ME 750C, Modeling of Engineering Systems, Spring, 2016

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Classroom; Days/Time:	EB 122; M/W 9:30 10:45 pm
Prerequisites:	MATH 555, ME 325, or by instructor permission
Teaching Assistant:	N/A
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How to Use This Syllabus

This syllabus provides you with information specific to this course, and it also provides information about important university policies. This document should be viewed as a course overview; it is not a contract and is

Other Readings

Assignments and exams

Students are strongly encouraged to read course content before the class.
10-12 homework sets will be given (weekly basis)
Two midterm exams and one final (comprehensive) exam will be given.
One final project will be given.

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Tentative Schedule (subject to changes)

Week	Date	Subject	Reading
1	1/20	Introductions and Series	Chap 1
2	1/25	Series and Complex Numbers	Chaps 1&2
3	2/1	Linear Equations I (definition, determinant, Linear Systems)	Chap 3
4	2/8	Linear Equations II	Chap 3
5	2/15	In-class Midterm Exam I	Chaps 1,2,3
6	2/22	Ordinary Differential Equations	Chap 8
7	2/29	Partial Differential Equation I	Chap 4
8	3/7	Partial Differential Equation II, Project Proposal Due	Chap 4
9	3/14	Spring Break (no class)	
10	3/21	In-class Midterm Exam II	Chaps 4 & 8
11	3/28	Vector Analysis I	Chap 6
12	4/4	Vector Analysis II	Chap 6
13	4/11	Fourier Series	Chap 7
14	4/18	Fourier/Laplace transform	Chap 7
15	4/25	Special Functions	Chap 11
16	5/2	Review Class Final Exam	