

Syllabus

Math 1552- Section 013 - Fall 2007

4:40-6:30am TTh at Lockett 112

General Information

Instructor: Jasson Vindas

Office: Lockett Hall #379

Email: jvindas@math.lsu.edu

Office hours: 1:40-2:30p.m Tuesday & Thursday or by appointment.

Textbook Calculus, Early Transcendental (5th Edition by James Stewart)

Topics Covered

- Chapter 7: §7.1 Integration by parts, §7.2 Trigonometric integrals, §7.3 Trigonometric substitution, §7.4 Integration of Rational Functions, §7.7 Approximation Integration, §7.8 Improper Integrals.
- Chapter 12: §12.1-12.2 Vectors and Vector spaces, §12.3 Dot Product, §12.4 Cross Product §12.5 Equations of lines and planes.
- Chapter 10: §10.1-10.2 Calculus for Parametric Equations, §10.3-10.4 Polar Curves and Area & Length Problems for Polar Curves, §10.5 Conic Sections.
- Chapter 11: §11.1 Sequences, §11.2 Series, §11.3 Integral Test, §11.4 Comparison Test, §11.5 Alternating Series, §11.6 Ratio & Root Test, §11.7 Review of Strategies, §11.8-11.9 Power Series, §11.10 Taylor Series, §11.12 Binomial Series.
- Chapter 13: §13.1 Vector Functions & Space Curves, §13.2 Derivatives and Integrals of Space Curves
- Chapter 14: §14.1 Multivariable Functions, §14.3 Partial Derivatives & Partial Differential Equations.

<u>Tests & Final</u>	<u>Date</u>	<u>Percentage</u>	<u>Remarks</u>
Homework	See WebWork	25%	
4 unit tests	Announce soon	45%	Lowest grade will be dropped
Final exam	Dec. 10, 2007	30%	Final is partly comprehensive

Grading Scale

A: 90 - 100%, B: 80 - 90%, C: 70 - 80%, D: 60 - 70%, F: below 60.

Make-up Policy

For tests, there will be no make-up. If you miss a test, it becomes your drop test. For final exam, you have to inform me before Nov. 30, 2007 by email to arrange your make up exam.

Homework

Homework includes two parts, one is from WebWork and contributes 25% of your grade, and the other is a supplement from a homework list which will be provided later and will not be graded. Homework assignments will be the main sources for the test and final exam problems.

Remark

This course is designed to meet four credit hours toward the general education requirement for analytical reasoning. See the LSU catalog for more information.