Course instructor

Alexandra Popa, alexandra@math.rutgers.edu,

office hours: Wednesday, 3:20-4:40pm in Hill 009 and Thursday, 9:30-11am in Hill 440

Website for Math 151, Fall 2013, Sections 10-12 and 31-33

http://www.math.rutgers.edu/~alexandra/Math151

The course website contains all the relevant information about the course [including: teaching staff and office hours, homework/reading assignments, exams info]. You are expected to be familiar with the website content so please visit it today and on a regular basis during the whole course. Updates will be made throughout the semester.

Grading Scheme

Homework=50 pts; Workshop=75 pts; Midterm #1=100 pts; Midterm #2=100 pts; Final =200 pts.

A sufficiently good score on the unannounced in-class assignments during some of the lectures may increase your total score; details on this will be announced during some of the lectures.

Attendance is mandatory and may be taken during both the recitations and lectures.

Textbook

A special package with ISBN 1-4641-0376-3 based on Jon Rogawski; Calculus: Early Transcendentals (second edition)

Office of Disability Services for Students

If you have a physical, medical, or learning disability that may affect your course work, please contact the Office of Disability Services for Students, http://disabilityservices.rutgers.edu,
dsoffice@rci.rutgers.edu, phone: 848-445-6800


The course instructor and the teaching assistant should be informed as soon as possible, but no later than the end of the second week of the course. All information and documentation of disability is confidential.

Requirements

1. Read the material in the textbook before it is taught in the lecture; see the schedule of lectures on the course website for the reading assignments.

2. Attend and actively participate in all lectures and recitations [=workshops]. Follow carefully all arguments/ideas/examples presented in the lectures/recitations and ask related questions if anything feels unclear.

3. Do not interrupt the lecture/recitation with administrative questions. Instead ask those questions whenever explicitly invited to do so.
4. Hand in all written assignments by the deadline [specified by the course/recitation instructor or the course website].

**Late assignments will not be graded.**

During most weeks, you will have to hand in two assignments in the recitation: a workshop writeup and a homework assignment. The workshop assignment and its deadline [typically one week from the day in which it was assigned] will be announced by the recitation instructor at the end of the recitation. The homework assignments and their deadlines are available in the table on the website.

5. Pass the three exams (two midterms and a final).

6. Analyze the graded homework/workshop assignments/midterm exams carefully and make sure that you know why points were taken off and what the correct solution in each case is.

You are encouraged to:

**Ask questions** during office hours. **Ask relevant Math questions** throughout the lectures/recitations, especially whenever invited to do so.

**Administrative questions/concerns?**

Please visit the course website first for the latest updates. Remember to visit the “Frequently asked questions” section.

If the course website does not contain a clear answer to your question, then please e-mail the course instructor at alexandra@math.rutgers.edu.

**Math questions?**

- Come with them to office hours.
- Ask them whenever invited to ask questions during the lectures and recitations.
- Please do **not** e-mail Math questions. Due to the big number of students currently registered in this class, I will deal with such questions only in class or during office hours.

**Content**

This is an introductory course in differential and integral calculus. The central object of study are functions.

The course relies on a few fundamental concepts (definitions) - such as monotonic function, limit, continuity, differentiability, integrability - and a few fundamental facts (theorems/methods of computation) - such as the Intermediate Value Theorem, the Mean Value Theorem, the Chain Rule, the Fundamental Theorem of Calculus. A complete list of what the fundamemental concepts and facts are in my view is available under [fundamentals](#) on the course website. **First and foremost, you should make sure that you know the fundamentals very well.**

**E-mail communication**

Occasionally, I will be communicating with you via e-mail. A test e-mail will be sent to you by the end of September 3. If you do not receive it, then please e-mail me at alexandra@math.rutgers.edu with your full name and student ID number.
The main course website (for all Math 151 sections)

https://www.sites.google.com/a/scarletmail.rutgers.edu/640-151-f13/

contains useful general info [such as, part of your homework, practice material, and more].

HOMEWORK 0 IS DUE ON THURSDAY, SEPT 5

Homework 0 = read through the course website for sections 10-12 and 31-33 and write down a list of relevant administrative questions, if you have any. You will be invited to ask your questions at the beginning of the lecture on Thursday.