

Industrial Mathematics II

Department: MATH

Course Number: 6515

Hours - Lecture: 3

Hours - Lab: 0

Hours - Recitation: 0

Hours - Total Credit: 3

Typical Scheduling: Every odd spring

Description:

Applications of mathematical techniques from Math 6514 to solve real-world problems. Group projects to solve industrial problems in topics c by the instructor. (2nd of two courses)

Prerequisites:

[Math 6514](#)

Course Text:

No text

Topic Outline:

Applications of the mathematics developed in Mathematics 6514 to industrial problems. The problems will come from topics chosen by the instructor. Sample topics include:

- fluid mechanics
- transport problems
- material interface problems
- image processing
- computer vision
- optics
- queuing networks