Course Syllabus

Course Number and Section: MATH 1432, 14853 (Lecture) and 14854 (Lab)
Course Name: Calculus II
Instructor: James West, jdwest@math.uh.edu
Office Hours: Mon/Wed 1:00-3:00 PM in 620 PGH
Course Homepage: http://online.math.uh.edu/courses/math1432/index.php?page=home

Note: The information contained in this class syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Calculus II Topic List

Test 1 covers pre-requisite material

Chapter 7 Applications of Integration

7.1 Integration Review
7.2 The Mean-Value Theorem for Integrals
7.3 Area
7.4 Volume
7.5 Arc Length, Centroids and Surface Area
7.6 Differential Equations and Exponential Growth/Decay
7.7 Improper Integrals

Chapter 8 Techniques of Integration

8.1 Integration by Parts
8.2 Powers of Trigonometric Functions
8.3 Trigonometric Substitutions
8.4 Integrating Rational Functions
8.5 Numerical Integration

Chapter 9 Sequences and Series

9.1 Sequences and Convergence
9.2 Numerical Series and Convergence
9.3 Tests for Convergence
9.4 The Power Series
9.5 The Taylor Series
Chapter 10 Polar Coordinates and Parametric Equations

10.1 Polar Coordinates and Polar Curves
10.2 Area and Arc Length in Polar Coordinates
10.3 Parametric Equations
10.4 Derivatives for Curves Given Parametrically
10.5 Arc Length for Curves Given Parametrically
10.6 Surface Area

Online Live Lectures: 5:30-7:30 pm Tuesdays and Thursdays. Video recordings will be posted on the course webpage. Students are given an attendance grade for each week of the course. Attendance points can be earned by attending the live lectures or submitting the Alternate Assignment. There will be 5 attendance questions (poppers) in each lecture and 10 questions on the alternate assignment. The grade is determined by summing all points earned for a given week, with the maximum grade being 10. **Students who do NOT attend an online live meeting will be required to complete an alternate assignment to replace their daily in-class grade. If you do not like your popper score from class, you can complete the alternate assignment for extra credit.**

Text: **Students need to purchase an Access Code** from the UH bookstore to access the text and additional electronic learning materials through CourseWare at http://www.casa.uh.edu. Students are required to purchase the Access Code even if they purchase their own physical copy of the text. Please do not think of this as optional, it is impossible to pass this class without purchasing an Access Code.

Recitation (lab): There is no separate recitation grade. You have signed up for lecture section and recitation (lab) section. The two sections are interwoven in the course, and a grade will be given for the lecture course, representing the work in the combined classes. The lab session is a problem working session that will meet twice weekly online at a time to be determined. The lab attendance policy is the same as the lecture attendance policy above except that the maximum grade for each week is 5.

Homework: Homework will be assigned each week. Multiple choice homework assignments will be submitted online using EMCF on CASA. Written homework will be collected throughout the semester. Students will submit their written homework by scanning their written work and then uploading it using the CASA website. Instructions will be given.

Daily Grades (EMCFs): Daily grades will be given in the online lectures beginning the first day of class. During the lecture time, students will log into CourseWare and answer questions using the online EMCF form.

Online Quizzes: Online quizzes will be given during the semester. You can attempt these quizzes up to 20 times, and the highest grade will be used for your score. You can access the quizzes by logging into CourseWare at http://www.casa.uh.edu.
**Discussion Board Participation:** There is a class discussion board located on CourseWare at [http://www.casa.uh.edu](http://www.casa.uh.edu). Students are expected to post a question or reply to a post once a week for your discussion board participation grade. Posts must be related to the course content to count towards your grade.

**Exams:** Proctored midterms and final exams will be given on campus in the CASA testing center. The final exam will be comprehensive. If you live outside of the Houston area, you may ask for permission to have your exams proctored at a location in your area. For more information see [http://www.uh.edu/distance/student-resources/proctoring/](http://www.uh.edu/distance/student-resources/proctoring/). Exams for the spring 2015 semester will be given on the following dates:

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Test 1: Available online until September 3rd  
Test 2: September 24th – 26th  
Test 3: October 29th – 31st  
Test 4: December 3rd – 5th  
Final Exam: December 12th – 14th
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**Grading:**

Online Quizzes – 12.5%  
Homework – 10%  
Daily grades – 7.5%  
Exam 1 - 4 (10% each) - 40%  
Final Exam - 30%

90% and above - A  
at least 80% and below 90% - B  
at least 70% and below 80% - C  
at least 60% and below 70% - D  
below 60% - F

Notice that a portion of your grade will be determined from daily grades, which includes answering EMCF questions correctly in lecture and lab, completing the alternate assignment for that day, and participation on the discussion board.

**Whenever possible, and in accordance with 504/ADA guidelines, we will attempt to provide reasonable academic accommodations to students who request and require them.**