

## 42091 Seminar: Modeling Projects (3)

### **Knowledge**

Students will learn to write math-oriented reports, make professional slides and give oral presentations of an Individual and small-group projects concerned with the formulation and analysis of mathematical models in a variety of areas.

### **Comprehension**

Students will gain understanding of key aspect of formulation and analysis of math models, including writing professional reports and giving successful public presentations.

### **Application**

The students should be able to apply what they learn to their future professional presentations of research projects.

### **Analysis**

Students will develop the ability to write report and give clear presentations to variety of audience.

### **Synthesis**

Students should get used to combine their skills from Calculus, Linear Algebra, Introduction to Differential Equations, and Probability to this class.

### **Evaluation**

Students are required to submit written reports and oral presentations of their assigned projects. Students will participate course evaluation at the end of semester.

### **Class Activities**

To solve problems, give tutorial and discuss how to write reports, make slides, give public presentations in class.

### **Out of class Activities**

To submit weekly homework assignments, conduct the math projects, write reports, and prepare for final oral presentations.