COURSE SYLLABUS

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YEAR COURSE OFFERED: 2019-2020
SEMESTER COURSE OFFERED: Fall
DEPARTMENT: Mathematics
COURSE NUMBER: 4389 (Section 17781)
NAME OF COURSE: Survey of Undergraduate Math
NAME OF INSTRUCTOR: Dr. Melahat Almus
Course website: http://math.uh.edu/~almus/4389.html
Instructor’s email: almus@math.uh.edu.
Office hours: Check CASA.
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The information contained in this class syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.
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Learning Objectives

As the course title indicates, this is a review and survey of topics in the undergraduate mathematics curriculum that are studied in other courses. The course is organized as a set of 2 to 3 week modules in calculus, linear algebra, differential equations, analysis, abstract algebra, and probability. At the end of the course, students are required to take the Major Field Test in mathematics, a national test administered in the University Testing Center. Our purpose in requiring the test is to have a national benchmark by which to evaluate our undergraduate curriculum. See the "policies" statement below for how the test affects your grade.

Prerequisites

The prerequisites for Math 4389 are

Math 3330: Abstract Algebra
Math 3331: Differential Equations
Math 3333: Intermediate Analysis
Three hours of 4000 level Mathematics courses, or consent of instructor.
You need to create an account at CASA(casa.uh.edu) to access class material and quizzes.

This is not a self-paced course. Students are expected to read course materials, watch videos and complete assignments in a timely manner. Due dates will be posted on CASA calendar.

**Text:** There is no assigned text for the course. You will be provided with pdf files of course materials.

**Reading Assignments:**

Reading assignments from the textbooks will be indicated in the course schedule (also, see the course material here: [http://math.uh.edu/~almus/4389.html](http://math.uh.edu/~almus/4389.html)). You will be expected to read the assigned chapters carefully, ahead of time and to participate in the discussions in class.

Due to the mass amount of the material we will be reviewing, it is expected that you read the course materials (online pdf files posted on CASA) outside of class and watch assigned videos.

**Quizzes:**

There will be some online quizzes throughout the semester. The quizzes will be available on CASA under the “online assignments” tab. Quizzes will close at 11:59 pm on the due date; no make ups.

There will be many in-class and take home quizzes as well. Quiz dates will be posted on the calendar at CASA.

One of the lowest in-class quiz grades will be dropped. The primary reason for this policy is to offset the impact of zero/low quiz scores due to emergencies (medical, personal, or otherwise) on a student’s final course grade. Hence, students should not expect to have an option to make up missed quizzes.

**Homework:**

Multiple Choice assignments (EMCFs - EHWs) will be turned in on CASA using the EMCF tab. These close at 11:59pm on the due date.

Written Homework will be turned in on the due date indicated on CASA. Follow the instructions on how to turn it in (given on the cover page).

**Make up policy:**

This course is a cumulative course. You as a student need to keep up with the reading, quizzes, homework assignments and exams. Students are expected to check the calendar on CASA several times a week and plan ahead so that they don’t miss assignments. We drop some assignments primarily to offset the impact of zero/low scores due to emergencies (medical, personal, or otherwise) on a student’s final course grade. Hence, students should not expect to have an option to make up missed assignments.
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Attendance:

Attendance will be taken at every lecture.

Grades:

Your average will be calculated as:

Quizzes (in-class, take home): 30%

Online Quizzes: 5%

Homework (Written and Multiple Choice): 25%

Attendance: 10%

Major Field Test (score out of 100): 30%

Your letter grade will correspond to your semester average, according to the standard scale.

All students taking this class must take the Major Field Test to be able to pass this course. If you don’t take the test, you can’t pass the course. Moreover, you are not eligible for an A unless you score at or above the national median on the MFT.

You will schedule and take the Major Field Test at the University Testing Center sometime during the last two weeks of class. You must pay the fee (around $50) for taking the test. To compensate for this expense there is no textbook for the course and all other learning materials will be supplied free. For more information on MFT, visit: https://www.ets.org/mft/about/content/mathematics

Note that I do not have a copy of the Field Test. You have to take the test at the Testing Center; I do not have any means to offer a make up for this test. If you miss it, you will have to retake the course.

COMMUNICATION

Your instructor will be sending class emails using PeopleSoft; you are responsible for checking your UH email. Per UH Policy, notices properly addressed and so sent (for example, via PeopleSoft) shall be presumed to have been received by the student. Thus, you are responsible for the content in emails sent to your UH account, regardless if your external (non-UH) email provider filters or blocks them.

When emailing your instructor, it is recommended that you use a professional email address and include the course name on the subject line so that your instructor can address your questions accordingly. Please read this link for more on communication via email: EMAIL ETIQUETTE (https://www.math.uh.edu/~tomforde/Email-Etiquette.html).
HONOR PRINCIPLE

University of Houston students are expected to adhere to the Academic Honesty Policy as described in the UH Undergraduate Catalog. “Academic dishonesty” means employing a method or technique or engaging in conduct in an academic endeavor that contravenes the standards of ethical integrity expected at the University of Houston or by a course instructor to fulfill any and all academic requirements. Academic dishonesty includes, but is not limited to, the following: Plagiarism; Cheating and Unauthorized Group Work; Fabrication, Falsification, and Misrepresentation; Stealing and Abuse of Academic Materials; Complicity in Academic Dishonesty; Academic Misconduct. Refer to UH Academic Honesty website and the UH Student Catalog for the definition of these terms and university’s policy on Academic Dishonesty. Anyone caught cheating will be reported to the department for further disciplinary actions, receive sanctions as explained on these documents, and will have an academic dishonesty record at the Provosts office. The sanctions for confirmed violations of this policy shall be commensurate with the nature of the offense and with the record of the student regarding any previous infractions. Sanctions may include, but are not limited to: a lowered grade, failure on the examination or assignment in question, failure in the course, probation, suspension, or expulsion from the University of Houston, or a combination of these. Students may not receive a W for courses in which they have been found in violation of the Academic Honesty Policy. If a W is received prior to a finding of policy violation, the student will become liable for the Academic Honesty penalty, including F grades.

Sharing answers for homework assignments (in person or by posting answers online) is considered an academic honesty violation. If you are caught sharing answers, you might be reported to the departmental hearing officer for an academic honesty violation. Students are expected to know the difference between “getting/giving HELP on a problem” and “getting/giving answers to a problem”.

The instructor reserves the right to make changes on the syllabus. Any changes will be announced in class or on the course website.

UH CAPS

Counseling and Psychological Services (CAPS) can help students who are having difficulties managing stress, adjusting to college, or feeling sad and hopeless. You can reach CAPS (www.uh.edu/caps) by calling 713-743-5454 during and after business hours for routine appointments or if you or someone you know is in crisis. No appointment is necessary for the "Let's Talk" program, a drop-in consultation service at convenient locations and hours around campus. http://www.uh.edu/caps/outreach/lets_talk.html
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CSD ACCOMMODATIONS

Academic Adjustments/Auxiliary Aids: The University of Houston System complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, pertaining to the provision of reasonable academic adjustments/auxiliary aids for students who have a disability. In accordance with Section 504 and ADA guidelines, University of Houston strives to provide reasonable academic adjustments/auxiliary aids to students who request and require them. If you believe that you have a disability requiring an academic adjustments/auxiliary aid, please visit The Center for Students with DisABILITIES (CSD) website at http://www.uh.edu/csd/ for more information.

Accommodation Forms: Students seeking academic adjustments/auxiliary aids must, in a timely manner (usually at the beginning of the semester), provide their instructor with a current Student Accommodation Form (SAF) from the CSD office before an approved accommodation can be implemented.

Details of this policy, and the corresponding responsibilities of the student are outlined in The Student Academic Adjustments/Auxiliary Aids Policy (01.D.09) document under [STEP 4: Student Submission (5.4.1 & 5.4.2), Page 6]. For more information please visit the Center for Students with Disabilities FAQs page.

Additionally, if a student is requesting a (CSD approved) testing accommodation, then the student will also complete a Request for Individualized Testing Accommodations (RITA) paper form to arrange for tests to be administered at the CSD office. CSD suggests that the student meet with their instructor during office hours and/or make an appointment to complete the RITA form to ensure confidentiality.

*Note: RITA forms must be completed at least 48 hours in advance of the original test date. Please consult your counselor ahead of time to ensure that your tests are scheduled in a timely manner. Please keep in mind that if you run over the agreed upon time limit for your exam, you will be penalized in proportion to the amount of extra time taken.