Instructor: John P. Fonseka  
Office: ECSN 4.906  
Office Hours: 3.30 pm- 4.30 pm, TR  
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Course Objectives: To study advanced mathematical topics for engineering. Topics emphasized are vector calculus and complex variables

Pre-requisites: Math 2420 (Differential Equations with Applications) or equivalent


Course Outline: (subject to variations as needed)

Chapter 1: Infinite Series, Power Series (Review)
Chapter 4: Partial Differentiation (Review)
Chapter 5: Multiple Integrals, Applications of Integration (Early part is review)
Chapter 6: Vector Analysis
Chapter 2: Complex Numbers
Chapter 14: Functions of a Complex Variable

Grading Policy:

First Exam, Tuesday, February 08 – 25%
Second Exam, Thursday, March 24 – 30%
Final Exam, Thursday, April 28, 8.00-10.30 am - 35%
Homework Quizzes – 10%