Mathematics 10.1 – Linear Algebra  
3 hours, 3 credits  

Instructor: Dr. Cooley  
Fall, 2008

Course Information*

This course will examine the key concepts in introductory linear algebra, building up to an understanding of vector space. Linear algebra will be examined algebraically, geometrically, numerically and verbally. Student questions and discussion are encouraged.

Homework will be assigned most classes and collected at the beginning of the following class. HW will not be graded and you will be given some time to ask questions. However, HW will be evaluated to determine if it is complete and completion will count towards the final grade. Late HW will not be accepted.

There will be three in-class tests and a final exam. There will be no make up tests.

One goal of the HW and the tests is to help you to keep up with the concepts being studied. Each new concept builds on those previously studied. If you fall behind, it could affect the rest of the course material. You can expect to spend 3 – 5 hours study time for every hour spent in class.

Meeting Time:  
T-TH, 9:30am – 10:45am – Be on time!

Meeting Place:  
New Ingersoll, Room 135 – We will occasionally meet in the Math Dept’s computer room in the basement of Old Ingersoll.

Textbook:  
Linear Algebra, 2nd edition, by David Poole

Attendance:  
Mandatory.

Calculator:  
Necessary. You may use either a scientific or a graphing calculator.

Office:  
Prof. Cooley - Ingersoll Hall, Rm 1149

E-mail:  
LCooley@brooklyn.cuny.edu

Office Hours:  
Professor Cooley - Tuesdays, 4:00 – 6:00pm and by appointment

Grade:  
15% - HW  
50% - Exam Average  
35% - Comprehensive Final Exam

The following book sections of will be included, although some topics within sections may not be included: 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.5, 3.6, 3.7, 6.1, 6.2, 6.4, 6.6, 4.1, 4.2, 4.3

*This is a tentative outline. Some changes may be made during the semester as needed.