Calculus II: Mathematics UN1102 (Fall 2019 Section 1)

Logistics

Lecture: MW 1:10-2:25pm at Math 417
Textbook: *Calculus: Early Transcendentals* (8th edition) by James Stewart (WebAssign **not required**), see `http://www.math.columbia.edu/programs-math/undergraduate-program/calculus-classes/#textbook`
Website: `http://yisun.io/un1102/fall2019/un1102.html`
Instructor: Yi Sun (`yisun@math.columbia.edu`), office hours 11:10am-1:10pm Monday in Math 413
TAs: TBD, office hours TBD

Overview and prerequisites

This is a second course in single-variable calculus. The course consists of three main topics:

- Integration: techniques and applications (Ch. 6-8)
- Sequences and series (Ch. 11)
- Introduction to differential equations (Ch. 9)

Calculus I (Math UN1101, previously Math V1101) is a prerequisite for this course. If you have questions as to whether this course is appropriate for you, consult the departmental guide at `http://www.math.columbia.edu/programs-math/undergraduate-program/calculus-classes/` or contact me by email.

Course Policies

Homework: There will be weekly written homeworks due Wednesday. Homework should be submitted on Gradescope by the beginning of lecture on Wednesday. See the course website for submission information.
Exams: There will be two midterm exams and a cumulative final exam according to the following schedule.

- Midterm 1: Monday, October 7 during class
- Midterm 2: Wednesday, November 13 during class
- Final Examination: Scheduled by the registrar, projected to be 1:10-4:00pm Monday, December 16

The use of notes, textbooks, or electronic devices will not be allowed during exams. No make-up exams will be offered without a letter from the dean or a doctor's note. No make-ups are possible for the final exam.
Grading: The final course grade will be determined according to the following division:

- Homework: 20%
- Midterms: 20% each
- Final Examination: 40%

The two lowest homework scores will be dropped to accommodate illness and other unforeseen circumstances. Late homework will not be accepted.
Collaboration and Academic Integrity: I encourage you to work together on homework! For written homework, you must write your solutions alone and **understand what you write**. When submitting your homework, you should cite any sources you used (in print, online, or human) other than the textbook and myself. See also the Faculty Statement on Academic Integrity at `https://www.college.columbia.edu/academics/integrity-statement`.
Students with disabilities: In order to receive disability-related academic accommodations, students must first be registered with Disability Services (DS). More information on the DS registration process is available at `http://health.columbia.edu/disability-services`. Registered students must present an accommodation letter to the instructor before exam or other accommodations can be provided. Students who have, or think they may have, a disability are invited to contact DS for a confidential discussion.

Getting Help

Help Room: Free tutoring is available without an appointment at the Barnard help room at Milbank 333. See the schedule at `http://www.math.columbia.edu/general-information/help-rooms/333-milbank`.
Tutoring: Columbia and Barnard offer peer tutoring. See more information at `http://www.math.columbia.edu/general-information/tutoring-services`.
Contact me: Please come to office hours or email me for help if you are having difficulty with the material.