

MAT 203: Calculus III with Applications

Spring 2018

Important: This webpage is intended solely to students of MAT 203 with Dr. Lombardi. All other students of MAT 203 should contact their own instructor for further information regarding the course.

[Download Syllabus](#)

Instructor's Contact Details:

Instructor: Dr. Luigi Lombardi

E-mail: luigi.lombardi AT stonybrook.edu

Office: Math Tower 3-120

Office hours:

Tuesday 1:00pm-2:00pm in Math Tower 3-120

Wednesday 1:30pm-2:30pm in Math Tower 3-120

Friday 1:00pm-2:00pm in MLC

or by appointment

Teaching Assistant:

Instructor: Xuntao Hu

Office: Math Tower 2-115

E-mail: xuntaohu@math.stonybrook.edu

Office hours:

Thursday 3pm-4pm in Math Tower 2-115

Wednesday 2:30pm-3:30pm in MLC

Thursday 2pm-3pm in MLC

Lecture (location and time):

Location: Harriman Hall 137

Time: Monday, Wednesday, Friday 12:00pm - 12:53pm

Recitation Sections (location and time):

Recitation 01

Location: Library E4330

Time: Tuesday 2:30pm-3:23pm

Recitation 02

Location: Earth&Space 069

Time: Wednesday 10am-10:53am

Recitation 03

Location: Earth&Space 069
Time: Monday 2:30pm-3:23pm

Textbook:

The textbook of the course is “Multivariable Calculus” by R. Larson and B. Edwards, CENGAGE Learning, 11th edition. The textbook is required.

Prerequisite:

C or higher in MAT 127 or 132 or 141 or AMS 161 or level 9 on the mathematics placement examination.

Course Description:

Vector algebra in two and three dimensions, multivariate differential and integral calculus, optimization, vector calculus including the theorems of Green, Gauss, and Stokes. Applications to economics, engineering, and all sciences, with emphasis on numerical and graphical solutions; use of graphing calculators or computers. May not be taken for credit in addition to AMS 261 or MAT 205.

Homework:

Homework will be assigned every week and posted in BlackBoard. Late assignments cannot be accepted. Homework that appears to be copied from someone else will receive a grade of 0 and may result in charges of academic dishonesty.

Midterms and Final Exam:

Midterm 1: February 23rd, 12pm-12:53pm, in Harriman Hall 137

Midterm 2: April 9th, 12pm-12:53pm, in Harriman Hall 137

Final Exam: May 10th 5:30pm-8:00pm

Course Grading:

20% Midterm 1
20% Midterm 2
40% Final Exam
20% Homework

Academic Integrity:

Each student must pursue his or her goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Instructors are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, see the academic judiciary web site at

<http://www.stonybrook.edu/cinncms/academic-integrity/index.html>