

# Math 160.02 Spring 2022

## Course Details

January 28<sup>th</sup> - May 24<sup>th</sup>

Mondays and Thursdays 2:45 - 4:00pm

In person

## Instructor Information

Ms. Sarah Nelson

sbnelson@hunter.cuny.edu

I check my email at least once a day Monday – Friday

## Office Hours

Tuesdays and Thursdays 5:30-6:30pm in room 924 HE

Or email me to schedule a meeting at a different time

## Prerequisite

Math 12550 or Math 125 or appropriate score on the placement exam.

## Textbook

*Linear Algebra with Applications* by Stephen Leon, Pearson Publishers

8<sup>th</sup> Edition Print ISBN: 0136009298

9<sup>th</sup> Edition Print ISBN: 0321962214

9<sup>th</sup> Edition eBook ISBN: 0321983963

10<sup>th</sup> Edition Print ISBN: 0135181631

10<sup>th</sup> Edition eBook ISBN: 0135262399

Any edition will be fine for this class.

Places to buy the book (that I know of): Hunter College Online Bookstore, Shakespeare & Co.,

[www.amazon.com](http://www.amazon.com), [www.coursesmart.com](http://www.coursesmart.com), [www.vitalsource.com](http://www.vitalsource.com)

## Topics

1.1-1.5, 2.1-2.2, 3.1-3.4, 5.1, 6.1. Additional topics if time permits.

## Learning Outcomes

After completing this course, a student will be able to:

- Solve systems of linear equations using Gaussian elimination and Gauss-Jordan Elimination
- Perform operations using matrices and apply matrices in real-world applications
- Calculate determinants, understand their properties and some applications
- Define vector spaces, vector subspaces, and understand their properties
- Find length and the dot product in Euclidean space

- Calculate Eigenvalues and Eigenvectors

## **Blackboard**

Though this is an in person course, we will use a Blackboard site for homework and additional resources. I will send out announcement and reminder emails through Blackboard, so make sure your email address is correct. There will be a folder on Blackboard for each week containing all the materials for that week including slide presentations, any outside links, and homework.

## **Homework**

Homework will be assigned every week from the textbook. It is absolutely necessary to do these homework problems to be successful in the course.

Homework will be due every week by Monday, see Blackboard for specific dates. I will randomly choose two problems to grade every week. You will be graded not only on getting the correct answers to the problems but also on showing each step and using proper notation.

You can either handwrite your work and take photos or scan it into a PDF or write directly into a PDF with a tablet and stylus. Then upload your work to Blackboard.

## **Exams**

There will be two in-class exams and a final exam. The dates of the exams will be announced in class. The final exam will count twice. Of the four scores (exam 1, exam 2, final exam, final exam), the lowest score will be dropped. There are no make-ups for in class exams. If an in class exam is missed, a score of zero will be recorded and dropped. If you need to miss the final exam, please contact me as soon as possible. To receive an incomplete you must have taken at least one of the in-class exams, have a C average in the class overall, and have a legitimate excuse for missing the final exam. P/NC grading cannot be requested for this course.

## **Calculators**

A scientific calculator is permitted for exams. Graphing calculators, phones, etc. are not permitted.

## **Grading**

75% Exams  
20% Homework  
5% Participation

## **Tutoring**

Table tutoring and audiovisual materials are available at The Dolciani Mathematics Learning Center, located at the Silverstein Student Success Center 7<sup>th</sup> Floor Hunter East. Tutoring is available remotely and on site by appointment. Appointments can be booked through Navigate. For hours and more information visit their website [www.hunter.cuny.edu/dolciani](http://www.hunter.cuny.edu/dolciani).

## **Student Resources**

Counseling and Wellness Services offers free and confidential short-term counseling services, referrals, workshops, and support groups to all Hunter College students. Visit <http://www.hunter.cuny.edu/cws/counselingservices> for more information.

Visit <https://ww2.hunter.cuny.edu/students/student-life/emergency-support-and-resources/> for links to resources such as food pantries, emergency funding sources, and technology access.

Assistance with CUNY login (Blackboard, CUNYfirst), email, Hunter NetID: [studenthelpdesk@hunter.cuny.edu](mailto:studenthelpdesk@hunter.cuny.edu) , (212) 650-3624

Academic Advising: <http://www.hunter.cuny.edu/advising/>

Financial Aid: <https://hunter.cuny.edu/students/financial-aid/>

## **Academic Integrity**

“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.”

## **Office of AccessABILITY**

“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 Accessibility.” Call (212-772-4857)/TTY (212-650-3230) or visit <http://www.hunter.cuny.edu/access> for more information. Students are welcome to speak with me privately about any accommodations.

## **CUNY Statement on Sexual Misconduct**

“In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).

b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose ([jtrose@hunter.cuny.edu](mailto:jtrose@hunter.cuny.edu) or 212-650-3262) or Colleen Barry ([colleen.barry@hunter.cuny.edu](mailto:colleen.barry@hunter.cuny.edu) or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.”

CUNY Policy on Sexual Misconduct Link: <http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf>