



Welcome to Inside engage

Thanks for reading the inaugural issue of Inside engage. This newsletter will be published approximately three times each semester, and is a means of communicating what is happening in The University of Tennessee, College of Engineering, Engineering Fundamentals Division.

Message from New Director, Richard Bennett

It is an honor to have been named the new Director of the Engineering Fundamentals Division. I have had a half-time appointment for the past eight years teaching Engineering Fundamentals courses, while the rest of my time was in the Civil and Environmental Engineering Department. I look forward to being full-time with Engineering Fundamentals, and continuing to improve on our freshman program. Dr. Roger Parsons, our previous director, has assumed duties as the College's Director of Outreach. Another Engineering Fundamentals faculty member, Dr. Chris Pionke, has been named Director of the College Honors Program.



EF Welcomes our Newest Faculty Member: Dr. Ortal Arazi

Dr. Ortal Arazi joined the EF program this Fall after earning her PhD in the Computer and Electrical Engineering department here at UTK. Her research work focuses on data security in networks that are resource-limited. Before joining EF, her passion for engineering education led her to various teaching positions, including at San Jose State University, here at the EECS Department and abroad. This fall, Dr. Arazi is co-teaching EF 151, Physics for Engineers I, with Prof. Will Schleter, and she will be coordinating EF 105, Computer Methods in Engineering Problem Solving. We are excited to have Dr. Arazi as part of our team.



Enrollment in EF 151 Up 24%

Enrollment in the first engineering course, EF 151, Physics for Engineers I, is up 24% from last fall, with 434 students this fall compared to 350 students last year. Enrollment in the Honors section has remained steady, with the 67 students this fall putting us at just over 500 students in our first engineering classes. The average Math ACT score is 30.0, compared to 29.8 last year. An additional 187 freshman students have been admitted to the College, but did not qualify for Calculus I. Upon successful completion of pre-calculus, they will be eligible to take EF 151 this spring.



Featured Problem (from EF 151 homework): The area of Ms. Russell's rectangular back yard patio is measured to be 292.6 square feet. If one side of the patio has a length of 2.22 smoots, what is the length of the other side in smoots?

