

MATH 342B METHODS OF APPLIED MATHEMATICS

SYLLABUS - SPRING 2010

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Office Hours: M W 1PM – 2PM, and by appointment.

Textbook

Mathematical Methods in the Physical Sciences. Mary L. Boas. Wiley 1983.

In addition to a textbook, the material covered in this course will also be drawn from several reference books.

REFERENCES

- Otto Bretscher. Linear Algebra with Applications. Prentice Hall
- Henry Ricardo. A Modern Introduction to Differential Equations. Houghton Mifflin.
- Richard Haberman. Applied Partial Differential Equations. Prentice Hall

Grading	Homework:	35%	Grading Scale:	A – 90% and above
	2 Midterm Exams:	40%		B – 80% and above
	Final Exam	25%		C – 65% and above
				D – 55% and above

Make-up Policy: Homework/Exam dates will be announced in advance. Late homework will not be accepted. Make-up tests are given only under verifiable cases.

OUTLINE OF COURSE

This course is intended for students who wish to develop, in a short period of time, a basic competence in each of the many areas of mathematics needed in junior to senior-graduate courses in physics, chemistry, and engineering. Mathematical software such as MATLAB and Maple will be used to enhance basic concepts. Specific examples from interdisciplinary areas will be covered as time allows it.

IMPORTANT DATES

Withdrawal (fees refunded) Day: January 19

Last Class Day: May 12