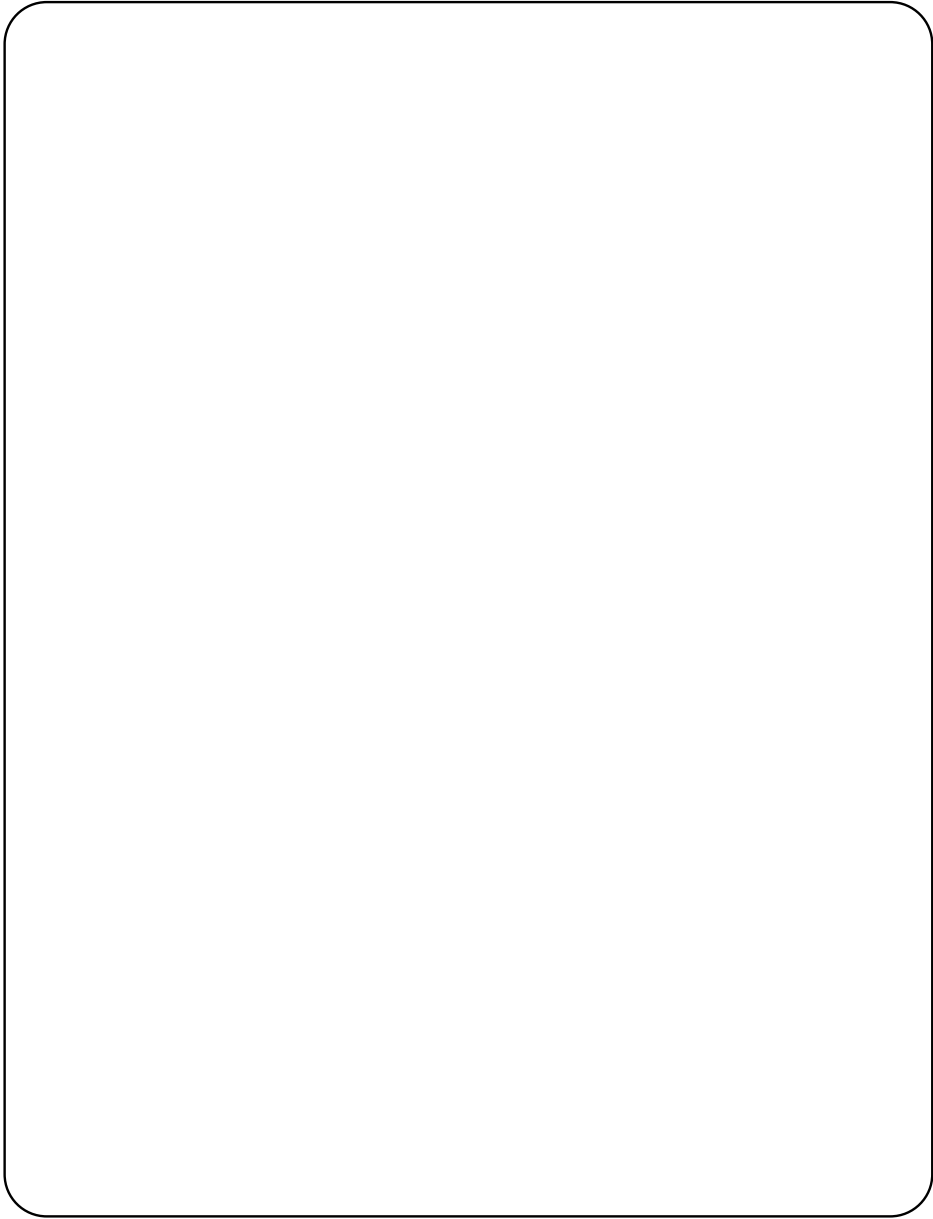
On-campus employment constitutes a significant resource for students who have documented financial need. Work-study is offered by the Financial Aid Office based mostly on need and the availability of funds. Most student employment is subsidized through the Federal College Work-Study Program. If eligible, a student must submit a work-study application supplied by the Financial Aid Office. The University is required to spend some of its federal subsidy for off-campus community service positions. This is coordinated through the Financial Aid Office and selected academic departments. A limited number of employment positions are given to students who do not qualify for federal funds. These positions usually go to returning students who have been specifically requested by their supervisor.

#### ♦ GOVERNMENTAL FUNDS AND PROVISIONS

Prospective and enrolled students may request and receive information from the Director of Financial Aid and the financial aid staff concerning available financial assistance and student consumer information.

Financial resources are supplied by the federal government through Title IV of the Higher Education Act of 1965 as amended. This aid includes the Federal Pell Grants, Federal Supplementary Educational Opportunity Grants, the Federal Perkins Loan/Direct Loan Program, the Federal Guaranteed Student Loan Program, Federal Parents Loan for Undergraduate Students, and the Federal College Work-Study Program. Other grants are contributed by the state of Oregon for eligible residents and by the University through its general fund and private donors. Students may inquire about eligibility for aid, criteria for selection, award amounts, and rights and responsibilities.







## COMPLIANCE WITH FEDERAL LAWS AND REGULATIONS

The University does not discriminate on the basis of age, sex, race, color, national origin, or handicap in its educational programs or activities, including employment, and is required by federal law not to discriminate in such areas. The University also is in compliance with the Family Education and Privacy Act of 1974.

The following offices may be contacted for information regarding compliance with legislation:

Director of Admissions: student consumer information

Vice President for Finance: wage and hour regulations, The Civil Rights Act of 1964 (race, color, or national origin), and age discrimination

Vice President for Student Life: Title IX (nondiscrimination on the basis of sex)

Director of Financial Aid: Title IV (Higher Education Act of 1965 as amended), student consumer information, the Pell Program, Supplementary Educational Opportunity Grants, the Perkins Loan/Direct Loan Program, the Stafford Loan Program, the Parents Loan for Undergraduate Students Program, and the Supplemental Loans for Students Program

Registrar: Rehabilitation Act of 1973, veterans' benefits, Immigration and Naturalization Act, and the Family Educational Rights and Privacy Act

### Family Educational Rights and Privacy Act

George Fox University accords all the rights under the Family Educational Rights and Privacy Act (FERPA) to students who are enrolled. No one shall have access to, nor will the institution disclose any information from, students' education records without the written consent of students except to personnel within the institution with direct educational interest, to persons or organizations providing students' financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, and to persons in

an emergency in order to protect the health or safety of students or other persons. All these exceptions are permitted under the Act.

Within the George Fox University community, only those members, individually or collectively, acting in the students' direct educational interest are allowed access to student educational records. These members include personnel in the student services offices and academic personnel within the limitation of their "need to know" as determined by the Registrar.

At its discretion, George Fox University may provide "directory information" in accordance with the provisions of the Act. The University construes the following information to be "directory information": parents' names and addresses, the student's name, campus and home address, telephone number, date and place of birth, participation in officially recognized activities and sports, dates of attendance, degrees and awards received, denominational or religious preference, the most recent previous school attended, and for members of athletic teams, height, weight and position played. The University also considers photographs to be Directory Information. As such, release of photographs also is provided.

Students may restrict the release of their directory information to third parties by annually submitting a signed and dated statement to the Registrar's

Office. Otherwise, all photographs and information listed above will be considered as "directory information" according to federal law. Non-directory information, notably grade records, are released to third parties only on written request of the student.

The law provides students the right to inspect and review information contained in their education records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if they feel the hearing panel's decisions are unacceptable. The Registrar's Office at George Fox University has been designated by the institution to coordinate the inspection and review of procedures for student education records, which include admissions, personal and academic files, and academic, cooperative education and placement records. Students wishing to review their education records must give a written request to the Registrar listing the item or items of interest. Only records covered in the Act will be made available within 45 days of the request. Students may have copies made of their education records with certain exceptions. These copies will be made at the student's expense at prevailing rates. Education records do not include student health records, employment records, alumni records, or records of instructional, administrative and educational personnel that are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute. Health records, however, may be reviewed by physicians of the student's choosing.

Students *may not* inspect and review the following as outlined by the Act: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student.

*(Adapted from: "A Guide to Postsecondary Institutions for Implementation of the Family Educational Rights and Privacy Act of 1974," American Association of Collegiate Registrars and Admissions Officers, 1990.)*

## ♦ DRUG-FREE ENVIRONMENT

George Fox University is concerned about the intellectual, physical, psychological and spiritual well-being of all its students and employees. The community recognizes the danger to one's physical and psychological well-being presented by the use of certain products. Therefore, members of the community are prohibited from using tobacco in any form, alcoholic beverages, and illicit or non-prescribed drugs and substances (including marijuana or narcotics). Under no circumstances are the above to be used, possessed or distributed on or away from campus. Community members are also expected not to abuse the use of legal substances. For information concerning disciplinary actions, please refer to the student and employee handbooks.

## ♦ DISABLED STUDENTS

The Enrollment Services Office coordinates services for disabled students. The Office also promotes campus awareness of issues and needs of disabled students. Supportive services can be provided, depending on the nature of the disability and availability of resources. Documentation of an existing disability may be required.

Specific courses on career exploration, study skills, and writing development are available. Special adaptive physical education classes for students with disabilities are offered through the Health and Human Performance Department.

Interested students should contact the Enrollment Services Office and provide documentation of disability and information concerning desired accommodations. Students are encouraged to contact the Vice President for Enrollment Services as early as possible to make arrangements for necessary support services.

## ♦ DISCLOSURE OF USES FOR SOCIAL SECURITY NUMBERS

Providing one's social security number is voluntary. If a student provides it, the University will use his or her social security number for keeping records, doing research, and reporting. The University will not use the number to make any decision directly affecting the student or any other person. A student's social security number will not be given to the general public. Students who choose not to provide their social security numbers will not be denied any rights as a student. A statement in the class schedule describes how social security numbers will be used. Providing one's social security number means that the student consents to use of the number in the manner described.

## ♦ ANTI-HARASSMENT POLICY

It is the policy of George Fox University that all employees and students work in an environment where the dignity of each individual is respected. Harassment due to race, color, sex, marital status, religion, creed, age, national origin, citizenship status, workers' compensation status, physical or mental disability, veteran's status, or any other status protected under applicable local, state or federal law is prohibited. Such harassing behavior should be avoided because conduct appearing to be welcome or tolerated by one employee or student may be very offensive to another employee or student.

## Prohibited Conduct for Sexual Harassment

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

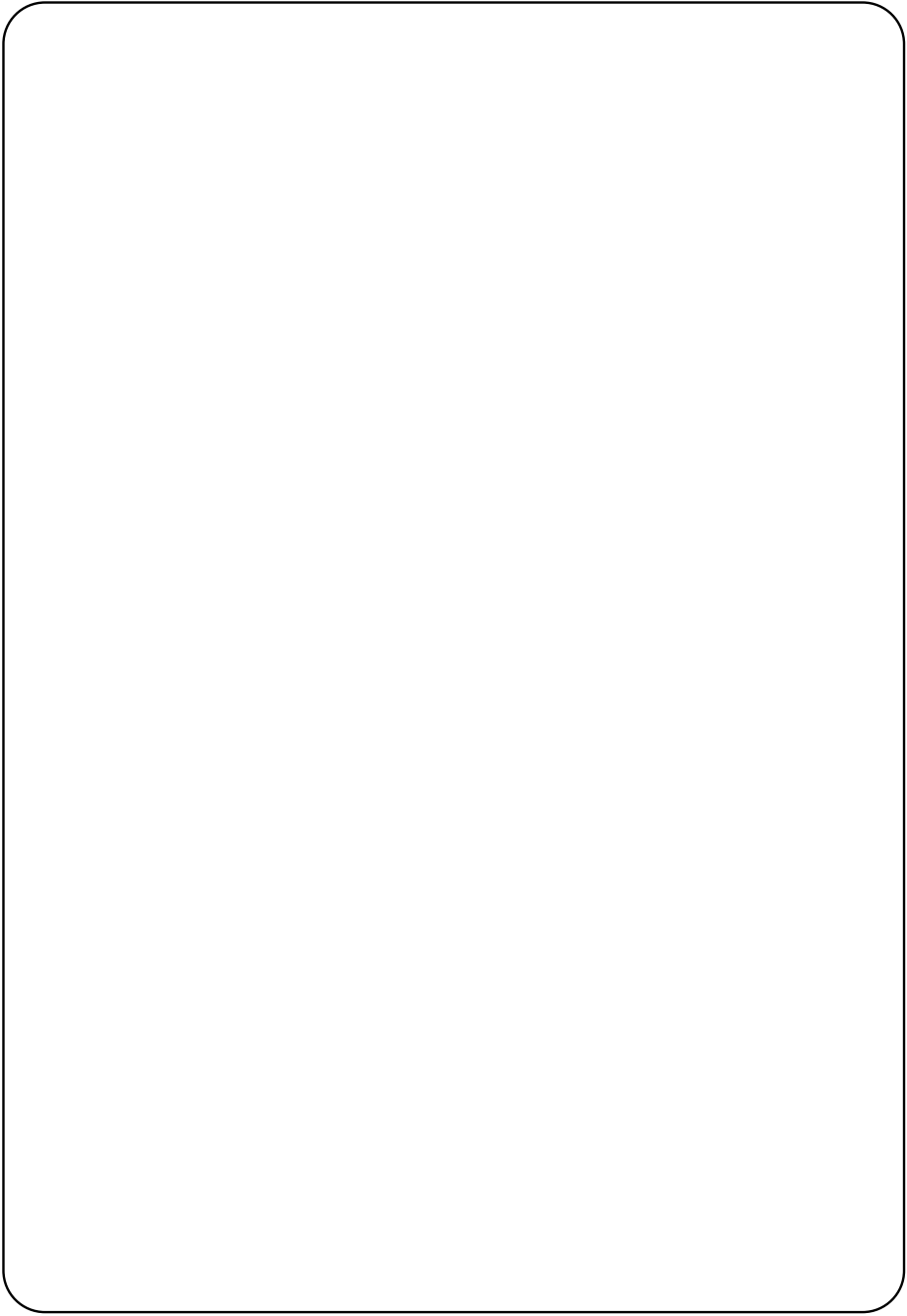
- (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment/academic status;
- (2) submission to or rejection of such conduct by an individual influences employment/academic status decisions affecting such individual; or
- (3) such conduct has the purpose or effect of interfering with an individual's work performance or creating an intimidating, hostile or offensive working/student life environment.

The conduct prohibited may be verbal, visual or physical in nature. It includes unwelcome sexual advances, requests for sexual favors, physical touching, or the granting or withholding of benefits (e.g., pay, promotion, time off, grades) in response to sexual contact. More subtle forms of behavior, such as offensive posters, cartoons, caricatures, comments and jokes of a sexual nature are discouraged, as they may constitute sexual harassment when they contribute to a hostile or offensive working/student life environment.

If any employee or student believes he or she has been discriminated against or has been subjected to sexual or other forms of harassment, the employee or student must immediately notify the following persons:

1. If the alleged incident involves a student and a faculty member, contact a school dean, the Vice President for Academic Affairs, the Vice President for Student Life, or the Vice President for Enrollment Services.
2. If the alleged incident involves a staff member or a student in the work-study program for the University, contact a supervisor or manager, the Director of Personnel, the Assistant Vice President for Financial Affairs, or the Vice President for Financial Affairs.

Complaints will be investigated and corrective action taken as determined appropriate by the University.





## FACULTY, 1996-97

This register includes those teaching half time or more under regular faculty contracts, as well as certain administrative officers with faculty designation. Listed are those contracted at the time of printing.

**Flora T. Allen**, Associate Professor of Family and Consumer Sciences, Chairperson of the Department of Family and Consumer Sciences. B.S., Seattle Pacific University; M.A., Linfield College. George Fox University 1969-73; 1979-

**Michael A. Allen**, Professor of Sociology. B.S., M.S., Illinois State University. George Fox University 1976-

**Richard E. Allen**, Associate Professor of Management and Health and Human Performance, Assistant Director of Continuing Education. B.S., Seattle Pacific University; M.S., University of Oregon. George Fox University 1969-

**Paul N. Anderson**, Associate Professor of Biblical and Quaker Studies, Director of the Master of Arts in Christian Studies Program. B.A., Malone College; M.Div., Earlham School of Religion; Ph.D., Glasgow University. George Fox University 1989-

**Mark E. Ankeny**, Assistant Professor of Education. B.A., George Fox University; M.S., Portland State University. George Fox University 1991-

**Rebecca Thomas Ankeny**, Professor of English. B.A., George Fox University; M.A., Ph.D., University of Oregon. George Fox University 1988-

**Patrick L. Bailey**, Assistant Professor of Health and Human Performance. B.S., University of Idaho; M.Ed., University of Oregon. George Fox University 1995-

**Grace A. Balwit**, Assistant Professor of Elementary Education. B.S., Eastern Nazarene College; M.A., Northern Michigan University. George Fox University 1994-

**Dirk E. Barram**, Vice President for Academic Affairs. B.A., Gordon College; M.A., Kent State University; Ph.D., Michigan State University. George Fox University 1986-

**W. Jay Beaman**, Associate Professor of Sociology. B.A., Northwest College; M.A., North American Baptist Seminary; M.S., Ph.D., Iowa State University. George Fox University 1994-

**Ralph K. Beebe**, Professor of History. B.A., George Fox University; M.Ed., Linfield College; M.A., Ph.D., University of Oregon. George Fox University 1955-57; 1974-

**Teresa L. Boehr**, Assistant Professor of Family and Consumer Sciences. B.S., Oregon State University; M.A., Linfield College. George Fox University 1985-

**John D. Bowman**, Professor of Music. B.M., Houghton College; D.M.A., University of Cincinnati. George Fox University 1980-

**Irv A. Brendlinger**, Professor of Religion. B.A., Asbury College; M.Div., Asbury Theological Seminary; M.Ed., University of Oklahoma; Ph.D., University of Edinburgh. George Fox University 1993-

**Robert E. Buckler**, Professor of Psychology. A.B., University of California, Los Angeles; M.P.H., Johns Hopkins University; M.D., Georgetown University School of Medicine. George Fox University 1990-

**Rodger K. Bufford**, Professor of Psychology. B.A., The King's College; M.A., Ph.D., University of Illinois. George Fox University 1990-

**William C. Buhrow, Jr.**, Director of Health and Counseling Services, Assistant Professor of Psychology. A.A., Baptist Bible College; B.A., Cedarville College; M.A., Dallas Theological Seminary; M.A., Psy.D., George Fox University. George Fox University 1994-

**George J. Byrtek**, Assistant Professor of Management. B.S., University of Wisconsin, Stevens Point; M.S., National College of Education. George Fox University 1991-

**Clark D. Campbell**, Associate Professor of Psychology, Chairperson of the Graduate School of Clinical Psychology. B.A., Wheaton College; M.A., Ph.D., Western Seminary. George Fox University 1991-

**Douglas G. Campbell**, Professor of Art. B.A., Florida State University; M.F.A., Pratt Institute; Ph.D., Ohio University. George Fox University 1990-

**Paul H. Chamberlain**, Professor of Chemistry, Chairperson of the Department of Biology and Chemistry. B.A., Point Loma College; Ph.D., University of Nevada, Reno. George Fox University 1977-

**R. Carlisle Chambers**, Assistant Professor of Chemistry. B.S., Milligan College; M.A., Ph.D., Emory University. George Fox University 1994-

**Charles K. Church**, Reference Librarian. B.S., Southern Oregon State College; M.L.S., University of Oregon. George Fox University 1993–

**Wayne E. Colwell**, Professor of Psychology. B.S., John Brown University; M.Div., Grace Theological Seminary; M.Ed., University of Arkansas; Ph.D., Arizona State University. George Fox University 1990–

**Andrea P. Cook**, Vice President for Enrollment Services. B.A., Northwest Nazarene College; M.S., University of Oregon. George Fox University 1987–

**Wesley A. Cook**, Associate Professor of Health and Human Performance. B.A., University of Northern Colorado; M.A.T., Lewis and Clark College. George Fox University 1987–

**Caitlin C. Corning**, Assistant Professor of History. B.A., Seattle Pacific University; M.A., Ph.D., University of Leeds. George Fox University 1996–

**Victoria L. Defferding**, Instructor of Spanish. B.A., University of Oregon. George Fox University 1989–

**Susan H. De Lessert**, Assistant Professor of Spanish and French. B.A., M.A., Portland State University; M.A., Ph.D., University of Oregon. George Fox University 1983–

**Joe De Vol**, Assistant Professor of Management. B.S., California State University, Los Angeles; M.S., University of California, Riverside. George Fox University 1992–

**Eugene R. Dykema**, Professor of Business. B.S., University of Illinois; M.B.A., University of Chicago; Ph.D., University of Notre Dame. George Fox University 1991–

**Michelle L. Dykstra**, Assistant Professor of Psychology. B.A., Hope College; M.A., M.A., Ph.D., Fuller Theological Seminary. George Fox University 1991–

**Kathryn Y. Ecklund**, Assistant Professor of Psychology. B.A., M.A., Biola University; Ph.D., Rosemead School of Psychology. George Fox University 1994–

**Richard A. Engnell**, Professor of Communication Arts. B.A., Biola University; M.A., Ph.D., University of California, Los Angeles. George Fox University 1978–

**Gary K. Fawver**, Associate Professor of Outdoor Ministries. B.A., Wheaton College; M.Div., Gordon-Conwell Theological Seminary; D.Min., Western Seminary. George Fox University 1974–

**James D. Foster**, Dean of the School of Natural and Behavioral Sciences, Professor of Psychology. B.S., Seattle Pacific University; M.A., Ph.D., Ohio State University. George Fox University 1980–

**Raymond P. Gleason**, Assistant Professor of Business. B.A., M.A., California State University, Los Angeles. George Fox University 1989–

**Steven C. Grant**, Associate Professor of Health and Human Performance. B.A., Biola College; M.Ed., Linfield College. George Fox University 1982–

**Dennis B. Hagen**, Professor of Music and Education, Chairperson of the Department of Fine Arts. B.A., Whitworth College; M.Mus.Ed., Indiana University; B.D., Western Evangelical Seminary; Ph.D., Indiana University. George Fox University 1964–

**Steven E. Hannum**, Associate Professor of Chemistry. B.S., Wheaton College, Ph.D., University of Kentucky. George Fox University 1985–

**Robert F. Harder**, Associate Professor of Engineering. B.S.M.E., M.S.M.E., Michigan Technological University; Ph.D., Oregon Graduate Institute of Science and Technology. George Fox University 1988–

**Mark O. Hatfield**, Herbert Hoover Distinguished Professor. B.A., Willamette University; M.A., Stanford University. George Fox University 1997–

**Thomas F. Head**, Associate Professor of Economics and Business, Chairperson of the Department of Business and Economics, Director of the Graduate Business Program. B.S., M.S., University of Oregon; M.A., University of California, Berkeley. George Fox University 1971-74; 1976-79; 1983–

**W. Scot Headley**, Assistant Professor of Education, Director of the Master of Education Program. B.S., M.Ed., Colorado State University; Ph.D., The Ohio State University. George Fox University 1994–

**Henry C. Helsabeck**, Professor of Mathematics and Computer Science, Chairperson of the Department of Mathematics, Computer and Engineering. B.A., Culver Stockton College; M.A., M.A., Ph.D., University of Missouri. George Fox University 1978–

**Edward F. Higgins**, Professor of English, Chairperson of the Department of Writing/Literature. B.A., LaVerne College; M.A., California State College at Fullerton; Ph.D., Union Graduate School. George Fox University 1971–

**David J. Howard**, Associate Professor of Music. B.A., Simpson Bible College; B.A., M.A., San Francisco State College; D.M.A., Southern Baptist Theological Seminary. George Fox University 1968-85; 1988–

**Martha A. Iancu**, Assistant Professor of English as a Second Language. B.A., M.A., University of Oregon. George Fox University 1989–

**Kerry E. Irish**, Assistant Professor of History. B.A., George Fox University; M.A., Ph.D., University of Washington. George Fox University 1993–

**Dale R. Isaak**, Assistant Professor of Health and Human Performance. B.S., Willamette University; M.S., Indiana State University. George Fox University 1995–

**Clella I. Jaffe**, Assistant Professor of Communication Arts. B.A., Seattle Pacific University; M.Ed., Ph.D., Oregon State University. George Fox University 1995–

**W. Brad Johnson**, Assistant Professor of Psychology. B.A., Whitworth College; M.A., Ph.D., Fuller Theological Seminary. George Fox University 1994–

**Craig E. Johnson**, Professor of Communication Arts, Chairperson of the Department of Communication Arts. B.A., Luther College; M.A., Wheaton College; Ph.D., University of Denver. George Fox University 1988–



**John M. Johnson**, Associate Professor of Mathematics and Computer Science. B.S., Northwest Nazarene College; M.S., Kansas State University. George Fox University 1984–

**Merrill L. Johnson**, Director of Learning Resources, Associate Professor. B.A., Seattle Pacific University; M.L.S., University of Oregon. George Fox University 1980–

**William G. Jolliff**, Associate Professor of English. B.S., Central Michigan University; M.A., Ashland Theological Seminary; Ph.D., Ohio State University. George Fox University 1994–

**Gary M. Kilburg**, Associate Professor of Education, Director of the Master of Arts in Teaching Program. B.S., Eastern Oregon State College; Ph.D., Oregon State University. George Fox University 1992–

**Dwight J. Kimberly**, Associate Professor of Biology. B.A., George Fox University; M.S., Oregon State University. George Fox University 1994–

**Kathleen A. Kleiner**, Associate Professor of Psychology. A.B., Franklin & Marshall College; M.A., Ph.D., Case Western Reserve University. George Fox University 1993–

**Christopher J. Koch**, Assistant Professor of Psychology. B.S., Pennsylvania State University; M.S., Ph.D., University of Georgia. George Fox University 1993–

**Warren G. Koch**, Assistant Professor of Communication/Video Production. B.A., George Fox University; M.S., Boston University; Ph.D., Regent University. George Fox University 1982–

**Beth A. La Force**, Associate Professor of Education, Co-Director of Intensified Studies. B.S., Malone College; M.A., Western Michigan University; Ph.D., Michigan State University. George Fox University 1987–

**Gregg T. Lamm**, Campus Pastor. B.A., George Fox University; M.Div., Western Evangelical Seminary. George Fox University 1991–

**Patricia A. Landis**, Professor of Education, Director of Undergraduate Teacher Education. B.A., Seattle Pacific University; M.A., University of Washington. George Fox University 1984–

**Robert E. Lauinger**, Associate Professor of Music. B.S., Portland State University; M.M., Indiana University; D.M.A., University of Arizona. George Fox University 1967-70; 1971–

**Laurel M. Lee**, Assistant Professor of Writing, Writer-in-Residence. B.A., University of California, Berkeley. George Fox University 1990–

**Jo H. Lewis**, Associate Professor of Drama. A.B., Asbury College; M.A., Glassboro State University; Ed.D., Temple University. George Fox University 1960-62; 1967-69; 1990–

**Carl H. Lloyd**, Associate Professor of Social Work, Chairperson of the Department of Sociology/Social Work. B.A., Columbia Christian College; M.A., Eastern New Mexico University; M.S., Oregon State University; M.S.S.W., Ph.D., University of Texas-Arlington. George Fox University 1994–

**Bruce G. Longstroth**, Assistant Professor of Management. B.A., George Fox University; M.S.W., University of Utah. George Fox University 1974–

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**Sherri D. Murrell**, Instructor of Health and Human Performance. B.A., Pepperdine University (Malibu). George Fox University 1992–

**Lee Nash**, Professor of History. A.B., Cascade College; M.A., University of Washington; Ph.D., University of Oregon. George Fox University 1975–

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**Christine F. Nordquist**, Instructor of Writing/Literature. B.A., George Fox University; M.A., Portland State University. George Fox University 1990–

**G. Dale Orkney**, Professor of Biology. B.A., Northwest Nazarene College; M.S., Ph.D., University of Idaho. George Fox University 1963-64; 1965–

**Asbjorn Osland**, Assistant Professor of Business. B.A., University of Minnesota; M.S.W., University of Washington; M.B.A., Ph.D., Case Western Reserve University. George Fox University 1995–

**Alex A. Pia**, Assistant Professor of English as a Second Language. B.A., California State University, Chico; M.A., Portland State University. George Fox University 1990–

**Donald R. Powers**, Associate Professor of Biology. B.S., Biola University; M.S., San Diego State University; Ph.D., University of California, Davis. George Fox University 1989–

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**Arthur O. Roberts**, Professor-at-Large. B.A., George Fox University; B.D., Nazarene Theological Seminary; Ph.D., Boston University. George Fox University 1953–

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**Judy R. Roquet**, Technical Services Librarian, Associate Professor. B.S., George Fox University; M.L.S., University of Hawaii. George Fox University 1994–

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**Mel L. Schroeder**, Associate Professor of Drama. B.A., Northwest Nazarene College; M.A., San Jose State University. George Fox University 1978-83; 1987–

**Sherrie K. Schulke**, Assistant Professor of Social Work. B.S., George Fox University; M.S.S., M.L.S.P., Bryn Mawr College; M.Div., Eastern Baptist Theological Seminary. George Fox University 1995–

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**Ronald G. Stansell**, Professor of Religion. B.A., George Fox University; M.Div., Western Evangelical Seminary; D.Miss., Trinity Evangelical Divinity School. George Fox University 1985–

**Edward F. Stevens**, President, Professor of Business. B.A., Nebraska Wesleyan University; M.A., University of Nebraska; Ph.D., University of Minnesota. George Fox University 1983–

**Craig B. Taylor**, Associate Professor of Health and Human Performance, Director of Athletics. B.A., George Fox University; M.Ed., Linfield College. George Fox University 1976-78; 1981–

**Manfred Tschan**, Assistant Professor of Health and Human Performance. B.S., State Teacher's College, Hofwil, Switzerland; B.S., University of Bern; M.S., University of Oregon. George Fox University 1988–

**Timotheos Tsohantaris**, Assistant Professor of Religion. B.A., Barrington College; M.A., Ashland Theological Seminary. George Fox University 1985-1990; 1993–

**Mark S. Vernon**, Assistant Professor of Health and Human Performance. B.S., George Fox University; M.S., Linfield College. George Fox University 1982–

**K. Mark Weinert**, Associate Professor of History, Chairperson of the Department of History and Political Science, Director of Overseas Study. B.A., Anderson College; M.Div., Western Evangelical Seminary; M.A., University of Portland; Ph.D., Vanderbilt University. George Fox University 1982–

**Kenneth F. Willson**, Assistant Professor of Music. B.A., George Fox University; M.Mus., University of Portland. George Fox University 1987-90; 1992–

**Brent D. Wilson**, Assistant Professor of Computer Science. B.A., Western Oregon State University; M.A.T., Oregon State University. George Fox University 1994–

**Debra Drecnik Worden**, Assistant Professor of Business and Economics. B.A., Westminster College; M.S., Ph.D., Purdue University. George Fox University 1994–

## FACULTY EMERITI

**Harvey J. Campbell**, Registrar. B.A., George Fox University; M.A., Colorado State College of Education. George Fox University 1958-77.

**Ronald S. Crecelius**, Chaplain. A.B., Th.B., George Fox University; M.A., Pasadena College; M.R.E., D.D., Western Evangelical Seminary. George Fox University 1967-87.

**Robert D. Gilmore**, Director of Instructional Media. B.A., Azusa Pacific College; B.D., California Baptist Theological Seminary; M.S.Ed., University of Southern California. George Fox University 1964-67, 1968-1995.

**Myron D. Goldsmith**, Professor of Religion and Greek. B.A., Friends University; B.D., Asbury Theological Seminary; Ph.D., Boston University. George Fox University 1961-74; 1975-86.

**Mary S. Green**, Associate Professor of Mathematics. B.A., Houghton College; M.N., Case Western Reserve University. George Fox University 1973-89.

**William D. Green**, Vice President for Academic Affairs, Professor of Religion. Th.B., Malone College; A.B., Taylor University; M.A., Case Western Reserve University; Ed.D., University of Tennessee; L.H.D., George Fox University. George Fox University 1972-89.

**Mackey W. Hill**, Professor of History. B.A., University of California, Los Angeles; M.A., University of the Pacific. George Fox University 1949-74.

**Julia H. Hobbs**, Professor of Christian Educational Ministries. B.A., Hope College; B.D., M.Th., Winona Lake School of Theology; Ph.D., University of Pittsburgh. George Fox University 1975-91.

**Hector J. Munn**, Professor of Chemistry. B.S., Seattle Pacific University; M.S., Ph.D., Oregon State University. George Fox University 1958-62; 1966-1994.

**Marjorie L. Weesner**, Professor of Physical Education. B.S., George Fox University; M.Ed., Linfield College; Ed.D., University of Oregon. George Fox University 1953-54; 1963-1993.

## **PART-TIME FACULTY, 1996-97**

This register is composed of adjunct faculty for the 1996-97 academic year. Listed are those contracted at the time of printing.

**John A. Bernbaum**, Political Science, American Studies Program, Washington, D.C. B.A., Calvin College; M.A., Ph.D., University of Maryland. George Fox University 1977-

**Gary A. Bertrand**, Geography. B.S., University of Oregon; M.A.T., Lewis & Clark College. George Fox University 1986-

**Shari K. Bowman**, Freshman Experience. B.S., B.Mus., M.A., Ohio State University. George Fox University 1990-

**Randall E. Brown**, Biology. B.A., Friends University; M.A., University of Kansas; Ph.D., Oregon State University. George Fox University 1992-

**Audrey B. Burton**, Management and Organizational Leadership. B.S., University of Oregon; M.L.S., University of Portland; M.A., Portland State University. George Fox University 1974-

**Chris Deamley**, Latin American Studies Program, San Jose, Costa Rica. B.A., Wheaton College; M.B.A., Harvard University. George Fox University 1989-

**David deVidal**, Clinical Psychology. B.A., Cascade College; M.S., University of Oregon; M.A., Ph.D., Fuller Graduate School of Psychology. George Fox University 1990-

**Peggy S. Dougherty**, Music. B.A., Warner Pacific College; M.Mus., University of Portland. George Fox University 1972-78; 1990-

**Nancy R. Emrick**, Music. B.S., Western Oregon State College; M.Mus., The Juilliard School. George Fox University 1991-

**Patsy A. Engle**, Instructor of English and Education. B.A., Marion College; M.A., Ball State University. George Fox University 1988-

**Kurt E. Free**, Clinical Psychology. B.A., Wheaton College; M.A., Ph.D., Rosemead Graduate School, Biola University. George Fox University 1990-

**Bonnie J. Jerke**, Career Development. B.S., Montana State University; M.A., Western Evangelical Seminary. George Fox University 1984-

**Linda M. Judd**, English as a Second Language. B.S., Abilene Christian College. George Fox University 1990-

**Dean R. Longfellow**, Clinical Psychology. B.A., Portland State University; M.A., Psy.D., Western Conservative Baptist Seminary. George Fox University 1990-

**James P. McMaster**, Aquatics. B.A., California State University, Chico. George Fox University 1983-

**Stephen S. Meharg**, Clinical Psychology. B.S., Washington State University; M.A., Ph.D., Fuller Graduate School of Psychology. George Fox University 1992-

**Ruth E. Miller**, Education. B.S., M.S., Portland State University. George Fox University 1989-

**James H. Papen**, Clinical Psychology. B.A., Bryan College; M.A., Ph.D., Rosemead Graduate School of Psychology. George Fox University 1992–

**Laura A. Roberts**, Clinical Psychology. B.A., California State University - Sacramento; M.A., Western Conservative Baptist Seminary; Psy.D., George Fox University. George Fox University 1993–

**Colin B. Saxton**, Philosophy and Religion. B.A., Portland State University; M.A., Eastern Mennonite Seminary. George Fox University 1995–

**Chosho Shikina**, Assistant Professor of Japanese. B.A., University of Okinawa; B.A., Portland State University. George Fox University 1991–

**Rawlen D. Smith**, Communication/Video Production. B.S., B.S., George Fox University. George Fox University 1979–

**David L. Votaw**, Computer Information Science. B.A., George Fox University. George Fox University 1990–

**Geraldine M. Wager**, Education. B.A., M.S., San Francisco College for Women. George Fox University 1993–

**David C. Waller**, Clinical Psychology. B.S., Oregon State University; M.A., Ph.D., Western Conservative Baptist Seminary. George Fox University 1990–

**Mark R. Williams**, Music Education. B.A., George Fox University. George Fox University 1991–

**Scott C. Willis**, Clinical Psychology. B.A., San Diego State University; M.A., Ph.D., Fuller Theological Seminary. George Fox University 1993–

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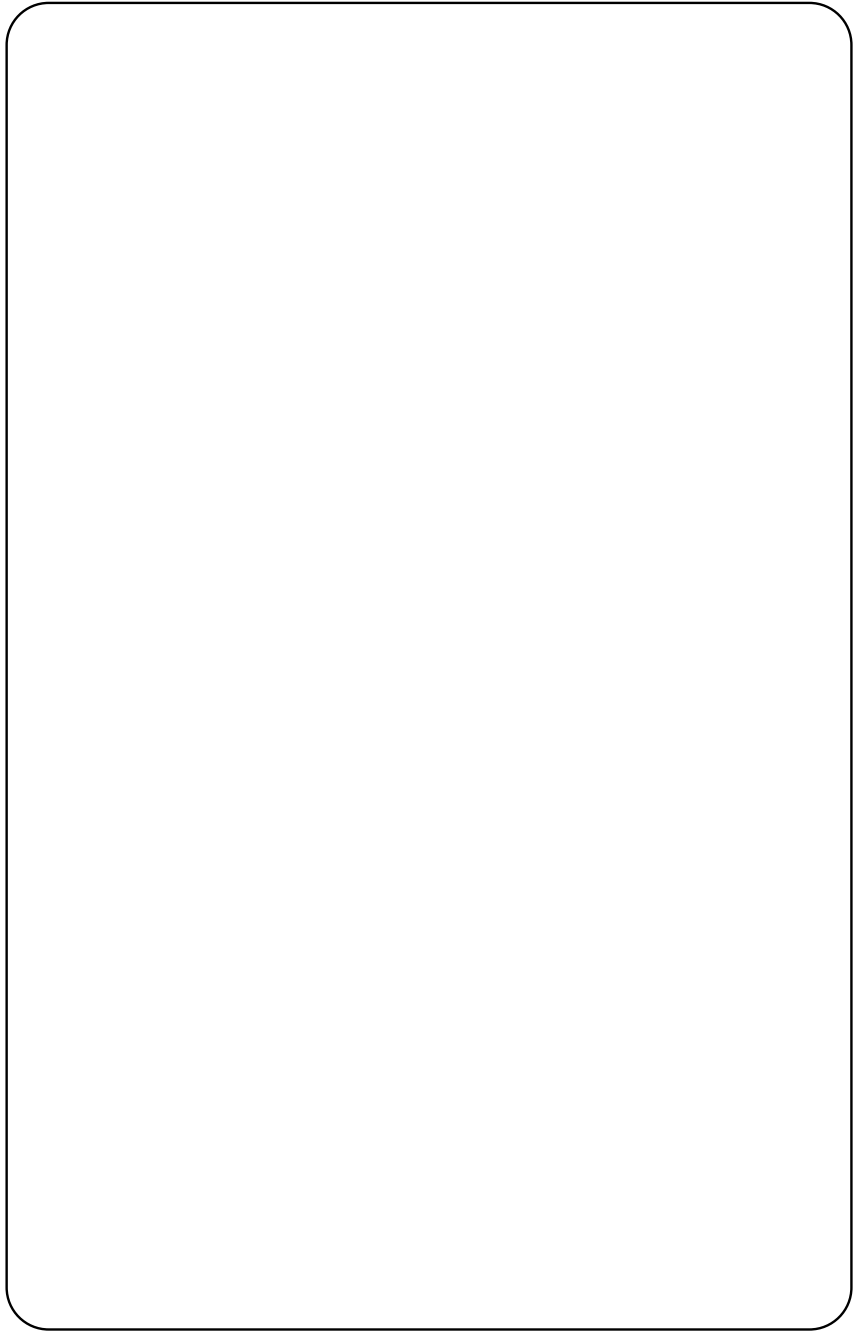
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**A**

|  |          |
|--|----------|
| Academic Advising .....                            | 119      |
| Academic Credits .....                             | 118      |
| Academic Exemptions<br>and Waivers.....            | 30       |
| Academic Honesty.....                              | 122      |
| Academic Load.....                                 | 119, 120 |
| Academic Probation .....                           | 119      |
| Academic Programs and Services .....               | 19       |
| Academic Progress and Eligibility.....             | 121      |
| Academic Regulations .....                         | 117      |
| Academic Sessions .....                            | 118      |
| Academic Standing.....                             | 121      |
| Academic Success Program .....                     | 24       |
| Accounting.....                                    | 34, 58   |
| Accreditation and Memberships .....                | 5        |
| Activities, Student .....                          | 13       |
| Adding a Course.....                               | 120      |
| Administration, Listing of .....                   | 151      |
| Admission Procedures<br>for Freshmen.....          | 124      |
| Admission Procedures<br>for Graduate Students..... | 126      |
| Admission Procedures<br>for Transfers .....        | 125      |
| Admission Requirements.....                        | 124, 125 |
| Admission to an<br>Undergraduate Major.....        | 31       |
| Admission to Student Teaching.....                 | 51       |
| Admission to Teacher Education .....               | 50       |
| Admissions .....                                   | 123      |
| Advanced Placement .....                           | 20, 128  |
| Advising .....                                     | 119      |
| African Study Program .....                        | 24       |
| Alpha Chi.....                                     | 13       |
| American Studies Program .....                     | 21       |
| Anti-Harrassment Policy .....                      | 143      |
| Appeals.....                                       | 121      |
| Applied Science.....                               | 34       |
| Art.....   | 34, 58   |
| Association of American<br>Colleges.....           | 5        |
| Athletic Training.....                             | 42       |
| Athletics .....                                    | 13       |
| Attendance, Class.....                             | 118      |
| Auditing.....                                      | 119, 127 |
| Automobiles.....                                   | 16       |

**B**

|  |        |
|--|--------|
| Bachelor of Arts Degree.....             | 31     |
| Bachelor of Science Degree .....         | 31     |
| Biblical Studies, Graduate .....         | 100    |
| Biblical Studies,<br>Undergraduate ..... | 35, 59 |
| Biology.....                             | 35, 60 |
| Biology Teaching.....                    | 52     |
| Board and Room.....                      | 131    |
| Board of Trustees.....                   | 152    |
| Business, Graduate .....                 | 112    |
| Business, Undergraduate .....            | 36, 62 |
| Business and Economics.....              | 36, 62 |

**C**

|  |                   |
|--|-------------------|
| Calendar .....   | inside back cover |
| Campus Facilities .....                                    | 10                |
| Campus Housing .....                                       | 10, 15            |
| Campus Map .....   | 11                |
| Campus Ministries .....                                    | 15                |
| Campus Pastor .....  | 15                |
| Campus Visitation.....                                     | 128               |
| Career Services .....                                      | 17                |
| Center for Peace Learning.....                             | 24, 47            |
| Chapel.....  | 15                |
| Chemistry .....  | 36, 63            |
| Chemistry Teaching.....                                    | 52                |
| Christian College<br>Consortium .....                      | 5, 21, 24         |
| Christian Ministries.....                                  | 37, 64            |
| Christian Service .....                                    | 15                |
| Christian Studies (M.A.) .....                             | 100               |
| Church Recreation .....                                    | 37                |
| Class Attendance .....                                     | 118               |
| Classification of Students .....                           | 119               |
| CLEP .....   | 20                |
| Climate .....  | 8                 |
| Clinical Psychology<br>(M.A., Psy.D.).....                 | 101               |
| Coalition for Christian<br>Colleges and Universities ..... | 5, 21, 23         |
| College Level Examination<br>Program .....                 | 20                |
| Commencement.....  | 121               |
| Communication Arts .....                                   | 38, 55, 66        |
| Communication/<br>Video Production.....                    | 38, 68            |
| Computer and Information<br>Science .....                  | 38, 65            |
| Computers Across the Curriculum .....                      | 24                |
| Conduct, Standards of.....                                 | 15                |

|                                   |    |
|-----------------------------------|----|
| Conflict Management Program ..... | 47 |
| Consortium Visitor Program .....  | 21 |
| Core Curriculum.....              | 28 |
| Counseling Services.....          | 17 |
| Course Challenge Programs.....    | 20 |
| Course Numbering System.....      | 30 |
| Credit by Examination .....       | 20 |

**D**

|                                    |            |
|------------------------------------|------------|
| Dean's List.....                   | 121        |
| Degrees Offered .....              | 31         |
| Denominations Represented.....     | 9          |
| Directories.....                   | 145        |
| Disabled Students.....             | 126, 143   |
| Doctor of Psychology Program ..... | 101        |
| Drama.....                         | 14, 55, 96 |
| Drama Teaching .....               | 55         |
| Drug-Free Environment.....         | 143        |

**E**

|                                      |          |
|--------------------------------------|----------|
| Early Admission .....                | 128      |
| Economics.....                       | 36, 68   |
| Education, Graduate .....            | 109, 113 |
| Education, Undergraduate .....       | 50, 69   |
| Educational Ministry.....            | 37       |
| Elementary Education.....            | 51       |
| Eligibility, Academic.....           | 121      |
| Employment.....                      | 139      |
| Engineering.....                     | 34, 71   |
| English as a Second<br>Language..... | 39, 71   |
| English Language Institute .....     | 25       |
| Expenses.....                        | 130      |

**F**

|   |        |
|---|--------|
| Facilities .....                                      | 10, 20 |
| Faculty, Listing of.....                              | 146    |
| Family and Consumer<br>Sciences.....                  | 40, 73 |
| Family and Consumer<br>Sciences Teaching.....         | 52     |
| Family Educational Rights and<br>Privacy Act.....     | 142    |
| Fashion Institute of Design<br>and Merchandising..... | 41     |
| Fashion Merchandising/<br>Interior Design.....        | 40, 73 |



Federal Laws and Regulations.....142  
 Fees .....130  
 Field Education/Experience.....21  
 Final Examinations.....122  
 Financial Aid.....133  
 Financial Aid Office .....17  
 Financial Arrangements.....132  
 Financial Information.....130  
 Fitness Management.....43  
 Foods and Nutrition in Business .....40  
 Food Services.....16  
 Foreign  
     Languages.....49, 74, 76, 77, 81, 94  
 French .....74  
 Freshman Admission  
     Requirements .....124  
 Freshman Seminar.....25  
 Full-Time Students, Definition of .....119

**G**

General Education .....27, 75  
 General Education Requirements  
     (GED).....28  
 General Education Requirements  
     for Teacher Education .....30  
 General Science.....76  
 Geography.....76  
 German .....76  
 Grading System.....120  
 Graduate Admissions.....125  
 Graduate Advising and Load .....119  
 Graduate Program in Business.....112  
 Graduate Programs  
     in Education .....109, 113  
 Graduate Program in Psychology.....101  
 Graduate Program in Religion.....100  
 Graduate Students.....119  
 Graduation.....121  
 Graduation Honors.....122  
 Graduation Requirements .....121  
 Grants .....133  
 Greek .....76  
 Government, Student.....14  
 Guarantees and Reservations .....118

**H**

Handicapped Services.....126, 143  
 Harrassment, Policy Against.....143  
 Health Education.....41, 77  
 Health Education Teaching.....52  
 Health and Counseling Services .....17

Hebrew .....77  
 Herbert Hoover Symposia .....25  
 High School Nongraduates .....127  
 High School Visitation Day .....128  
 History.....41, 79  
 History of the University.....9  
 Home School Students.....127  
 Honors, Graduation .....122  
 Honors Program.....128, 134  
 Housing .....15  
 Human Performance .....42, 77

**I**

Incomplete Grades .....120  
 Insurance for Students.....131  
 Intensified Studies Program.....25  
 Interdisciplinary  
     Majors .....31, 35, 37, 43, 47, 48, 56  
 International Baccalaureate.....20  
 International Business  
     and Economics.....36  
 International Student Advisor .....17  
 International Students .....127  
 International Studies .....23, 43, 81  
 International Trade Institute.....22  
 Internship.....21

**J**

Japanese.....81  
 Juniors Abroad .....23

**K**

KFOX Radio Station.....14

**L**

Language Arts Teaching.....53  
 Languages .....49, 74, 76, 77, 81, 94  
 Latin American Studies Program .....23  
 Leadership Studies.....44, 82  
 Library .....20  
 Lifestyle Expectations .....15  
 Literature .....56, 82  
 Living Arrangements .....15  
 Loans.....139  
 Location.....8  
 Los Angeles Film Studies Center .....22

**M**

Majors.....31  
 Malheur Field Station.....22, 36  
 Management .....36, 112  
 Management and Organizational  
     Leadership.....45, 84  
 Management of Human  
     Resources .....45, 83  
 Map, Campus.....11  
 Marketing.....36  
 Married Students.....128  
 Master of Arts in Christian  
     Studies .....100  
 Master of Arts in Clinical  
     Psychology .....104  
 Master of Arts in Teaching .....113  
 Master of Business  
     Administration.....112  
 Master of Education.....109  
 Mathematics.....46, 85  
 Mathematics Teaching.....53, 55  
 May Term.....26  
 Memberships.....5  
 Middle East Studies Program .....24  
 Ministry Projects .....15  
 Minors .....31, 55  
 Mission and Objectives .....4  
 Missions .....37  
 Motor Vehicles .....16  
 Murdock Learning Resource  
     Center.....20  
 Music .....14, 46, 86  
 Music Ensembles.....14, 87  
 Music Teaching .....53

**N**

National Association of Independent  
     Colleges and Universities.....5  
 National Association of  
     Intercollegiate Athletics.....5  
 National Association of Schools  
     of Music.....5  
 National Collegiate Athletic  
     Association.....13  
 National Merit Scholarship .....134  
 Newberg.....8  
 Nondiscrimination Policy .....142  
 Northwest Association of Schools  
     and Colleges.....5  
 Northwest Yearly Meeting  
     of Friends.....9

**O**

|  |       |
|--|-------|
| Objectives in the Mission<br>of the University .....       | 4     |
| OICA Cross-Registration .....                              | 22    |
| Older Adults.....  | 128   |
| Oregon, State of .....                                     | 8     |
| Oregon Independent Colleges<br>Association .....           | 5, 22 |
| Oregon Teacher Standards and<br>Practices Commission ..... | 5     |
| Oregon Theological Consortium<br>Cross-Registration .....  | 22    |
| Organizations, Student .....                               | 13    |

**P**

|   |          |
|---|----------|
| Part-Time Students, Definition of ..... | 127      |
| Pass/No Pass Policy.....                | 121      |
| Paying for College .....                | 132      |
| Peace and Conflict Studies .....        | 47       |
| Peace Learning, Center for .....        | 24, 47   |
| Philosophy .....                        | 89       |
| Physical Education Teaching .....       | 42, 54   |
| Physically Challenged<br>Students ..... | 126, 143 |
| Physics.....                            | 90       |
| Political Science.....                  | 90       |
| Portland .....                          | 8        |
| Pre-dental Program .....                | 26       |
| Pre-law Program .....                   | 26       |
| Pre-medical Program .....               | 26       |
| Pre-nursing Program.....                | 26       |
| Preprofessional Programs .....          | 26       |
| Presidential Scholarships.....          | 134      |
| Pre-veterinary Program .....            | 26       |
| Probation .....                         | 119      |
| Proficiency Tests .....                 | 20       |
| Provisional Students .....              | 119      |
| Psychology, Graduate.....               | 101      |
| Psychology, Undergraduate.....          | 47, 91   |
| Psy.D. Program.....                     | 101      |
| Publications, Student.....              | 14       |

**R**

|                               |          |
|-------------------------------|----------|
| Radio Station .....           | 14       |
| Readmission .....             | 127      |
| Refunds.....                  | 132, 133 |
| Registration .....            | 119      |
| Religion, Graduate .....      | 100      |
| Religion, Undergraduate ..... | 48, 92   |

|                                  |        |
|----------------------------------|--------|
| Religious Life .....             | 15     |
| Requirements for Graduation..... | 121    |
| Residence Halls .....            | 10, 15 |
| Residence Life .....             | 15     |
| Room and Board.....              | 131    |
| Room Reservations.....           | 16     |
| ROTC Program.....                | 23     |
| Russian Studies Program .....    | 24     |

**S**

|  |            |
|--|------------|
| Scheduling of Activities .....               | 14         |
| Scholarships.....                            | 133        |
| Science Organization.....                    | 14         |
| Second Degree.....                           | 122        |
| Secondary Education.....                     | 52         |
| Senior Citizen Tuition .....                 | 128        |
| Service Projects.....                        | 15         |
| Sexual Harrassment .....                     | 143        |
| Sigma Zeta (Science) .....                   | 14         |
| Sign Language .....                          | 59         |
| Social Events .....                          | 14         |
| Social Studies Teaching.....                 | 54         |
| Social Work.....                             | 48, 95     |
| Sociology/Social Work.....                   | 48, 93, 95 |
| Spanish.....                                 | 49, 94     |
| Spanish Study Abroad<br>Program .....        | 24         |
| Spanish Teaching.....                        | 54         |
| Special Students.....                        | 119        |
| Speech Teaching .....                        | 55         |
| Spouse Enrollment Program .....              | 128        |
| Standards of Conduct.....                    | 15         |
| Statement of Faith.....                      | 4          |
| Student Activities and<br>Organizations..... | 13         |
| Student Government.....                      | 14         |
| Student Health Service .....                 | 17         |
| Student Insurance.....                       | 131        |
| Student Leadership Director.....             | 17         |
| Student Life Office.....                     | 17         |
| Student Newspaper .....                      | 14         |
| Student Organizations.....                   | 13         |
| Student Services .....                       | 17         |
| Student Work-Study.....                      | 139        |
| Study in Africa Program .....                | 24         |
| Study in Spain Program.....                  | 24         |
| Summer School.....                           | 26         |

**T**

|  |              |
|--|--------------|
| Teacher Education.....                           | 50, 109, 113 |
| Teaching.....                                    | 50, 109, 113 |
| Telecommunication.....                           | 38, 68       |
| Theatre.....                                     | 14, 55, 96   |
| Tilikum Retreat Center .....                     | 13, 21       |
| Transcripts.....                                 | 131          |
| Transfer Student Admission<br>Requirements ..... | 125          |
| Transfer Students in Education .....             | 50           |
| Trustees, Board of.....                          | 152          |
| Tuition .....                                    | 130          |

**U**

|  |                   |
|--|-------------------|
| Undergraduate Students .....               | 119               |
| University Administration .....            | 151               |
| University<br>Calendar .....               | inside back cover |
| University Mission<br>and Objectives ..... | 4                 |

**V**

|                                  |    |
|----------------------------------|----|
| Values Statement .....           | 4  |
| Video Communication Center ..... | 21 |

**W**

|                                |            |
|--------------------------------|------------|
| Withdrawing from a Course..... | 120        |
| Work-Study.....                | 139        |
| Writing/Literature .....       | 56, 82, 97 |

**Y**

|                      |    |
|----------------------|----|
| Yearbook .....       | 14 |
| Youth Ministry ..... | 37 |

# UNIVERSITY CALENDAR

## UNIVERSITY CALENDAR

### August

|                       |            |
|-----------------------|------------|
| Faculty Conference    | Aug. 19-21 |
| All-Campus Fellowship | Aug. 22    |

### 1996-97

### 1997-98

|            |
|------------|
| Aug. 18-20 |
| Aug. 21    |

### Fall Semester

|  |                 |                 |
|--|-----------------|-----------------|
| Residence halls open to new students, 1 p.m.                           | Aug. 31         | Aug. 30         |
| New Students-Parents Convocation                                       | Aug. 31         | Aug. 30         |
| New student sessions and registration/confirmation                     | Aug. 31-Sept. 3 | Aug. 30-Sept. 2 |
| Residence halls open to returning students, 2 p.m.                     | Sept. 2         | Sept. 1         |
| Registration/confirmation of returning students, 8:30 a.m. - 4:30 p.m. | Sept. 3         | Sept. 2         |
| Classes begin, 8 a.m.  | Sept. 4         | Sept. 3         |
| Honors Convocation, 11 a.m.  | Sept. 9         | Sept. 8         |
| Last day to register   | Sept. 11        | Sept. 10        |
| Last day to change registration  | Sept. 18        | Sept. 17        |
| Withdrawal fee begins  | Sept. 19        | Sept. 18        |
| Last day to exercise pass/no pass option                               | Sept. 27        | Sept. 26        |
| Mid-semester holiday   | Oct. 14         | Oct. 13         |
| Last day to withdraw from class  | Nov. 8          | Nov. 7          |
| Thanksgiving vacation  | Nov. 28-Dec. 1  | Nov. 27-30      |
| Classes resume   | Dec. 2          | Dec. 1          |
| Registration for spring semester/undergraduate                         | Dec. 2-6        | Dec. 1-5        |
| Registration for spring semester/graduate                              | Dec. 9-13       | Dec. 8-12       |
| Fall semester classes end, 5 p.m.                                      | Dec. 13         | Dec. 12         |
| Study Day  | Dec. 16         | Dec. 15         |
| Final exam period  | Dec. 17-20      | Dec. 16-19      |
| Residence halls close, 5 p.m.  | Dec. 21         | Dec. 20         |
| Midyear Commencement, 2 p.m.   | Dec. 21         | Dec. 20         |

### Spring Semester

|   |                |                |
|---|----------------|----------------|
| Residence halls open, 1 p.m.                    | Jan. 12        | Jan. 11        |
| Registration of new students                    | Jan. 12        | Jan. 11        |
| Classes begin, 8 a.m.                           | Jan. 13        | Jan. 12        |
| Last day to register                            | Jan. 17        | Jan. 16        |
| Last day to change registration                 | Jan. 24        | Jan. 23        |
| Withdrawal fee begins                           | Jan. 27        | Jan. 26        |
| Last day to exercise pass/no pass option        | Feb. 7         | Feb. 6         |
| Mid-semester holiday                            | Feb. 17        | Feb. 16        |
| Last day to withdraw from class                 | March 14       | March 13       |
| Spring vacation                                 | March 22-30    | March 21-29    |
| Classes resume                                  | March 31       | March 30       |
| Easter  | March 30       | April 12       |
| Preregistration for fall semester/undergraduate | April 14-18    | April 13-17    |
| Preregistration for fall semester/graduate      | April 21-25    | April 20-24    |
| Spring semester classes end, 5 p.m.             | April 25       | April 24       |
| Study Day                                       | April 28       | April 27       |
| Final exam period                               | April 29-May 2 | April 28-May 1 |
| Residence halls close, 5 p.m.                   | May 3          | May 2          |
| Baccalaureate, 10:30 a.m.                       | May 4          | May 3          |
| Spring Commencement, 2 p.m.                     | May 4          | May 3          |

# UNIVERSITY CALENDAR

| <b>May Term</b>            | <b>1996-97</b> | <b>1997-98</b> |
|----------------------------|----------------|----------------|
| Preregistration .....      | Dec. 2-6       | Dec. 1-5       |
| Final Registration .....   | May 6          | May 5          |
| May Term begins .....      | May 6          | May 5          |
| Last day to withdraw ..... | May 16         | May 15         |
| May Term ends .....        | May 24         | May 23         |
| Memorial Day holiday ..... | May 26         | May 25         |

| <b>Summer Semester</b> | <b>1997</b> | <b>1998</b> |
|------------------------|-------------|-------------|
|------------------------|-------------|-------------|

♦ **UNDERGRADUATE**

|                              |         |         |
|------------------------------|---------|---------|
| Summer semester begins ..... | May 27  | May 26  |
| Last day to withdraw .....   | July 25 | July 24 |
| Summer semester ends .....   | Aug. 8  | Aug. 7  |

♦ **GRADUATE COURSES IN CLINICAL PSYCHOLOGY**

|                          |               |               |
|--------------------------|---------------|---------------|
| Preregistration .....    | April 21-25   | April 20-24   |
| Final Registration ..... | May 8         | May 11        |
| Session 1 .....          | May 8-June 5  | May 11-June 5 |
| Session 2 .....          | June 6-July 3 | June 8-July 3 |

♦ **GRADUATE COURSES IN EDUCATION**

|                                 |                  |                  |
|---------------------------------|------------------|------------------|
| M.A.T. Final Registration ..... | June 10          | June 16          |
| M.A.T. Session .....            | June 17-Aug. 8   | June 16-Aug. 7   |
| M.Ed. Session .....             | June 23-Aug. 1   | June 22-July 31  |
| M.B.A. Session .....            | April 19-July 24 | April 18-July 23 |

## **Meal Service**

1996 Fall Semester: Evening of Aug. 31 for new students, Sept. 2 for returning students, through breakfast Dec. 21.

1997 Spring Semester: Evening of Jan. 12 through breakfast March 22 and evening of March 30 through noon May 3.

NOTICE: Rarely are changes made in a University calendar once published. However, the University reserves the right to change dates. Any significant changes will be sent to accepted students by April 1, or when they are admitted after that date.