

The Teaching Undergraduate Mathematics Seminar II (TUMS II) proudly presents:

## **Making Waves: Presentation**

*Presented by Thomas Judson and the Preceptor Group*

Two graduate students, Kara and Louis, are teaching parallel sections of the same calculus course. When Louis bemoans the inclusion of Fourier series in the course syllabus, Kara points out that there are important applications of that material to waves, which she plans to show her class. Louis, unfamiliar with the applications, attends her class and is impressed. He decides to describe these applications to his own section. Unfortunately, Kara's class performs poorly on the quiz about the applications; Kara is further disheartened by a student asking her if "the physics stuff" will be on the final. Though Louis is enthusiastic, Kara questions the wisdom of her approach.

In this case, we will discuss balancing theory and applications while teaching, students' learning styles, and collaborating with other lecturers.

We welcome anyone from the DEAS, Statistics, and Mathematics Departments who are interested in teaching.

Thursday, December 8, 2005, 2:30 to 4 p.m.  
Science Center 706 - Statistics Department Seminar Room