Calculus II (Math 173-001) — Spring, 2013

Location and Time: Hertz 121, MTWThF, 11-11:50 am
Instructor: George Kreppein

Office: 225-35 Black
Office Hours: MTWRF 10-10:50am .

CWU e-mail: kreppeinge@cwu.edu

Final Exam: Tuesday, June 4, 8:00-10:00 am
Textbook: **Calculus,Single Variable** by Hughes-Hallett, et al, 5th Edition. **The textbook is required.**

Calculator: A graphing calculator will be useful for this course. Some more advanced calculators can now do both differentiation and integration. However, in this course you will learn methods for doing things by hand and will have to do them by hand on exams. Smartphones **CANNOT** be used on exam! There will be no exceptions to this rule.

Course Content: The course will cover material from chapters 5, 6, 7, and 8 of the text. You should read the book. The examples in the text will supplement those given in class and the discussion and examples given in the text will provide reinforcement for material presented in class.

Classwork and Homework: You are expected to attend class daily. **Homework** will be assigned and graded. Sometime will be available during class to discuss the homework problems and your instructor is available during office hours. Use will be made of graphing calculators during class, on homework, and on exams (but note the comment made above).

Course Prerequisites: Calculus I is a formal prerequisite for this course. You must know the basic rules for differentiation: sum rule, product rule, quotient rule and chain rule. You must also know the formulas for the derivatives of the basic functions, including powers, roots, exponentials, logarithms, trigonometric and inverse trigonometric functions (arcsin, arccos, and arctan).
Learner Outcomes: Upon successful completion of this course, the student will be able to:

   work with the concept of definite integral and use basic properties of integrals;
   discuss how integrals can be approximated by Riemann sums and by other numerical approximation schemes;
   formulate and solve problems involving the various interpretations of the integral as displacement, area, volume, work, density, center of mass, probability distributions and densities;
   use the concept of antiderivative and apply it to solving problems;
   use the Fundamental Theorem of Calculus
   use analytical methods for constructing antiderivatives, including integration by parts, various substitution methods, and the method of partial fractions;

Grading: Your course grade will be determined by the following:

Homework -- 20 %
Quizzes   -- 30 %
Tests   -- 30 %
Final   -- 20 %

Homework: All the homework will be assigned for a week on Mondays. The weeks homework will then be collected on the following Monday. Since so much time is given to complete the homework, LATE HOMEWORK WILL NOT be accepted. Homework will also be done on weBWork. Here is the link to our course
webwork.math.cwu.edu/webwork2/Math173Kreppein/

Quizzes: Tentatively there will be six quizzes and one spot light quiz. The spot light quiz will replace the lowest score of your six official quizzes. There will be no make-up quizzes. Most quizzes will be given on the last school day of the week.

Tests: Two tests will be given in this class. Most tests will be given on the last school day of the week. Test are tentatively scheduled for 10/18 and 11/22

Final: The final will be accumulative. You **CANNOT** take the final early or late.

Grading scale

90	p		A	65	p	77.5	C
89	p	90	A-	64	p	65	C-
87.5	p	89	B+	62.5	p	64	D+
80	$p < 87.5$		B	50	p	62.5	D
79	p	80	B-		p	50	F
77.5	p	79	C+				

Policy on Missed Exams: No makeup exams will be given. If given at least 48 hours' notice an exam, which is not the final, may be taken early. On a case by case basis some exam may be taken late, not the final, if the reason for missing the exam is acceptable. Note the instructor of this course is the one who decides whether or not your reason for missing the exam is acceptable