

Course Overview

FILL ME IN

Essential Information

Professor David Maxwell
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Text **Calculus** (standard or 'early transcendentals') or
Multivariable Calculus, *J. Stewart*, 8th edition.

Prerequisites

The course prerequisites are a grade of 'C' or better in MATH252 or a 4/5 on the Calculus BC AP test.

Class Time

There will be four one-hour lecture classes each week. Although I'll be doing a lot of the talking during lectures, you are strongly encouraged to stop me at any point to ask questions. I'll try to ask you questions along the way as well. Lectures are more interesting and relevant when you participate actively.

Lecture Times

MWF 11:45–12:45 Duckering 342
T 11:30–12:30 Duckering 342

Covid 19

We are holding classes in unprecedented times.

- We need to be especially kind and patient with one another.
- Unforeseen circumstances are going to occur. I will try to ensure that the class is taught in a way so that if you must miss a class due to illness or other reasons, you will have tools to make up the missed class. Please see the section below on Zoom and recordings.
- If circumstances routinely impact your ability to participate in the course, please get in touch with me so we can determine a best plan of action.
- Course practices or this syllabus may need to be adjusted as the semester progresses. I will announce any changes as needed; syllabus updates will be posted on the web site.
- Official university information can be found at <https://sites.google.com/alaska.edu/coronavirus/uaf?authuser=0>

Student Learning Outcomes

Students will:

- FILL ME IN

Office Hours

My office hours will be posted on my web site and outside my office door. You are very welcome to schedule an appointment outside of my regular office hours; please send me an email and we will arrange a time.

Math Lab

The department offers tutoring services through the Math Lab. Please see <https://uaf.edu/dms/mathlab/> for more information; the operation of the Math Lab will likely be different from past years due to COVID19.

Homework

Homework in this class is completed using WebAssign and can be accessed via Canvas. There is an assignment roughly every class period and due two day week days after the problems have been posted. You should be monitoring WebAssign constantly.

Quizzes

There will be a 20 minute quiz on Wednesdays covering material on recent homework. On weeks when there is a midterm, there will be no quiz.

Midterms

There will be two in-class midterm exams. Each midterms will only cover material seen since the previous midterm (i.e. they will not be cumulative). The tentative dates for the midterms are:

Wednesday

Wednesday

Final Exam

There will be a final exam held Friday, December 10, 10:15 a.m. - 12:15 p.m. The final will be comprehensive with an emphasis on material learned after the last midterm.

Evaluation

Course grades will be determined as follows:

WebAssign Homework	15%
Quizzes	15%
Midterm 1	20%
Midterm 2	20%
Final	30%

Letter grades will be assigned according to the following cutoff scores. This scale is a guarantee; I also reserve the right to lower the thresholds.

A+	97%	C+	77%	F	≤ 59
A	93%	C	73%		
A-	90%	C-	70%		
B+	87%	D+	67%		
B	83%	D	63%		
B-	80%	D-	60%		

Tentative Schedule

Week	Topics and Events
8/23 – 8/27	Sections 12.1, 12.2, 12.3, 12.4
8/30 – 9/3	Sections 12.5, 12.6
9/6 – 9/10	Sections 13.1, 13.2, 13.3 Monday: Labor Day
9/13 – 9/17	Sections 13.3, 13.4
9/20 – 9/24	Sections 14.1, 14.2, 14.3 First Midterm: Chapters 12–13
9/27 – 10/1	Sections 14.4, 14.5
10/4 – 10/8	Sections 14.6, 14.7, 14.8
10/11 – 10/15	Sections 15.1, 15.2, 15.3
10/18 – 10/22	15.4, 15.5
10/25 – 10/29	15.6, 15.7, 15.8 Second Midterm: Chapter 14, part of 15 Friday: Last day to withdraw with a 'W'
11/1 – 11/5	15.9, 16.1, 16.2
11/8 – 11/12	16.3, 16.4, 16.5
11/15 – 11/19	16.6, 16.7
11/22 – 11/26	16.8 Thursday: Thanksgiving
11/29 – 12/3	16.9 Friday: Last day of class

Rules and Policies

Attendance

Attend every class. Although attendance is not directly part of your grade, it is very easy in a math class to fall behind after skipping even one class.

Collaboration

You are encouraged to work together in solving the written homework problems. But each student must write up his or her solutions independently. Cloning (copying another student's homework) is not permitted and is a form of Academic Dishonesty (see below). If you receive significant help solving a problem, it is customary to make a note in your homework to give the person who helped you credit.

With respect to the online problems, you are also welcome to discuss these problems with your fellow students. But you should be aware that the online problems are randomized so that each student gets a slightly different problem. Hence your solutions will all be a little different.

Late Homework**Exam Aids**

No aids are allowed on quizzes. Exams will allow a one page sheet of notes. No books are allowed. A calculator policy will be announced prior to the exams.

Makeup Exams

Quizzes cannot be made up, but the lowest quiz score will be dropped.

You can make up an exam if certain extenuating circumstances prevent you from taking it and if you inform me in advance. Contact me as soon as possible if you are going to miss an exam.

Cell Phones

Turn off your cell phone before you come to class.

Incomplete Grade

Incomplete (I) will only be given in Computer Science, Mathematics or Statistics courses in cases where the student has completed the majority (normally all but the last three weeks) of a course with a grade of C or better, but for personal reasons beyond his/her control has been unable to complete the course during the regular term. Negligence or indifference are not acceptable reasons for the granting of an incomplete grade. (Note: this is essentially the old University policy.)

Late Withdrawals

A withdrawal after the university deadline from a Department of Mathematical Sciences course will normally be granted only in cases where the student is performing satisfactorily (i.e., C or better) in a course, but has exceptional reasons, beyond his/her control, for being unable to complete the course. These exceptional reasons should be detailed in writing to the instructor, department head and dean.

Academic Dishonesty

Academic dishonesty, including cheating and plagiarism, will not be tolerated. It is a violation of the Student Code of Conduct and will be punished according to UAF procedures.

Official UAF Syllabus Addendum

COVID-19 statement: Students should keep up-to-date on the university's policies, practices, and mandates related to COVID-19 by regularly checking this website: <https://sites.google.com/alaska.edu/coronavirus/uaf?authuser=0>

Further, students are expected to adhere to the university's policies, practices, and mandates and are subject to disciplinary actions if they do not comply.

Student protections statement: UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX). Faculty members are designated as responsible employees which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: <https://catalog.uaf.edu/academics-regulations/students-rights-responsibilities/>.

Disability services statement: I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities.

Student Academic Support:

- Speaking Center (907-474-5470, uaf-speakingcenter@alaska.edu, Gruening 507)
- Writing Center (907-474-5314, uaf-writing-center@alaska.edu, Gruening 8th floor)
- UAF Math Services, uafmathstatlab@gmail.com, Chapman Building (for math fee paying students only)
- Developmental Math Lab, Gruening 406
- The Debbie Moses Learning Center at CTC (907-455-2860, 604 Barnette St, Room 120, <https://www.ctc.uaf.edu/student-services/student-success-center/>)
- For more information and resources, please see the Academic Advising Resource List (https://www.uaf.edu/advising/lr/SKM_364e19011717281.pdf)

Student Resources:

- Disability Services (907-474-5655, uaf-disability-services@alaska.edu, Whitaker 208)
- Student Health & Counseling [6 free counseling sessions] (907-474-7043, <https://www.uaf.edu/chc/appointments.php>, Whitaker 203)
- Center for Student Rights and Responsibilities (907-474-7317, uaf-studentrights@alaska.edu, Eielson 110)
- Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, asuaf.office@alaska.edu, Wood Center 119)

Nondiscrimination statement: The University of Alaska is an affirmative action/equal opportunity employer and educational institution. The University of Alaska does not discriminate on the basis of race, religion, color, national origin, citizenship, age, sex, physical or mental disability, status as a protected veteran, marital status, changes in marital status, pregnancy, childbirth or related medical conditions, parenthood, sexual orientation, gender identity, political affiliation or belief, genetic information, or other legally

protected status. The University's commitment to nondiscrimination, including against sex discrimination, applies to students, employees, and applicants for admission and employment. Contact information, applicable laws, and complaint procedures are included on UA's statement of nondiscrimination available at www.alaska.edu/nondiscrimination. For more information, contact:

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