The Jerry E. Stoneking Engineering Fundamentals Division
The University of Tennessee

Inside engage

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Engineering Freshman get a Head Start on Homework

This year we made the homework for the first module of EF 151 available to students before class started. When students would register for the class during the June orientation sessions, they would receive an e-mail welcoming them to the class, giving them the class web site address, and letting them know they could start on the online homework. The table shows how many of the 451 registered students took advantage of working the homework early. Part of the reason for providing early access to the homework was to build on the energy and excitement from orientation. One comment from a student was "Thanks for letting me get started on the homework early. I just wanted to let you know that I find many of the questions to be very, er, entertaining. Good work!"

Homework	# started	# finished
1	186	102
2	66	15
3	25	8

Professors Schleter and Bennett present paper at ASEE Conference

Professors Will Schleter and Dick Bennett presented a paper at the American Society for Engineering Education Conference in Louisville, KY, in June. The paper was entitled "Short, Hands-On Team Design Projects in a Freshman Engineering Physics Class" and as the title suggests described five of the short team projects that we have used in Engineering Fundamentals. The paper and a complete description of the projects is available on our web site under the Publications link.

Enrollment Up in Freshman Engineering

Enrollment for EF 151 is 451 students, up from 348 last year and 420 two years ago. This will be the largest class in EF 151 history.

Tennessee Teaching and Learning Center Helps Train Teaching Assistants

Dave Schumann and Taimi Olsen from the Tennessee Teaching and Learning Center provided a training session for our graduate assistants entitled "Engineer Your Classroom." The training covered best practices for doing demonstrations, for being the GTA in a recitation, for asking and answering students questions, and for managing groups during recitation sessions.

Who Wants to be a Millionaire

To start EF 152, we review EF 151 material with a game of Who Wants to be a Millionaire. Can you answer the $4,000 question? Rebecca Bennett serves a volleyball with a speed of 36 ft/sec at an angle of 28° from the horizontal. What is the minimum speed of the ball as it sails over the net for an ace?

A. 0 ft/sec
B. 21.2 ft/sec
C. 31.8 ft/sec
D. 36 ft/sec