

Recitation Syllabus and Information Sheet for Mathematics 2153: Calculus III, Spring 2017

Lecturer: Xiaolon Nie
Office: Mathematics Tower (MW) 456
Office Hours: Mon, Weds, and Fri 1:50-2:50pm
Email: nie.102@osu.edu

Recitation Instructor (TA): Reeve Garrett
Office: Mathematics Tower (MW) 320
Office Phone: (614)-292-7048
Office Hours: Tuesdays 2-5pm or by appointment
MSLC Tutoring Hour: Wednesdays 11:30-12:30pm in Cockins Hall (CH) 131
Email: garrett.425@osu.edu
Website: <http://u.osu.edu/garrett.425> (**HAS USEFUL HANDOUTS**)

1 Course Information

Mathematics 2153 is the third and final semester in a three semester course on differential and integral calculus in real variables. This semester begins with a study of vector and vector-valued functions, particularly parametrized curves. From there, we study functions of several variables, specifically differential and integral calculus in multiple real variables and their applications. Once that part is covered, we will conclude with a study of vector calculus, specifically vector fields, line and surface integrals, and the theorems that help us evaluate them. The content of this course is difficult for many students, especially in the final chapter, so please come talk to me if you find yourself having difficulty understanding anything or if you find yourself falling behind. I need the feedback on what students are having trouble with at least as much as you need the help.

2 Recitation Format

These sections will be dedicated to answering your questions and working together as a class on practice problems in the book from the various sections covered in lecture the previous days and in the new few days to come in preparation for the homework assignment due the following week, quizzes, and exams. My recitation section comprises 26% of your course grade, and it will consist of online homework (due 11:59pm most Wednesdays) and take-home quiz scores. Homework, quiz, and exam problems may be modeled after the problems we go over in recitation or problems with very similar methods. **Your attention and participation is crucial to the effectiveness of this section and your success in this course.** I will rarely be lecturing - instead, I will be guiding the class to the solution of the problem at hand by posing questions to the class, occasionally briefly recalling concepts from lecture as needed. On most Thursdays, you will be submitting a take-home quiz received in class the previous week to me. The course calendar indicates when I will distribute a take home quiz testing the designated sections. I will be looking for very specific things in your solutions, so **showing all work is strongly advised.** Moreover, **I am not allowed to help you on the take-home quizzes, and it is Dr. Nie's policy that you must work alone.** Additionally, I will not accept late quizzes past 5pm on the due date, except in cases of documented illness (doctor's note required) and university obligations (namely, this applies to athletes). If not submitted in class, please submit your quiz to my desk in MW 320. If you are unable to make it to class, please at least email me pictures or scans of your quiz (including all pages) on the day that it is due and **turn in the hard copy to me in my office promptly.**

3 My policies

My main policy is that all students have respect for each other and me in our recitation sections. Please step outside if you need to answer your cell phone, silence your cell phones before class begins, avoid bringing

electronics with large screens (for instance, laptops) to class, don't be judgmental towards students who don't understand something that you already understand, try to avoid eating aromatic or crunchy food, don't have long conversations in class, and enter the room quietly and take a seat quickly if you come in late. Also, please **DO NOT CHEAT**. By choosing to cheat, you are undermining the efforts of your fellow students. The penalties for academic misconduct are quite severe if caught, and I will vigilantly look for and find cheaters. Any instance of cheating will be dealt with to the fullest extent as dictated by OSU academic policy.

Additionally, on the subject of respect, I would greatly appreciate it if students **tell me if I'm doing something wrong or how I can improve as a teacher**. If I make a mathematical mistake, tell me! If I wasn't clear enough going from one step to another, tell me! If you're having trouble reading something, tell me! If you're having trouble hearing me, tell me! If you feel like your raised hand is being ignored, tell me! If you think I'm spending the recitation talking to the board, tell me! If you're frustrated with how I conduct the recitation in any other way, tell me! I can't improve if no one's telling me what I need to do to improve, and I can't be of optimal assistance to you if I'm stuck having the same bad habits because I'm unaware I even have them. Moreover, if anything is unclear to you, odds are it is to numerous others in the class too, so please speak up!

4 Other Helpful Information

Be sure to check your email and my website regularly for problem-solving advice and handouts I've created. Also, the Mathematics and Statistics Learning Center (MSLC) offers free walk-in tutoring (no reservation needed) from 10:20am to 4pm Monday through Thursday in Cockins Hall, Room 131. The MSLC also offers evening tutoring from 4pm to 7pm Monday through Thursday in the basement of the 18th Avenue Library, in room 040. Depending on when you go, you'll probably get more one-on-one attention if you attend my office hours.

5 Important Dates

The fourth Friday of the semester is the last day to drop the course without receiving a "W" on your transcript. The 10th Friday is the last day to drop the course without having to petition. Exam dates and times are as follows:

- * Midterm 1 - Fri, Feb 17, 2017, 3:00 - 3:55 PM
- * Midterm 2 - Fri, Apr 7, 2017, 3:00 - 3:55 PM
- * Final - Fri, Apr 28, 2017, 4:00 - 5:45 PM

All exams take place in your lecture room, Lazenby Hall Room 021. If you can't take an exam at the regularly scheduled time, talk to Dr. Nie **before the exam** to schedule a make-up exam. For other important dates for the university, check <http://registrar.osu.edu/staff/bigcal.asp>.