

## Welcome to Math 155!

**Instructor:** Arseniy (Senia) Sheydvasser

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**Class Meetings:** MW 3:10-5:00 over Blackboard

**Office Hours:** 2:00-3:00pm Tu/Th over Discord

**Math Department Office:** 919/944 HE

**Math Department Telephone:** (212) 772-5300

**Course Webpages:** CunyFirst, Blackboard, Lumen, Overleaf

**Textbook:** James Stewart's *Essential Calculus, Early Transcendentals, 2nd edition*.

**Rough Summary of the Course:** This course picks up from where 150 leaves off in studying the fundamentals of calculus for one-variable, real-valued functions. Objectives of this course include expanding the set of functions that students are comfortable working with and adding new techniques for computing limits, derivatives, and integrals, along with some of their physical and geometrical motivation and interpretations. Emphasis will be placed on acquiring an understanding of the concepts that underlie the subject, and on the use of those concepts in problem solving.

**Over-Tallies:** The general policy of the mathematics department at Hunter is that overtallies are accepted at the sole discretion of the instructor. I cap this course at 35 students; however, it is common for students to transfer between sections or to drop the course early, so I have not never had issues with students wanting to take the course but being unable to. If you wish to be added as an overtally, please e-mail me and see me in class if possible. I add students to my waitlist on a first-come, first-served basis. If there is space in the course, fill out an overtally form (available on Blackboard and the Hunter College website); I will sign it and you will submit it to the math department office, 919 Hunter College, East Building.

**Homework:** 10% of your total grade is based on on-line homework using Lumen, as well as possibly some written homework to be handed in in class. You will have an opportunity to ask questions about some of the homework problems and the examples in the text the following week. (The text has plenty of examples in each section. You are expected to read them). The deadline for completing the online homework sets are a few weeks after the exam that will test those topics except for the final where the deadline is the day after the final. However, I strongly recommend not putting it off until the last minute, as it is very easy to fall behind. The only way to prevent this from happening is to keep up with the assignments. If you are having trouble it is important that you come to see me during my office hours.

To access Lumen, you will need to set up an account. To do this, you will need the course ID and the enrollment key.

- The course ID: 41303
- The enrollment key: purple elephant

**Exams:** There will be one in-class exam, four quizzes, and a final (see the schedule at the end for dates—the date and location of the final is as yet to be determined. Note: the mathematics department does not exempt seniors from final exams—it is required for every student in the class.). The quizzes are available online through Lumen, and can be taken at any time prior to their due date. Each of them is roughly a half dozen questions long, and have a time limit of 50 minutes. Each quiz appears twice, noted as “Attempt 1” and “Attempt 2.” Please do “Attempt 1”—if you experience any technical difficulties with this, please let me know, and I will have you take “Attempt 2” instead.

**Grading:** Letter Grade = 90% Exam Grade + 10% Homework Grade

The Exam Grade is the average of the in-class exam, the quizzes, and the final. The final is counted as two exams for this purpose. The exam with the lowest grade is dropped (if this is the final, it will simply be counted once).

The Homework Grade is the average score for the homework (total points scored over total points possible). The homework with the lowest grade is dropped.

Score	Letter Grade
100 – 90	A
89 – 80	B
79 – 70	C
69 – 60	D
59 – 0	F

**Incompletes:** By department policy, under normal circumstances only students averaging a C or above who miss the final exam for documented emergencies are eligible to apply for Incompletes.

**Withdrawing:** Students wishing to withdraw from the course may do so until May 14. A grade of W will still be visible on your transcript. See the Hunter website for further information.

**Electronic Devices:** Please keep phones shut off/on silent and stowed away during class. You can use calculators in class, but I recommend only using them to double-check your work. You can use a scientific, *non-graphing* calculator on the exams.

**Academic Honesty Policy:** Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

**Disability Policy:** In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical, and/or Learning) consult the Office of AccessABILITY, located in Room E1214B, to secure necessary academic accommodations. For further information and assistance, please call: (212) 772- 4857 or (212) 650-3230.

**Dolciani Math Center:** The Dolciani Math Center will resume its support services online beginning Monday morning (03/23) at 9:00AM. Students wishing to participate in small-group tutoring should first check our website for the hours when tutoring for a specific subject is available since they are different from our original hours. During these hours you may send an email to [mthtutor@hunter.cuny.edu](mailto:mthtutor@hunter.cuny.edu) and include the subject/course for which you need tutoring. You will then receive a link for a specific tutoring room in Scribblar. Even if you have used Scribblar before, you must send an email each time since there are multiple rooms and we want to ensure you have support. Just as with on-site tutoring during normal conditions, the tutor will assist as soon as possible and will work with a small group so it is best that your questions be prepared in advance. If there are large groups, we may ask you to sign out after one hour and return later. More information about problem sessions, study skills workshops, and computer tutorials will be posted on our website shortly. Please keep checking for updates. If you visited the Center to use your textbooks, please note that many of the publishers are putting their textbooks online free for your use until the end of the semester. Click on this link to see if your book is available. [VitalSource Helps](#)

**Schedule:** A tentative schedule for this semester is given below. There are two extra days in the semester not accounted for in this calendar; if not used for unexpected class cancellations, we will use them as review sessions. I will notify you in class and by e-mail if we are forced to change the schedule.

LECTURE	DATE (tentative)	SECTION	TOPIC
1	01/27	5.1	Inverse functions
2	01/29	5.2	The natural logarithmic function
3	02/03	5.3	The natural exponential function
4	02/05	5.5	Exponential growth and decay
5	02/10	5.6	Inverse trigonometric functions
6	02/19	5.8	Indeterminate forms and L'Hospitals rule
7	02/24	6.1	Integration by parts
8	02/26	6.2	Trigonometric integrals and substitutions
9	03/02	5.1 - 6.2	Exam I
10	03/04	6.3	Partial fractions
11	03/09	6.5	Approximate integrals
12	03/11	6.6	Improper integrals
13	03/23	6.6	Improper integrals, continued
14	03/25	7.4	Arc length
	04/03	6.1 - 6.6	Chapter 6 Quiz
15	04/06	8.1	Sequences
16	04/07	8.2	Series
17	04/13	8.3	The integral and comparison tests
18	04/15	8.4	Other convergence tests
19	04/20	8.5	Power series
20	04/22	8.6	Representing functions as power series
	04/24	8.1 - 8.4	Chapter 8 Quiz I
21	04/27	8.7	Taylor and Maclaurin series
22	04/29	9.1	Parametric curves
	05/01	8.5 - 8.7	Chapter 8 Quiz II
23	05/04	9.2	Calculus with parametric curves
24	04/06	9.3	Polar coordinates
	05/08	9.1 - 9.3	Chapter 9 Quiz