

MA 36200 Spring 2018: Topics in Vector Calculus

Instructor:

Iryna Egorova

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Course Information:

Class time:

MWF 9:30 - 10:20am (Section 11)

MWF 12:30 - 01:20am (Section 21)

Class location: REC 123

Office Hours:

Monday 11:00- 12:00am;

Wednesday 2:30-4:00pm;

by appointment in Math 708

Course Webpage:

<http://www.math.purdue.edu/~iegorova>

Textbook:

Vector Calculus by Jerrold E. Marsden and Antony Tromba, **6th Edition**, on reserve in the math library.

Course Description:

This introductory course will cover the basics of vector calculus, from Cartesian coordinates to Stokes Theorem. The course objectives are for you to understand the concepts and become adept in applying vector calculus. We will cover most of the textbook.

Homework:

Each homework will be assigned to cover the material corresponding to two or three preceding lectures. Homework must be readable and must be stapled. Illegible scribbles will receive no credit from the grader. You are encouraged to attempt all the questions and discuss with your classmates. However, the write-up must be of your own.

The homework will be collected every Wednesday in class, unless otherwise announced. Any hand-written homework slipped into the instructor's office or mailbox will be regarded as late homework. **Late homework will not be accepted.** Lowest two scores of homework will be dropped in the final grading. Exceptions may be considered for either a well justified and documented reason with prior notifications or an emergency.

Exams:

There will be two evening midterm exams: 02/13, 2018 and 04/03, 2018 at 6.30p – 7.30p.

Makeups may be given in extraordinary instances, but only for documented reasons with prior notifications. The Final Exam will be given during the Final Exam Week. The location and date of the final will be announced later. No study materials are allowed at the exams or quizzes (closed book, closed notes). Bring your Purdue ID to all exams.

Grading policy:

Your course grade will be determined using the following distribution:

Homework	15%
Quizzes	10%
Midterm I	20%
Midterm II	20%
Final Exam	35%

Statement for Students with Disabilities

If you have been certified by the Disability Resource Center (DRC) as eligible for academic adjustments on exams or quizzes see <http://www.math.purdue.edu/ada> for exam and quiz procedures for your mathematics course or go to MATH 242 for paper copies. In the event that you are waiting to be certified by the Disability Resource Center we encourage you to review our procedures prior to being certified. For all in- class accommodations please see your instructors outside class hours before or after class or during office hours to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible.

Classroom Safety

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Check course and class web pages for such info.