Calculus II: MA132
Syllabus, Spring 2014

Instructors:

Guohui Song (SC377, x7900, gsong@clarkson.edu) Section 1
Chris Martin (SC349, x2373, cmartin@clarkson.edu) Sections 2, 3, 4 and 5
Sara Morrison (TAC102, x2360, smorriso@clarkson.edu, http://people.clarkson.edu/~smorriso/) Section 6

Text: Essential Calculus Early Transcendentals (2e) by James Stewart, ISBN 9781133112280
WebAssign: A WebAssign subscription will be required as part of this course. The textbook bundle sold in the bookstore includes the purchase of access to that program. Your course instructor will provide you with an 8-digit "class key" to allow you to enroll in the proper online section. Bundle ISBN: 9781133425946
Prerequisite: Calculus I: MA131 or equivalent

Course Description and Objectives:
The course will cover techniques of integration and applications of integration, such as area, volume, arc length, work, and if time allows, first order differential equations. The course also covers sequences and series, including various convergence tests, and Taylor series. The course meets three times per week in lecture with your professor and once a week in recitation with your teaching assistant (TA). Recitation meetings are designed to discuss questions about the homework, to review material from the lecture, and to conduct quizzes.

Grades: Your grade will be computed as follows:

12 %	Projects
13 %	Quizzes (Given in recitation and lecture)
15 %	Homework (written solutions to selected problems and Webassign problem sets)
45 %	Hourly exams
15 %	Final Exam

- Letter grades will be determined on the following scale: A(90-100), B+(85-89), B(80-84), C+(75-79), C(70-74), D+(65-69), D(60-64), F(0-59). In order to pass this course with a grade of C or better, you must pass a "Calculus ABC" test with a score of 90% or better.
- No calculators, books, or notes are permitted during exams but the projects will involve a technology component— typically using either EXCEL or MATLAB.
- You need to notify the instructor in advance of any missed exams so that alternative arrangements can be made. If you simply do not show up for an exam, then you earn a zero. **Make up exams are only available for extreme circumstances or for university sponsored activities when arranged in advance.**

Calculus ABCs**:** To pass this course with a grade of C or better, the student is required to pass a basic competency test with a score of at least 90%. You get one last chance on the day of the final. More information about Co-Calculus II will be given in class. For more information about exams, grading and sample exams, go to the following website: http://www.clarkson.edu/class/calcabcs/

The date and times for the calculus ABCs are given below. We will let you know which rooms to take your exam when we learn which rooms are assigned to us:

- ABC Exam 1: Tuesday, 1/14 (7:00 – 8:00 pm **OR** 8:30 – 9:30 pm)
- ABC Exam 2: Tuesday, 1/21 (7:00 – 8:00 pm **OR** 8:30 – 9:30 pm)
- ABC Exam 3: Tuesday, 1/28 (7:00 – 8:00 pm **OR** 8:30 – 9:30 pm)
- ABC Exam 4: Tuesday, 2/25 (7:00 – 8:00 pm **OR** 8:30 – 9:30 pm)
- ABC Exam 5: Tuesday, 4/1 (7:00 – 8:00 pm **OR** 8:30 – 9:30 pm)

Homework: Students learn Calculus by doing problems and so it is obvious to the instructors that HOMEWORK IS THE MOST IMPORTANT PART OF THE COURSE LEARNING.

WEBASSIGN, a web based homework question and grading will be used as the primary source of EVALUATING your understanding of basic exercise material. The questions are automatically graded, and the instructors will use these grades as a primary component to your homework score. The program will tell you if you are correct, and will give you several opportunities to fix any incorrect answers before it "locks out."

Your instructor may require you to submit SOLUTIONS to some selected problems of interest. A SOLUTION is not simply the answer; it is a complete explanation that clearly shows how the answer is determined. These submissions will be graded based on the **quality** of the SOLUTION, not simply the correctness of the answer. These grades, along with the grades from WEBASSIGN, will determine your overall score for HOMEWORK in this course.

Attendance: All students are expected to attend class, participate when appropriate and maintain a positive attitude.

Projects: Projects are designed to test your ability to tackle something more complex than a standard homework. Projects will be more involved than typical homework problems. A successful project will require you to use deeper problem solving approaches, combine knowledge from multiple sections of the course, and will **emphasize effective communication and technical writing.**

Exams : All exams are in the same classroom and same time as our regularly scheduled class. You are allowed 50 minutes for each exam. No additional time will be given.

Tentative test dates (these may change):

- 10 February 2014 – Monday
- 10 March 2014 – Monday
- 14 April 2014 – Monday

Please note that **the first test, 10 February 2014, is the Monday before winter break**. Do not make plans to leave campus before the test. We will not schedule make up exams for any student that wishes to leave campus early.

Moodle: All students will be automatically enrolled in the Clarkson Moodle system. Moodle will be used to communicate important announcements, upload documents, and display individual grades. Moodle will NOT be used to calculate final grades. It is the students' responsibility to make sure that the grade information in Moodle is accurate and to notify the instructor of any errors.

Academic Integrity:

"The Clarkson student will not present, as his or her own, the work of another, or any work that has not been honestly performed, will not take any examination by improper means, and will not aid and abet another in any dishonesty." (Clarkson Regulations) You are welcome, and encouraged, to work with other students on the homework. However, you must hand in your own work, and it must represent your own understanding of the assignment.