

Math 362 Advanced Engineering mathematics  
Tu Thur 930-1050am  
Section 0002 3 Credits  
Dr. Bill Biden  
Tyler 221  
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Office Hours 3hrs a week to be announced

Requirements:  
A Graphing Calculator  
Text: Advanced Engineering Mathematics  
by Kreyszig (9<sup>th</sup> Edition)

Prerequisites: Math 142 or equivalent

Course description: This is a survey of several very useful Math Application areas including :Linear Differential Equations, Linear Algebra, Complex Functions and Probability and Statistics.

Grading: Scores based on 500 possible points.

100 points - Quizzes and any take home assignments using Maple (perhaps 2 of these)

200 points - two in class exams worth 100 its each.

200 points -Final Exam(cumulative, that is it covers the whole course)

Quizzes will be on Thursdays near the end of class time and in class exams will also be on selected Thursdays.

Suggested Homework Problems:

You should attend class, read each section in the book which we cover and do all suggested homework problems. I will not collect these. I will do request problems from the homework for a half hour on Tuesdays; The homework problems are listed on a second page of this syllabus which I shall provide shortly.