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Another semester has been completed, with the success rate in both EF 151 and EF 152 continuing to be approximately 80%. EF 152 was slightly modified to include a 3-week module on electricity and magnetism. In this issue, we will report on the EF 151 team project, as well as give a brief overview of EF 402, a review course for the Fundamentals of Engineering exam that we coordinate. We wish you the best during this holiday season, and thank you for your continued support.

Rube Goldberg, with a twist

The EF 151 final team project is typically the design and construction of a Rube Goldberg type device. The objective this year was to display a banner that had something related to UT.



There were two separate banners encouraging people to vote for one of our graduate teaching assistants, Paul Ritter, for the Heisman Trophy. We are still trying to figure that out. The project incorporated the twist that we had tried in Governor's School this summer, where each team had to trigger the next team, forming one long chain of Rube Goldberg devices. The purpose was to not only teach students to work in teams, but also teach teams to work with other teams. One section was able to run the entire chain of devices, or about 50 steps, with only two mishaps, which was much better than the Mythbusters did with their holiday Rube Goldberg device. Congratulations to all the students!



EF 402: Fundamentals of Engineering

One of the responsibilities of the Engineering Fundamentals Division is to coordinate a 1 hour review course for the Fundamentals of Engineering Exam. The course covers all of the topics of the morning general exam. The course has recently been transformed into an online course. Review videos by professors are posted on the website, and students work 240 online homework problems related to the exam topics. A discussion board is used to provide students with help as they work through the problems. The course ends with a 2-hour 60 question multiple choice exam similar in format and difficulty to the actual FE morning exam. Our goal is for the UT pass rate on the FE exam to be above the national average, which we have met for the past two years.

