



MESSAGE FROM THE DEAN

CENG students,

I'm grateful for each of you and thanking God for such an awesome group of students.

I am confident that as we serve Christ in this place with the gifts he has given us, we are collectively carrying out his will, and if we remain obedient and faithfully continue to build our house upon the rock - we will reap the joy of bringing glory to His holy name.

The following verse comes to mind: Matthew 7:24-25:

"Everyone then who hears these words of mine and does them will be like a wise man who built his house on the rock. And the rain fell, and the floods came, and the winds blew and beat on that house, but it did not fall, because it had been founded on the rock."

I'm also reminded that although we remain distant and isolated from each other during this season of ambiguity, the following promise of our heavenly Father remains (Ecclesiastes 4:9-12):

"Two are better than one, because they have a good reward for their toil. For if they fall, one will lift up his fellow. But woe to him who is alone when he falls and has not another to lift him up! Again, if two lie together, they keep warm, but how can one keep warm alone? And though a man might prevail against one who is alone, two will withstand him—a threefold cord is not quickly broken."

Lastly, I have two resources to share with you in case you need some encouragement or to pass them on to someone who does. I recently watched this short teaching video on "Love > Fear". And also found this worship video to be very uplifting for my spirit (Waymaker by Leeland).

We pray your last day of the school year, while unique, will bring you an appreciation for those around you & closer to Christ who loves us.

God's Peace,

Bob Harder

Waymaker by Leeland:

https://www.youtube.com/watch?v=i-JCV_2H9xD0

Love > Fear:

https://www.youtube.com/watch?v=W-C8q_SSl-a&feature=youtu.be



THIS MONTH:

- Message From the Dean
- InventOR Competitors Selected
- Submit Student Stories
- Maker Hub Helps Create PPE for Hospital Workers
- 2020 Undergraduate Teacher of the Year: Todd Curtis
- PRCCDC - GFU's Cyber Defense Team Places 5th

SUBMIT YOUR POST TO THE CENG NEWSLETTER HERE:

Planning an event? Hosting a study group or looking for one to join? Interested in submitting an article you've written? Send a form through the link below!

<https://forms.gle/4eFSiC1hiMwWh5zy7>

InventOR COMPETITORS SELECTED

Two Servant Engineering teams have been selected for the InventOR competition. These two teams are team Alpha: Zunyang Wang, Isaac Edminster, Venedict Matveev, Julio Lopez-Hernandez and team Omicron: Rafael Vasquez Lopez, Grace Cupp, Joshua Lee, Kaylee Rutherford. Congratulations to them for their fine work and presentations.

For those who want to follow how this is affecting Inventor, you can see their updates here - <https://www.inventoregon.org/post/invent-oregon-covid-19-update>

Semifinals will be hosted virtually Thursday and Friday, June 25-26.

Invent Oregon finals will be hosted in-person September 17-18 in Medford, Oregon at Rogue Community College.



SUBMIT STUDENT STORIES

Suggest some ideas for stories you'd like to see written or if you would like to write for the newsletter!

<https://forms.gle/Ptm2mPnvz7xPaV4t5>



MAKER HUB HELPS CREATE PPE FOR HOSPITAL WORKERS

It all started with Bob. Dr. Robert Harder and a few other faculty members had the idea to begin prototyping some face shields for our local health workers. During the coronavirus pandemic we'd been hearing that health care workers personal protective equipment was running dangerously low.

After researching videos and articles about other makers printing face shields for hospital workers, they posed the idea to other engineering & nursing faculty, along with our technicians. After some brainstorming, technicians and students were tasked to print some 3D printed face shields. Staff member, Katherine Morland, began sewing face masks with a pocket for a filter for our local retirement community.

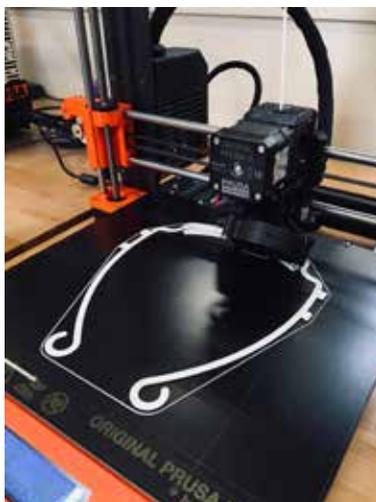
One main purpose of the face shields during the pandemic is to prolong the usage of the respirators/surgical masks worn by hospital workers. Students Devin Howard, Ben Kraske, Zach Lyda, and Kevin Morrison all helped technicians Justin Johnson and Nick Sullivan to iron out the face shield prototypes. Faculty member Steve Grant (Exercise Science) volunteered to assist with the manufacturing process.

They adapted the design they found online from some makers in Sweden, 3D Verkstan. It's a 3D printed frame with a 3-hole-punched projector transparency sheet that snaps into place to form the shield: <https://3dverkstan.se/protective-visor/>

With many schools not using projectors anymore, it is possible that other makers could contact their local school offices who may be willing to donate their transparencies to others who would like to do the same with their 3D printers.

Alumni and local health agencies have received face shields produced in March and April. Health workers and agencies can still request face shields from this form:

<https://forms.gle/33q5eiUmaJm8JmrWA>



2020 UNDERGRADUATE TEACHER OF THE YEAR: TODD CURTIS

Todd Curtis joined George Fox University in 2014 and is currently an associate professor of physics. He particularly enjoys making physics fun and accessible to students through demonstrations and lab activities. He believes that physics testifies to the glory of God and loves helping students synthesize their faith with science. He currently teaches physics classes and labs for engineering, pre-med and general education students.

Before coming to George Fox University in graduate school Todd spent time in Peru with Engineers without Borders working on a rural water supply project. He began teaching at the Community College of Denver, where he worked as an assistant professor of physics and astronomy for the next couple of years. Todd gained some industry experience as a research and development engineer for Applied Physics Technologies in McMinnville before teaching at George Fox.

Students rave about his work in the classroom. Here are a few quotes from his students:

“His passion for teaching, love of physics, and adoration of God makes him a one of a kind professor.”

“I walked away from physics with a greater understanding of the world and a greater appreciation for God’s creation. Professor Curtis challenged me with difficult problems and in depth questions, which helped me grow as a scientist and as a person. giving me hope and encouragement.”

“Every morning, you could find myself and numerous other students crammed in his tiny office searching for the answers to tough physics questions. But we were also there for spiritual growth and recharge. He truly put into practice ‘no bad question’. He did the impossible, he proved that there is a God through science.”



We are so pleased and proud to present the 2019-2020 undergraduate teaching award to Todd Curtis!

PRCCDC - GFU'S CYBER DEFENSE TEAM PLACES 5TH

Pacific Rim Collegiate Cyber Defense Competition (PRCCDC) - GFU's Cyber Defense Team placed 5th.

In February, teams from Washington, Idaho, and Oregon colleges and universities participate in a qualification competition in hopes of earning one of the 12 spots to compete at the PRCCDC. The winner of the PRCCDC competes nationally against all other regional winners. GFU qualified for the PRCCDC with an outstanding showing at the qualification competition.

The PRCCDC was held on Saturday, April 11. Due to COVID-19, this year's competition was held remotely with each team's members competing from home. GFU's Cyber Defense Team placed 5th. GFU is one of the smallest schools to compete. We are competing extremely well with the large NCAA Division-I schools which speaks very highly of our Cyber Security program.

Congrats to this year's team members: Kaylee Hafferkamp ('20), Danielle Ince ('20), Daniel Rohwedder ('20), Joseph Barnes ('20), Brendan Beck ('20), Ginny Frazier ('21), and Carlee Matsunaga ('21). Team Coaches are Dr. Brent Wilson and Prof. Erin Presby.