

Math 2153, Calculus II, Syllabus

Section 701: 8:30 MWF, Old Central 103

Instructor: Dr. Jim Choike, Professor of Mathematics
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Office Hours: By appointment

Prerequisites: MATH 2144, Calculus I, in Fall 2010.

Textbooks: *Calculus: Early Transcendentals* 6e by James Stewart

Exams

There will be three one-hour in-class exams given on the following (tentative) dates:

Exam I Friday, February 11; Chapter 7: 1-5, 8 and Chapter 8: 1-2

Exam II Friday, March 11; Chapter 11: 1-7

Exam III Wednesday, April 20; Chapter 10: 1-4 and Chapter 11: 8-10

Comprehensive Final Exam

The Final Exam will be a comprehensive exam over all material covered in the course.
The Final Exam will be a 100-point Exam.

Final Exam:

Date: Friday, May 6 **Time:** 8:00 - 9:50 AM **Place:** Old Central 103

THERE WILL BE NO MAKE-UP EXAMS.

WebAssign Problems

The WebAssign system is an online resource for problems related to the sections in the text that this course will cover.

The advantage to the WebAssign problems is that you receive immediate feedback on whether you answers to WebAssign problems are correct or not. The WebAssign problems will count indirectly to your grade in the course in the sense that by doing these problems, you provide yourself with opportunities to learn the content of the course.

WebAssign Class Key

The class key for Math 2153, Section 701 in WebAssign, our online homework system, is:

okstate 4165 1747.

Students should set up their account and self-enroll for access to our section during the first week of class at <https://www.webassign.net/login.html>.

In-Class Written Quizzes

There will be unannounced weekly quizzes over the homework problems assigned, from the text and from the WebAssign online system, and the material covered in class. At a minimum 12 - 15 quizzes will be given, each worth a maximum of 10 points. The ten highest scores will be used as the Quiz Score called Q .

THERE WILL BE NO MAKE-UP QUIZZES.

Final Grade for the Course

The final grade will be based on the following method. The average of your semester scores (three hourly exam scores plus your Quiz score) will denote your semester grade S . The score on the final exam will be denoted F . The grade for the course will be based

on the number $G = \max\left(\frac{S+F}{2}, \frac{3S+F}{4}\right)$.

The final letter grade will be determined according to the grading scale:

Grading Scale

90 - 100 A

80 - 89 B

70 - 79 C

60 - 69 D

Important Dates

Tuesday, January 18: Last day to drop a course with no grade and no fees

Friday, January 21: Last day to drop a course with 50% fees and grade of "W"

Friday, April 8: Last day to drop or withdraw from a course with an automatic grade of "W."

Friday, April 22: Last day to drop from a course with an assigned grade of "W" or "F."

Pre-Finals Week: April 25 – 29, 2011

Finals Week: May 2 – 6, 2011

MATH 2153 Calculus II Syllabus

Textbook: *Calculus (Early Transcendentals) 6e* by James Stewart.

1/10	M	Intro to the Course and Sect. 7.1: Integration by Parts	3/7	M	Sect. 11.7: Strategy for Testing Series
1/12	W	Sect. 7.2: Trigonometric Integrals	3/9	W	Review for Exam
1/14	F	Sect. 7.2: Continued	3/11	F	Exam 2: Chapter 11 (1-7)
1/17	M	MLK Day	3/14	M	Spring Break
1/19	W	Sect. 7.3: Trigonometric Substitution	3/16	W	Spring Break
1/21	F	Sect. 7.4: Integration of Rational Functions by Partial (Case I and Case III)	3/18	F	Spring Break
1/24	M	Sect. 7.4: Continued	3/21	M	Sect. 11.8: Power Series
1/26	W	Sect. 7.4: Continued	3/23	W	Sect. 11.8: Continued
1/28	F	Sect. 7.5: Strategy for Integration	3/25	F	Sect. 11.9: Representations of Functions as Power Series
1/31	M	Sect. 7.8: Improper Integrals	3/28	M	Sect. 11.10: Taylor and Maclaurin Series
2/2	W	Sect. 7.8: Continued	3/30	W	Sect. 11.10: Continued
2/4	F	Sect. 8.1: Arc Length	4/1	F	Sect. 10.1: Curves Defined by Parametric Equations
2/7	M	Sect. 8.2: Area of a Surface of Revolution	4/4	M	Sect. 10.1: Continued
2/9	W	Review for Exam	4/6	W	Sect. 10.2: Calculus with Parametric Curves
2/11	F	Exam 1: Chap. 7 (1-5, 8) and Chap. 8 (1-2)	4/8	F	Sect. 10.2: Continued
2/14	M	Sect. 11.1: Sequences	4/11	M	Sect. 10.3: Polar Coordinates
2/16	W	Sect. 11.2: Series	4/13	W	Sect. 10.4: Areas and Lengths in Polar Coordinates
2/18	F	Sect. 11.2: Continued	4/15	F	Sect. 10.4: Continued
2/21	M	Sect. 11.3: The Integral Test and Estimates of Sums	4/18	M	Review for Exam
2/23	W	Sect. 11.3: Continued	4/20	W	Exam 3: Chap. 10 (1-4), Chap. 11 (8-10)
2/25	F	Sect. 11.4: The Comparison Tests	4/22	F	Sect. 10.5: Conics
1/28	M	Sect. 11.5: Alternating Series	PRE-FINALS WEEK		
3/2	W	Sect. 11.6: Absolute Convergence and the Ratio and Root Tests	4/25	M	Sect. 10.5: Continued
3/4	F	Sect. 11.6: Continued	4/27	W	Review for Final Exam
			4/29	T	Review for Final Exam

FINAL EXAM WEEK: 5/2 - 5/6

Final Exam for Calculus, 2153.701: Friday, May 6, 8:00 - 9:50 AM

Place: Old Central 103

Homework Assignments for Calculus II

Math 2153, Spring 2011

From: *Calculus* (Early Transcendentals) 6e by James Stewart

<p>Chapter 7</p> <p>Section 7.1: 1, 3, 7, 9, 11, 13, 15, 19, 23, 25, 55, 57</p> <p>Section 7.2: 3, 5, 7, 11, 13, 15, 19, 23, 25, 27, 41, 43</p> <p>Section 7.3: 1, 3, 5, 9, 11, 13, 15, 17, 23, 25</p> <p>Section 7.4: 1, 3, 5, 7, 9, 11, 13, 17, 29, 31, 33</p> <p>Section 7.5: 1, 3, 7, 9, 11, 13, 15, 17, 19, 21, 27, 29, 33</p> <p>Section 7.8: 1, 3, 5, 7, 9, 11, 27, 29, 31, 37</p> <p>Chapter 8</p> <p>Section 8.1: 1, 3, 5, 7, 9, 17, 19</p> <p>Section 8.2: 1, 3, 5, 7, 9, 13, 15, 25</p> <p>Section 8.3: 1, 3, 17, 29</p>	<p>Chapter 11</p> <p>Section 11.1: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 29, 31, 33, 35, 37, 39</p> <p>Section 11.2: 1, 3, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 31, 33, 35, 37</p> <p>Section 11.3: 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 25, 33, 35</p> <p>Section 11.4: 1, 2, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 29, 31</p> <p>Section 11.5: 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 27</p> <p>Section 11.6: 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27, 31</p> <p>Section 11.7: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 31</p> <p>Section 11.8: 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27, 31</p> <p>Section 11.9: 3, 5, 7, 9, 11, 13, 15, 17, 23, 27, 38</p> <p>Section 11.10: 3, 5, 7, 9, 13, 15, 17, 21, 25, 27, 29, 37, 55, 57, 59</p> <p>Chapter 10</p> <p>Section 10.1: 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 24, 28, 33, 37</p> <p>Section 10.2: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 29, 37, 39, 41, 43, 45, 47</p> <p>Section 10.3: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 25, 29, 31, 35, 37, 39, 41</p> <p>Section 10.4: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 27, 37, 39, 41</p> <p>Section 10.5: 1, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31, 39, 45</p>
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