

Math 2163: Calculus III

Section 011

TR 2:00 – 3:15, Stout 044

Instructor: Jeff Mermin
office: 414 MSCS
email: mermin@math.okstate.edu
Course web page: <http://www.math.okstate.edu/~mermin/2163/>
Webassign: <http://www.webassign.net/login.html>
Desire2Learn: <https://oc.okstate.edu> (then log in and find our course).

Office Hours TBA or by appointment.

Subject matter This course deals with vector arithmetic and vector-valued functions, and extends calculus and analytic geometry to three-dimensional space.

Relationship to other courses Math 2144 and 2153 (Calculus I and II) are prerequisites for this course. This is the last course in the calculus sequence. Most advanced math classes are available after Math 2163.

Textbook *Calculus: Early Transcendentals* (Second edition) by Jon Rogawski.

Grading Your course grade will be out of 1000 points, assigned as follows:

- 150 Webassign Homework
- 150 Classwork, quizzes, and major written assignments
- 150 Midterm, Thursday, Sep. 17
- 150 Midterm, Thursday, Oct. 15
- 150 Midterm, Thursday, Nov. 19
- 250 Final, Tuesday, Dec. 8, 2:00 – 3:50 PM.

A total score of 900 will guarantee you an A, an 800 will guarantee a B, etc.

Quizzes 15-minute quizzes will be given many Thursdays. They will be open-book and open-notes.

If there are five or more quizzes, I will drop your lowest quiz grade. If there are nine or more, I will count only your eight highest quiz grades.

WebAssign Homework You should self-enroll in WebAssign; you will need the class code

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There will be homework due on WebAssign almost every class day. Typically these assignments will be due the evening of the meeting after their material is discussed; however, you will find it much easier to succeed if you start them as early as possible.

Most problems will offer you five attempts, and will give you full credit for a correct answer on the first or second attempt, with increasing deductions for each subsequent error.

WebAssign grades are subject to a curve at the end of the year. Historically, it has been rare for this curve to affect any student's grade by more than ten points in either direction.

Classwork and Written Homework Every Thursday, I will collect something to be graded by the class grader (if one exists) or by me. This could be a quiz, an in-class worksheet, one of that week's WebAssign assignments, or a separate assignment passed out the previous week. The written homework is chosen not only to help you master the material, but also to help you learn to communicate your understanding in a clear, logical way. Thus, your grades will be primarily determined by how easily the grader can follow your reasoning, rather than by the numerical correctness of your answers.

For some ideas about what I am looking for in written homework, see "Instructions for the grader" and "Guidelines for good mathematical writing" on the course web page.

Late policy Because the course builds on itself, it is important that you not fall behind. Thus late homework will not be accepted. However, I will allow you ten “grace days” on written homework in case of illness or other circumstances.

Collaboration Mathematics is a collaborative venture; you are encouraged to work together with friends and/or classmates on homework, including written homework. However, you must **write up your work yourself** and **acknowledge anyone who helped you**. For your own protection, you should insist that both you and your collaborators truly understand everything you claim.

Illness policy If you cannot attend one of the exams due to illness or another emergency, you must provide documentation to arrange a make-up.

If you cannot attend a regular class due to illness or another emergency, no documentation is necessary. If you aren’t sure whether or not you’re too ill to attend class, please see a doctor. If you need to miss *several* classes, let me know as soon as possible, so that I may plan how to accommodate the situation.

Calculators Calculators will be neither necessary nor allowed on exams. You are welcome to use calculators on any other work for the course, though I strongly recommend that you practice without them.

Where to go for help You have many resources for this course. I hope you will bring questions to me in office hours. Most students find it helpful to talk to classmates and work problems together. Finally, there is free tutoring available in the MLSC (See <https://www.math.okstate.edu/mlsc> for details).

Academic integrity Don’t cheat, or help other students cheat. Please read my “rules for written assignments” at

<http://www.math.okstate.edu/~mermin/2163/airules.pdf>.

(This document is part of the course syllabus.)

If, after reading this, you aren’t sure whether or not something is allowed, ask me before you try it.

Don’t violate academic integrity in any other way, either. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned according to the OSU academic integrity process. If you have further questions, contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627, <http://academicintegrity.okstate.edu>.

Links and attachments The course syllabus consists of three documents; please read them all.

This course information sheet may be found at

<http://www.math.okstate.edu/~mermin/2163/courseinfo.pdf>

The document on academic integrity is available at

<http://www.math.okstate.edu/~mermin/2163/airules.pdf>

Finally, the OSU syllabus attachment is on the web at

[https://academicaffairs.okstate.edu/sites/default/files/Fall 2015 Syllabus.pdf](https://academicaffairs.okstate.edu/sites/default/files/Fall%202015%20Syllabus.pdf)

This has a lot of important information, including instructions about disability accommodations. Please contact me privately during the first week of the course if you need accommodations as the result of a disability.