

SYLLABUS

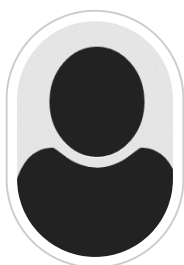


COURSE INFORMATION

- **Synchronous Classes via Zoom:**
 - MW 3:35-4:25; TR 3:35-4:50
- **Credit Hours:** 5 hours



COURSE INSTRUCTOR



- Steven Bellenot
- bellenot@math.fsu.edu
- (850) 644-2202 (front desk phone)
- Remote Land Line (850) 385-2753
- 002B LOV
- Office Hours MW2-3



COURSE DESCRIPTION

Calculus III

This course covers functions of several variables and their graphical representations; vectors; partial derivatives and gradients; optimization; multiple integration; polar, spherical, and cylindrical coordinate systems; curves; vector fields; line integrals; flux integrals; divergence theorem and Stokes' theorem.



ELIGIBILITY

Calculus III

You must have the course prerequisites listed below and must never have completed with a grade of C- or better a course for which MAC 2313 is a (stated or implied) prerequisite. It is the student's

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eligibility.

PREREQUISITES: You must have passed MAC 2312 (Calculus II) with a grade of C- or better or have satisfactorily completed at least eight hours of calculus courses equivalent to MAC 2311 and MAC 2312.



LEARNING OBJECTIVES

The purpose of this course is to introduce students to more advanced topics in the calculus and to demonstrate its usefulness in selected applications. The material in this course should be mastered before the student proceeds to courses for which it is a prerequisite.



COURSE CONTENT

MAC2313 covers chapter 12 - 16 of the text.



COURSE MATERIALS

The text for FSU Calculus is James Stewart's *Calculus: Early Transcendentals*, 8th edition. More information about the text and WebAssign, including purchase options, is at the link <https://www.math.fsu.edu/~pkirby/calctext/> .(<https://www.math.fsu.edu/~pkirby/calctext/>)

Additional materials for this course include:

- Files in the mildly protected (user=math password=rocks) [lessons directory](https://www.math.fsu.edu/~bellenot/class/f20/cal3/lessons/) (<https://www.math.fsu.edu/~bellenot/class/f20/cal3/lessons/>)
- A wealth of old calculus 1, 2, and 3 tests, projects are archived at [Bellenot's Class Archive](https://www.math.fsu.edu/~bellenot/class/) (<https://www.math.fsu.edu/~bellenot/class/>)
- WebAssign access will not be required for this section of MAC2313.



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GRADING POLICY

HonorLock will be used for all tests.

There will be six mini tests, daily homework, discussions, presentations, and perhaps a quiz, and a final exam. There will also be a group project. Numerical course grades will be determined according to the formula $(6U+Q+3F)/10$ where U = unit mini test average, Q = quiz, homework and etc grade, and F = final exam.

The group project cannot hurt your grade, it can only replace a lower mini test grade. However, a problem inspired from the project will be part of the final.

Test dates are every other Wednesday: Aug 26 (diagnostic test), Sep 9 (MT1), Sep 23 (MT2), Oct 7 (MT3), Oct 21 (MT4), Nov 4 (MT5), Nov 18 (MT6) and there is a comprehensive final.

The final in this class is 5:30-7:30pm Monday Dec 7, 2020.

The following grading standards will be used in this class:

A > 93 > A- > 90 > B+ > 87 > B > 83 > B- > 80 > C+ > 77 > C > 73 > C- > 70 > D > 63 > D- > 60 > F

A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.



COURSE POLICIES

POLICY FOR MISSED TESTS AND QUIZZES

Students must provide advance notice of absences (when possible) as well as relevant documentation regarding absences to the instructor as soon as possible following the illness or event that led to an absence. Regardless of whether an absence is excused or unexcused, the student is responsible for making up all work that is missed.

See the "University Attendance Policy" below for acceptable reasons for an excused absence.

A medical excuse must state explicitly that the holder should be excused from class. Note that students will not be given excused absences to attend family functions or other non-academic events. Official University activities include official events at which the student is representing the University, such as athletic competitions and academic activities sponsored by a student's academic department or college.

Registered Student Organizations (RSO's) and Greek Life activities are not considered official university activities.

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, at the instructor's discretion, a make up exam will be arranged.

Students that do not contact the instructor to provide documentation or do not arrange for a makeup exam within a week of returning from an absence will not be excused. If a student has an unexcused absence from the scheduled makeup exam, no additional makeup exam will be scheduled, and the exam will be treated as an unexcused absence. No calculators of any kind are permitted on calculus make up exams given at the testing center. With instructor permission, an unexcused absence from one unit test may have the final exam minus a 20 point penalty applied for that test grade. If a quiz absence is excused, then the next unit test grade will be used for the missing grade. An unexcused absence from a quiz will result in a grade of zero. Students must bring FSU ID cards to all exams.

POLICY FOR HOMEWORK

Homework Rules:

Your OWN work, written in clear English. Neatly typed or written in ink on one side of standard 8.5 by 11 paper in a single column. Multiple pages must be collected into a single PDF. (The free smart phone APP genusScan is recommended.) Discussion about the homework problems with other students or the professor is permissible and even encouraged, but the final output needs to be uniquely yours and not obtained by copying from another's solution.

Help:

There is a wealth of information on our web pages, be sure to check them before emailing me. (Please no html format email, send text only. For files with graphics I will look at PDF files only.)

Project Rules:

Our group project, ***Back in the Saddle Again***, uses the same rules as homework. Each group will turn in one project for the whole group. Each group member needs to turn in a group evaluation of the other members before getting the group grade. There are bonus points available for wow value and pride of ownership.

Discussion Rules:

This is the first time I've tried using discussions. Each of you will be the guest host for a particular Utah video corresponding to a section of the text. We will also have a second student in the mix to generate a reply. This is subject to change.



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TECHNOLOGY REQUIREMENTS

Course content is accessible through Canvas. Students will need to be able to view videos, write and upload assignments, post to discussion boards, and take assessments. Students should have access to high-speed internet and updated software. Mobile devices may be used to view course content, upload assignments, and take assessments as determined by the instructor. To view the most current technology requirements, visit the [FSU Canvas support site](http://distance.fsu.edu/canvas/) [\(http://distance.fsu.edu/canvas/\)](http://distance.fsu.edu/canvas/).



CANVAS SUPPORT

Need help with Canvas? Contact FSU Canvas Support:

✉ **Email:** help@campus.fsu.edu [\(mailto:help@campus.fsu.edu\)](mailto:help@campus.fsu.edu)

📞 **Phone:** (850) 644-8004

🌐 **Website:** distance.fsu.edu/canvas [\(http://distance.fsu.edu/canvas/\)](http://distance.fsu.edu/canvas/)

🕒 **Hours:** 8am to 5pm, Monday - Friday



UNIVERSITY POLICIES

UNIVERSITY ATTENDANCE POLICY

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

ACADEMIC HONOR POLICY

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and... [to] strive for personal and institutional integrity at Florida State

University." (For more details see the [FSU Academic Honor Policy and procedures for addressing alleged violations](http://fda.fsu.edu/academic-resources/academic-integrity-and-addressing-alleged-violations) (<http://fda.fsu.edu/academic-resources/academic-integrity-and-addressing-alleged-violations>).

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AMERICANS WITH DISABILITIES ACT

Students with disabilities needing academic accommodation should (1) register with and provide documentation to the Student Disability Resource Center and (2) bring a letter to the instructor indicating the need for accommodation and what type. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

[Student Disability Resource Center \(Tallahassee Campus\)](https://dos.fsu.edu/sdrc/) (<https://dos.fsu.edu/sdrc/>)

874 Traditions Way

108 Student Services Building

Florida State University

Tallahassee, FL 32306-4167

(850) 644-9566 (voice)

(850) 644-8504 (TDD)

Email: sdrc@admin.fsu.edu (<mailto:sdrc@admin.fsu.edu>)

[Students Disability Resource Center \(Panama City Campus\)](https://pc.fsu.edu/students/student-disability-services/)

(<https://pc.fsu.edu/students/student-disability-services/>)

Dr. Kimberly Leath

Office of Student Affairs

2nd Floor Barron Building (Room 215)

Email: kleath@fsu.edu (<mailto:kleath@fsu.edu>) or sds@pc.fsu.edu (<mailto:sds@pc.fsu.edu>)

(850) 770-2172 (office)

(866) 693-7872 (toll free)

FREE TUTORING FROM FSU (TALLAHASSEE CAMPUS)









On-campus tutoring and writing assistance are available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of on-campus tutoring options - see the [Academic Center for Excellence \(ACE\) Tutoring Services' website](http://ace.fsu.edu/tutoring) (<http://ace.fsu.edu/tutoring>) or contact tutor@fsu.edu (<mailto:tutor@fsu.edu>). High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

SYLLABUS CHANGE POLICY

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course and is subject to change with advance notice."

Course Summary:

Date	Details
	 <u>Final Exam - *Determine Date and time from registrar's calendar*</u> (https://canvas.fsu.edu/courses/137660/assignments/862408)
	 <u>Mini-Test1</u> (https://canvas.fsu.edu/courses/137660/assignments/879085)
	 <u>Test 1</u> (https://canvas.fsu.edu/courses/137660/assignments/862409)
	 <u>Test 2</u> (https://canvas.fsu.edu/courses/137660/assignments/862410)
	 <u>Test 3</u> (https://canvas.fsu.edu/courses/137660/assignments/862411)
	 <u>Test 4</u> (https://canvas.fsu.edu/courses/137660/assignments/862412)
	 <u>Test0</u> (https://canvas.fsu.edu/courses/137660/assignments/854840)
	 <u>WebAssign Information and Link</u> (https://canvas.fsu.edu/courses/137660/assignments/862413)