Syllabus

MATH 161-Calculus II, Section 001

Summer I, 2015

BASIC INFORMATION

Course:	MATH 161 – Calculus II
Instructor:	Dr. Debendra Banjade
Office:	Wall 101 J
Telephone:	843-349-6569
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Office Hours:	MTWThF at 10:30 -11:30 AM, *or by appointment*

COURSE DESCRIPTION

Class Schedule:	June 8, 2015 through July 10, 2015 MTWThF 8:30-10:20 AM at Wall 211
Textbook:	*Calculus – Early Transcendentals* (7th edition) by James Stewart
Prerequisite:	Math 160 with a grade 'C' or above
Course Objectives:	Applications of integration, techniques of integration, sequences and series, Taylor Polynomials, elementary differential equations.
Student Learning Outcomes:	By the end of the semester, the successful student in Math 161 will have obtained facility in solving a variety of problems involving integrals, infinite series, and differential equations. More specifically, students will be able to:

1. Use definite integrals in applications;
2. Evaluate integrals using a variety of techniques;
3. Set up and solve integrals arising from geometrical problems;
4. Find limits of convergent infinite sequences;
5. Determine the convergence or divergence of infinite series;
6. Determine the radius of convergence of a power series;
7. Represent functions as power series;
8. Verify solutions of differential equations;
9. Set up and solve separable differential equations;

Tests: There will be three 50-minute exams and a cumulative 120-minute final examination as described below. (Note: Exam dates are subject to change. Make-up exams will be made solely at my discretion).

Test 1: *Wednesday, June 17*	**Test 2:** *Friday, June 26*
Test 3: *Wednesday, July 8*	**Final: (Cumulative)** *Friday, July 10, 2014*

Important Dates:

Tuesday, June 09	Last day to drop with no academic record
Monday, June 29	Last day to drop with a grade of "W"
Thursday, July 09	Last day of class
Friday, July 10	Final Exam

Homework, Worksheets and Quizzes: Homework problems can be found on the suggested exercise list. Homework will not be collected. Instead, worksheets for each sections and regularly scheduled quizzes will be given based on the homework.

Calculator: No calculator of level TI 89 or higher is allowed for any in class exams or quizzes. If you have questions about your calculator please let me know. Absolutely no cell phones are allowed in class at any time.

Student with Disabilities: Any student with a documented disability needing academic adjustments or accommodations is requested to speak with me during the first week of class. All discussions will remain confidential.

Tutoring Help: You can get <u>free</u> tutoring in the Mathematics Learning Center. Visit their webpage (www.coastal.edu/mathcenter) for hours and location.

Grade Guidelines: Quizzes= 10%, Worksheets 10%, Tests=51%, Final Exam= 29%

Grade Scale:

A:	90–100	B+:	86–89	B:	80–85	C+:	76–79
C:	70–75	D+:	66–69	D:	60–65	F:	below 60

LIST OF SUGGESTED EXERCISES

Section	Exercises (Test 1)	Section	Exercises (Test 2)
5.4	1-12 all, 15, 17, 21-43 odd	7.3	1-16 all, 21-28 all
5.5	1-18 all, 53-69 odd	7.4	1-26 all
6.1	1-29 all	7.8	5-39 odd
6.2	1-30 all	9.1	1-5 all, 15a, 15b
6.3	3-20 all	9.3	1-21 odd, 39, 45, 47, 49
6.5	1-10 all, 13, 14, 15, 17	11.1	3-18 all, 23-38 all
7.1	1-30 all	11.2	3-8 all, 15-41 odd, 51-63 odd, 87
7.2	1-12 all, 17-28 all		
Section	**Exercises (Test 3)**		
11.3	3-25 all	11.8	1-18 all
11.4	3-29 all, 40, 41	11.9	3-9 all, 13, 15, 17, 25, 27, 29, 31
11.5	3-19 all	11.10	5-9 odd, 13-15 all, 29, 31, 33
11.6	1-23 all, 35	11.11	3-10 all, 13-21 odd

More practice problems can be found at ww2.coastal.edu/rdahal/math161/practice.