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.