Math 135:35-37 Fall 2013

Course Information

Prerequisite: Placement into calculus, Rutgers Math 112 or Math 115, or equivalent.

Text: The following are very similar and you can use any of them in MA135

- *CALCULUS and Its Applications*, Custom Edition for Rutgers University, Pearson Custom Publishing. ISBN 0-536-80120-7 or 0-536-26071-0
- *CALCULUS* Sixth Edition, published by Kendall Hunt ISBN978-1-4652-2923-6
- The e-book, ISBN: 978-1-4652-3721-7, available from the publisher's website, http://kendallhunt.com/store-product.aspx?id=114051, for a fee of $55.99.

Calculators: Computers and calculators will not be permitted on exams. However, you may find a graphing calculator useful in this course; the recommended calculator is the TI-83 Plus.

Course purpose: This course is intended to provide an introduction to calculus for students in the biological sciences, business, economics, and pharmacy. Math 136 and Math 138 are possible continuations of this course. Students for need to take either Math 152 or Math 251 in the future must start with Math 151, not Math 135.

Course topics: The course will cover the bulk of the material in Chapters 1-5 of the text. The planned content of each lecture is given in a separate handout.

Course Web Page: http://www.math.rutgers.edu/courses/135/
WeBWorK Web Page: http://math.rutgers.edu/courses/135/135-f13/webwork.html

Instruction

Meetings: **Lectures** MW 5:00 PM - 6:20 PM, LCB-102 Livingston Campus. Recitation sessions are on Tuesdays at TIL 209. See your schedule for the time for your section.

Lecturer: Dr Las Goonetilleke

- Office hours: MW 6:30-7:30 PM at LSH-B Room 102 B, W 1-2 PM at Hill Center 611
- Email: las.goonetilleke@rutgers.edu
- Web: www.math.rutgers.edu/~lcg71

Recitation Instructor: Ms Lihua Huang

- Office hours: W 3:15-4:45 PM (and by appointment) at Hill Center 605B, Busch Campus
- Email: lhuang@math.rutgers.edu
- Web: TBA

Grading

The term grade will be based on the results of the examinations, on the scores on quizzes in recitation, and on the performance on the WeBWorK assignments. Here is more information about the individual components of the grade:

Exams: There will be two hour exams and a cumulative final. The hour exams will count 100 points each and the final will count 250 points. Exams will be closed book and student-prepared formula sheets will not be permitted. An official formula sheet will be provided with each exam. The dates of the hour exams listed in the lecture schedule are tentative. The hour exams are written by the lecturers and different sections will have different exams. The final is written by the course coordinator and is the same for all students in Math 135.

Recitation quizzes: Homework problems are assigned for each lecture. Students are expected to work on the problems for a particular lecture prior to the recitation class devoted to that material. Homework will not be collected. However, students are encouraged to ask questions in recitation about problems with which they had difficulty. At the end of the recitation class there will be a short quiz consisting of one or two problems similar to the homework problems. Together the quizzes will count 75 points toward the term grade.

WeBWorK: The Mathematics Department provides a Web-based system called WeBWorK that allows students to work on selected problems and to submit answers until they get the problem right. Each student gets different versions of the problems to solve. WeBWorK assignments must be done online. The WeBWorK grade counts 75 points toward the term grade and is determined by how many problems the student eventually gets right, not on the number of tries needed to get the correct answer.

In summary, here are the components of the term grade with their maximum possible points:

Component	Points
Hour Exams	200
Final Exam	250
Recitation Quizzes	75
WebWork Problems	75
Total	600

Grading standards: The meanings of the grades in Math 135 are related to the probable success of the student in Math 136. Grades of A or B indicate that the student is well-prepared for Math 136. A grade of C indicates that the student can probably succeed in Math 136, but that they will have to work harder in Math 136 than they did in Math 135. A grade of D suggests that although the student is allowed to take Math 136, the chances of success are quite small.