Instructor: Rebecca George, 218C PGH, bekki@math.uh.edu.

Office Hours: in 218C PGH: Mondays 1-2pm, Tuesdays 2:45-3:30pm and by appointment

Course Homepage: http://www.casa.uh.edu

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.

**LEARNING OBJECTIVES:**

The student will master the following:

- Integration Techniques and Applications
- Sequences and Series
- Polar Coordinates
- Parametric Equations

**Course Learning Materials:** The textbook, online quizzes, EMCF assignments, and additional help materials will be made available by logging into CourseWare/CASA at http://www.casa.uh.edu. These first portion of these materials are freely available for the first two weeks of class. All students must purchase a Course Access Code and enter it on CASA by the first day of the third week of class to continue accessing the course learning materials. A Course Access Code can be purchased for about $55 from the University Bookstore.

**NOTE:** THIS IS NOT A SELF-PACED COURSE. Students are expected to watch videos, attend live online meetings and complete assignments every week.

The material covered in the course is listed below:

**Chapter 7 - Applications of Integration**

- 7.1 Integration Review
- 7.2 Area
- 7.3 Volume
- 7.4 Centroids
- 7.5 Arc Length and Surface Area
- 7.6 Differential Equations and Exponential Growth/Decay
- 7.7 Improper Integrals

**Chapter 8 - Techniques of Integration**

- 8.1 Integration by Parts
- 8.2 Powers of Trigonometric Functions
- 8.3 Trigonometric Substitutions
- 8.4 Integrating Rational Functions
- 8.5 Numerical Integration

**Chapter 9 - Sequences and Series**

- 9.1 Sequences and Convergence
- 9.2 Numerical Series and Convergence
- 9.3 Tests for Convergence
Chapter 10 - Polar Coordinates and Parametric Equations
10.1 Polar Coordinates and Polar Curves
10.2 Area and Arc Length in Polar Coordinates
10.3 Parametric Equations
10.4 Derivatives for Curves Given Parametrically
10.5 Arc Length for Curves Given Parametrically
10.6 Surface Area

GRADING

Poppers: 7% of your average will come from poppers. 4% of this grade will come from popper questions given in pre-recorded videos and 3% of this grade will come from poppers given during live online meetings (starting the first week of classes). Popper questions will also be given during the live lecture and lab sessions. If you cannot attend the live sessions, videos will be posted after each session and an alternate set of popper questions will be posted. Students will need to answer popper questions by posted due dates (at least 48 hours after posting of video) under the EMCF tab on CASA.

Homework: 10% of your average will come from homework (written and EMCF). Written homework is to be submitted by scanning in your work and uploading it under Assignments on CASA. "EMCF" stands for "Electronic Multiple Choice Form". EMCF assignments are posted and answered on CASA using the EMCF tab. NO LATE WORK WILL BE ACCEPTED. I will drop one lowest homework grade at the end of the semester.

Online Quizzes: 8% of your average will come from online quizzes. There will be about two online quizzes given each week. You can attempt these quizzes up to 20 times, and the highest grade will be used for your score. You can access the quizzes by logging into CASA at http://www.casa.uh.edu. Quizzes will not reopen once they have closed. I will drop the one lowest online quiz grade at the end of the semester.

Exams: All sections of Math 1432 take common exams. Four regular exams will be given during the semester. The first exam is an online exam that will be available by the first day of class at http://www.casa.uh.edu. You have no more than two attempts for exam one. The other three exams will be given in CASA (note the test location when you register). You can access the scheduler for these exams by logging on to CASA. The scheduler will be available 2 weeks prior to the start of the exam cycle. There are no make-ups for missed exams. Your final exam grade will replace your lowest test grade if it is higher.

Final Exam: A comprehensive final exam will be given in CASA. The final exam is MANDETERORY for this class.

Exam Dates:
Test 1 (online) Due 1/26/19 at 11:59pm
Test 2 (50 minutes) 2/15 – 2/18/19
Test 3 (50 min) 3/7 – 3/9/19
Test 4 (50 min) 4/12 – 4/15/19
Final Exam (110 min) 5/1 – 5/4/19

Note: The percentage grade on the final exam can be used to replace your lowest test score.
Grading percentages:
Test 1 - 5%
Tests 2, 3, 4 - 15% each
Final exam - 25%
Poppers - 7%
Homework (written and EMCF) - 10%
Online Quizzes - 8%

90% and above - A
at least 80% and below 90% - B
at least 70% and below 80% - C
at least 60% and below 70% - D
below 60% - F

LATE ASSIGNMENT AND 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. Thus, late work or make-ups will not be accepted for any reason. The instructor reserves the right to make changes on these policies. Any changes will be announced on the course website in a timely manner.

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

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.