

MATH 2400

Syllabus Spring 2017

This document contains all information pertinent to Math 2400 for Spring 2017. By signing up for this course you agree to abide by the regulations set henceforth including but not limited to the presence during scheduled midterms and the final, and proper conduct in class. Any emails to the coordinator, instructors and teaching assistants asking a question that is already addressed in this document should not expect an answer.

Course Description

Continuation of MATH 2300. Topics include vectors, three-dimensional analytic geometry, partial differentiation and multiple integrals, and vector analysis.

Textbook

Calculus, Concepts and Contexts, by James Stewart; Fourth Edition, Brooks/Cole, 2010.

You can buy the hard copy plus ebook plus multi-term access to on-line homework from the bookstore. You can also buy directly from the publisher. You can buy the textbook from other vendors, but make sure it includes access to on-line homework (EWA).

Class Website

<http://math.colorado.edu/~macz9339/math2400.html>

Prerequisites

MATH 2300 or APPM 1360 (minimum grade C-). Credit not granted for this course and APPM 2350.

Instructors, lecture times and locations

Section 1 ECCR 1B55 9:00 AM - 9:50 AM MTWF Blakestad, Clifford
Section 2 ECCR 1B55 10:00 AM - 10:50 AM MTWF Klotz, Taylor
Section 3 ECCR 1B55 11:00 AM - 11:50 AM MTWF Belcher, Jonathan
Section 4 ECCR 1B55 12:00 PM - 12:50 PM MTWF Frinak, Joshua
Section 5 ECCR 1B55 1:00 PM - 1:50 PM MTWF Czubak, Magda
Section 6 ECCR 1B55 2:00 PM - 2:50 PM MTWF Lessard, Paul
Section 7 MUEN E118 3:00 PM - 3:50 PM MTWF Berg, Kevin
Section 8 MUEN E118 8:00 AM - 8:50 AM MTWF Weinell, Steven
Section 9 MUEN E118 4:00 PM - 4:50 PM MTWF Ly, Megan

Coordinator

Prof. Magdalena Czubak
email: magda.czubak@colorado.edu
office: Math 319
office hours: TBA

Teaching Assistants

Section 1 Washabaugh, Pearce Clifford
Section 2 Rosenbaum, Ryan
Section 3 Rosenbaum, Ryan
Section 4 Washabaugh, Pearce Clifford
Section 5 Healy, Andrew Scott
Section 6 Rosenbaum, Ryan
Section 7 Healy, Andrew Scott
Section 8 Washabaugh, Pearce Clifford
Section 9 Healy, Andrew Scott

Homework

Your success in this course largely depends on the commitment you make to the HW assignments. This is your opportunity to learn. Start early and ask questions.

You are encouraged to talk to your classmates about the homework AFTER you thought about the problem on your own.

There will be two kinds of homework: Webassign and written HW.

Webassign

You need a Webassign account, which you can purchase either together with the book, or [HERE](#).

Webassign HW is due by 11:59pm a week from the day of the scheduled lecture listed in this syllabus unless otherwise noted. The exceptions so far are

- Section 10.2 due Sunday 2/12 at 11:59pm.
- Section 12.1 due Wednesday 3/15 at 11:59pm.
- Section 13.2b due Sunday 4/16 at 11:59pm.
- Sections 13.8a and 13.8b due Friday 5/5 at 11:59pm.

10% of Webassign assignments will be dropped. Problems with webassign: contact Jeff at math-help@colorado.edu

Suggestions for doing Webassign assignments: start the day of the lecture. If you are not solving the problem correctly, check your work for typos/algebraic mistakes, read over the statement of the problem to make sure you are doing what the problem is asking. Then look at the online help, and lecture notes. If you are still having problems see your instructor, TA or someone at MARC (“Help lab”) within the next couple of days. After discussing with someone, try again. The goal here is to start early to give yourself enough time to understand the subtleties.

Written HW

The list of written HW problems can be found on the class website. HW should be done in such a way as to be easily accessible during recitation sections. You may try to have a separate HW section in your notebook or just a separate HW notebook. Again, you want to *understand* how to do all the problems. Try by yourself, and if you get stuck, talk to others. If you talk to other students, you should write down the solution by yourself (DO NOT COPY FROM EACH OTHER—see below for Honor Code). The written HW will not be collected, but you might need the solutions during the recitation (see below for Quizzes).

Quizzes

Quizzes will be written in the recitation sections. Recitations meet on Tuesdays at the same time and place as your lecture. Quizzes will be based on lectures, HW (webassign, written HW), and sometimes

they might come directly from the written HW (i.e., you may be asked to simply copy a solution from your written HW, and less time will be given for those quizzes. Hence the recommendation of the separate hw section/notebook). With the exception of Quizzes coming directly from written HW, all quizzes will be closed book/closed notes, and no calculators of any kind will be allowed.

The two lowest scores will be dropped. One purpose of dropping the scores is to accommodate any unforeseen circumstances that can prevent you from taking a quiz. Therefore, no make-up quizzes will be given.

Exams

There will be three midterm exams scheduled outside of regular class times:

Midterm 1 2/13 from 5:15pm to 6:45pm

Midterm 2 3/13 from 5:15pm to 6:45pm

Midterm 3 4/17 from 5:15pm to 6:45pm

The locations will be announced.

There will be no make-up exams. The lowest Midterm score will be replaced with the Final Exam's score if it is to the student's advantage (provided the final is not canceled by the university).

Two missed Midterms means the course cannot be completed successfully. Whether it results in a drop, fail, or incomplete, depends on the personal circumstances. Hence if you have to miss an exam, contact your Instructor with a legitimate reason and documentation as soon as possible, but no later than within a week of the missed exam.

Bring your CU student-ID to all your exams. You may be required to show it. The exams will be closed book/closed notes, and the use of calculators, cell phones, or any type of headset during tests is strictly forbidden.

If you have any questions about the exam grades, you will have one week from the day the exam is returned to make an inquiry. After one week, no grading inquiries will be considered. However, you can always ask about the details of the correct solution.

Final

The final is mandatory and will be comprehensive. Implicit in registering for this class is your agreement that you will be present to take the final exam. The final is scheduled to occur on May 8 10:30 a.m.–1:00 p.m. The location will be determined by the university, and announced on the class website.

Course Grade

The course grade will be determined by:

Webassign 10%

Quizzes 20%

3 Midterms 45%: 15% each

Final 25%

Office Hours and further word of advice

After you spent time studying, and if there is something you do not understand in lecture, HW, or the Quiz, make a note of it, and go to Office Hours. It does not matter if it is something small. Lack of understanding of small points can accumulate and make you fall behind and/or lose confidence. Use this course to develop your mathematical maturity and ask specific questions: such as which line, example in the book, notes you do not understand. If you are not sure if you solved the problem correctly, learn to find a place in your solution which you are suspicious of. Learn not to write down things that you know

are incorrect. If you are finding yourself making guesses, this is the time to make a note, and go and talk to someone.

Lecture Schedule

Week 1: 1/18 9.1, 1/20 9.2

Week 2: 1/23 9.3, 1/25 9.4, 1/27 9.5

Week 3: 1/30 9.6, 2/1 9.7, 2/3 10.1

Week 4: 2/6 10.2, 2/8 10.3, 2/10 10.5

Week 5: 2/13 Midterm 1 up to 10.2, 2/15 11.1, 2/17 11.2

Week 6: 2/20 11.3, 2/22 11.4, 2/24 11.5

Week 7: 2/27 11.6, 3/1 11.7, 3/3 11.8

Week 8: 3/6 12.1, 3/8 12.2, 3/10 12.3

Week 9: 3/13 Midterm 2 up to 11.8, 3/15 12.4, 3/17 12.5

Week 10: 3/20 12.6, 3/22 12.7, 3/24 12.8

Spring Break 3/27-3/31

Week 11: 4/3 12.9, 4/5 13.1, 4/7 13.2a

Week 12: 4/10 13.2b, 4/12 13.3, 4/14 13.4

Week 13: 4/17 Midterm 3 up to 13.2, 4/19 13.5a, 4/21 13.5b

Week 14: 4/24 13.6a, 4/26 13.6b, 4/28 13.7

Week 15: 5/1 13.8a, 5/3 13.8b, 5/5 Catch up/Questions

Extra Help-MARC: The Mathematics Academic Resource Center (MARC) is a free service provided by the Department of Mathematics that offers students additional support for their CU Mathematics courses. The MARC employs undergraduate students that have a strong background in mathematics and care about helping others learn. We also have a strong contingent of graduate students and Learning Assistants to assist problem solving in the Fall and Spring Semesters. MARC tutors are able to assist in all lower division Mathematics courses as well as many upper division courses. LaTeX assistance is also available. Please see tutor bios for specific areas of expertise. In the MARC, you can find tutors sitting around the perimeter of the room, in front of blackboards. Don't be shy! Approach them with whatever math questions you may have. If you are interested in working for the MARC as a tutor, please contact Daniel Moritz at daniel.moritz@colorado.edu.

Location: Math 175. Hours: M-Th 9-9, F 9-4

Accommodations for Disabilities: If you qualify for accommodations because of a disability, please submit a letter from Disability Services in a timely manner to your Instructor (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at dsinfo@colorado.edu. If you have a temporary medical condition or injury, see Temporary Injuries guidelines under the Quick Links at the Disability Services website and discuss your needs with your professor.

Religious Observances: Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Whenever possible, students should notify faculty at least two weeks in advance of the conflict to request special accommodation. In this course, we are dropping two quizzes, so there will be no make up for quizzes. Similarly, since the lowest grade for the midterms can be replaced by the Final grade, there will be no make-up for the midterms. However, if you cannot be present for an exam due to religious obligations, please talk to your Instructor.

See the campus policy regarding religious observances for full details.

Classroom Behavior: Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's legal name. We will gladly honor your request to address you by an alternate name or gender pronoun. Please advise us of this preference early in the semester so that we may make appropriate changes in the records.

Students are expected to be on time for class and stay for the entire class period. A proper classroom behavior is expected including but not limited to: having a phone on silent, no talking, no speaking out of turn, no texting, browsing on your phone, etc. Finally, no laptops, iPads, etc. are allowed without the prior permission of the instructor. A failure to behave properly will result in the student being removed from the classroom and/or the course.

For more information, see the policies on classroom behavior and the student code.

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation: The University of Colorado Boulder (CU Boulder) is committed to maintaining a positive learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct, discrimination, harassment or related retaliation against or by any employee or student. CU's Sexual Misconduct Policy prohibits sexual assault, sexual exploitation, sexual harassment, intimate partner abuse (dating or domestic violence), stalking or related retaliation. CU Boulder's Discrimination and Harassment Policy prohibits discrimination, harassment or related retaliation based on race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been subject to misconduct under either policy should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127. Information about the OIEC, the above referenced policies, and the campus resources available to assist individuals regarding sexual misconduct, discrimination, harassment or related retaliation can be found at the OIEC website.

Honor Code: There will be zero tolerance for academic misconduct. All incidents of academic misconduct will be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273).

Students who are found responsible for violating the academic integrity policy will be subject to non-academic sanctions from the Honor Code Council as well as academic sanctions from the faculty member.

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the academic integrity policy of the institution. Violations of the policy may include: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access, clicker fraud, resubmission, and aiding academic dishonesty. More information can be found at honorcode.colorado.edu.