

COURSE SYLLABUS - FALL 2017

MATH 265
CALCULUS III (Multivariable Calculus)
(4 credits)

Section F1: 10:00am-10:50am MTRF, 190 Carver Hall

Final Exam: TBA (There will be a common final exam during finals week Dec. 11 - 15. Details will be announced midway through the semester.)

Instructor: Dr. Jason McCullough

Office: 452 Carver Hall

Email: jmccullo@iastate.edu (Best way to contact me.)

Phone: 515-294-8150

Walk-in Office Hours: 11:00 - 11:50am MR, 3:00 - 3:50pm T, 9:00 - 9:50am F or by appointment

Brief description of goals and objectives: The objective of this course is to extend tools and techniques of calculus to settings where the input or output can have several variables. A comprehensive list of objectives is available online:

http://orion.math.iastate.edu/dept/calculus/obj/objectives_Calc_III.html

Prerequisites: Minimum of C- in MATH 166 or MATH 166H (Calculus II)

Textbook:

Calculus, Early Transcendentals (12th Edition) by Weir, Hass, Thomas

Older/newer editions of the book may serve well too, but use at your own risk.

Topics to be covered: Math 265 will cover the majority of chapters 12-16. (See tentative schedule.) A summary of the course topics is available here:

<https://orion.math.iastate.edu/butler/calculus/reviews/265F15RS.pdf>.

Study habits: This course does require considerable work. You should be devoting time to reading the book, thinking about the ideas, concepts, and techniques, talking with some of your classmates about them, doing all the assigned homework problems.

Online resources: The class has a page in Blackboard with linked MyMathLab homework site. The Blackboard site contains grades, the syllabus, and course announcements. Login to Blackboard from the main iastate.edu webpage with your NetID. For problems related to MyMathLab logins, see Carly Harryman at one of the following times:

Tuesday, August 22, 9:30am - 3:30pm - 385 Carver Hall

Wednesday, August 23, 10:30am - 3:30pm - 249 Bessey Hall

Thursday, August 24, 10:00am - 3:30pm - 053 Physics Hall

Homework assignments: Homework will be done online with MyMathLab which will automatically enroll students and can be accessed via BlackBoard. Access to the system can be purchased at the bookstore.

There will be eleven homework assignments (each consisting of several problem sets - one per section). Homework assignments will be due on Wednesdays by 11:59 PM beginning the third week, up to and including dead week. Homework problems may be attempted as often as desired and the four lowest homework problem set scores will be dropped. There will be no makeup homeworks available (including for computer issues).

Exams: There will be three in-class tests, and a common departmental final for the course.

The departmental final is during finals week, the time and location will be announced about halfway through the semester. Do not make any travel plans that cannot be changed before the exam time has been announced. The final will be comprehensive.

All exams are closed book and closed notes.

Exams must be taken during the scheduled times. Makeup exams will only be given for approved reasons as outlined in departmental policies:

<https://dept.math.iastate.edu/syllabus-and-class-policies/>.

Practice Exams: Final exams from previous semesters can be found here:

<https://orion.math.iastate.edu/dept/calculus/>.

Many more practice final exams and midterms can be found here:

<https://orion.math.iastate.edu/butler/calculus/265exams.html>.

Calculators: All quiz and test questions are written so they can be done without the aid of a calculator; so no calculators will be allowed.

Supplemental Instruction: Supplemental Instruction (SI) is available for this course. This does not replace attending class, reading the book, and other course work. Information about SI is available online: <http://www.asc.dso.iastate.edu/supplemental/>.

Quizzes: There will be occasional in-class quizzes or “ticket-out-the-door” problems. These will not affect your grade and are meant for your feedback.

Grading policy: Your final grade will be 20% for homework, 15% for each of the three midterms and 35% for the final exam. An overall score of 90% or better guarantees at least an A-; 80% or better guarantees at least a B-; 70% or better guarantees at least a C-; 60% or better guarantees at least a D. These thresholds might be lowered at the end of the semester. No individual exams will be curved.

Any issues regarding grading for tests or quizzes must be addressed within two weeks of the date it was administered. After that time no score changes will be allowed.

Classroom etiquette: Communication devices must remain switched off and put away during the class periods and final. Laptops or iPads are allowed only for textbook reading or taking notes.

Attendance: Although attendance will not be taken, I expect you to make every effort to attend daily, arrive on time and stay for the duration of class. Office hours are for those of you who need help beyond that given in the class; they are not substitutes for class.

Academic dishonesty: The class will follow Iowa State University's policy on academic dishonesty. Anyone suspected of academic dishonesty will be reported to the Dean of Students Office. Cheating can result in a failing grade on the assignment, exam, and/or class. <http://www.dso.iastate.edu/ja/academic/misconduct.html>.

Disability accommodation: Iowa State University complies with the Americans with Disabilities Act and Sect 504 of the Rehabilitation Act. If you have a disability and anticipate needing accommodations in this course, please contact instructor to set up a meeting within the first two weeks of the semester. Before meeting with the instructor, you will need to obtain a SAAR form with recommendations for accommodations from the Disability Resources Office, located in Room 1076 on the main floor of the Student Services Building. Their telephone number is 515-294-7220 or email disabilityresources@iastate.edu. Retroactive requests for accommodations will not be honored.

Dead week: There will be two homework problem sets due Wednesday of the dead week.

Tentative Schedule:

Week (week of)	Monday	Tuesday	Thursday	Friday
1 (Aug 21)	Review	12.1	12.2	12.3
2 (Aug 28)	12.4	12.5	12.6	12.6
3 (Sep 4)	Labor Day	13.1	13.2	13.3
4 (Sep 11)	13.4	13.4	13.5	13.5
5 (Sep 18)	13.6	13.6	Review	Exam 1
6 (Sep 25)	14.1	14.2	14.3	14.3
7 (Oct 2)	14.4	14.4	14.5	14.6
8 (Oct 9)	14.7	14.7	14.8	14.8
9 (Oct 16)	14.9	14.9	Review	Exam 2
10 (Oct 23)	15.1	15.2	15.3	15.4
11 (Oct 30)	15.5	15.6	15.7	15.7
12 (Nov 6)	15.8	16.1	16.2	16.3
13 (Nov 13)	16.4	16.4	16.5	16.6
14 (Nov 20)	Thanksgiving	Week	No	Class
15 (Nov 27)	16.7	16.7	Review	Exam 3
16 (Dec 4)	16.8	16.8	Review	Review
17 (Dec 11)	Finals	Week	Exam Time	TBA