

Math 1432 – Spring 2019
Section 12207

Instructor: Jennifer J May

Email: jen@math.uh.edu . Please read about [email etiquette](#) prior to contacting instructor.

Office Hours: Mondays from 4 – 6 pm, PGH 218 (subject to change—see CASA for latest info)

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

Learning Objectives:

The student will be expected to master the following:

Integration Techniques and Applications
Sequences and Series
Polar Coordinates
Parametric Equations

Email Policy: In order to make sure I see class related emails, I require that students **include** “MATH 1432 Section 12207” as well as a **searchable description** of the issue in the subject line for **ALL** course-related email correspondence. This is especially important when you have a special or urgent issue or request. If you do not receive a timely response to an important email, it is your responsibility to send a follow-up email.

Course Learning Materials: The textbook, online quizzes, EMCF assignments, and additional help materials will be made available by logging into *CourseWare* at <http://www.casa.uh.edu>. The 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 *CourseWare* 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 or online via: <https://www.casa.uh.edu/bnpg>

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
- 9.4 The Power Series
- 9.5 The Taylor Series

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 and Surface Area for Curves Given Parametrically

Daily Poppers: Daily grades will be given in lecture beginning the first day of the third week of class. You need to purchase a course packet of Popper Forms for Math 1432 with your section number from the **BOOK STORE**. You must bring one of these forms to class every day beginning week 3. No other form will be accepted. Questions will be asked in lecture at random times. You will mark your answers on your form and drop the form in a box at the end of class. Your forms will not be returned. If you are caught filling out multiple popper forms, you will lose attendance credit for that day.

Lab Quizzes: 5% of your average will come from lab quizzes, which will be given during recitations beginning in week 2. Lab quiz grades are out of 10 points each.

Homework: 8% of your average will come from homework (written and EMCF). Written homework is submitted in recitation beginning week 2. "EMCF" stands for "Electronic Multiple Choice Form". EMCF assignments are answered on *CourseWare* using the EMCF tab. The EMCF assignment questions will be posted on the course calendar page on *CourseWare* at <http://www.casa.uh.edu>. Please see the course calendar page for more information. Homework grades are out of 10 points each.

Online Quizzes: There will be 1 – 3 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 *CourseWare* at <http://www.casa.uh.edu>. Quizzes will not reopen once they have closed.

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 into *CourseWare* at <http://www.casa.uh.edu>. For further information, see the PROCTORED EXAMS tab in CASA.

The exams given in CASA will consist of both multiple choice and written questions. The multiple choice questions will be machine graded. The written questions will be graded by the instructors and teaching assistants for all sections of Math 1432, and they will be returned in lab. 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 one missed test grade. If no exams are missed, the final can replace the lowest exam grade.

Final Exam: A comprehensive final exam will be given in CASA. You can access the scheduler for this exam by logging into *CourseWare* at <http://www.casa.uh.edu>. The final exam is MANDATORY for this class.

Exam Dates:

- Test 1 (online) – Due 1/26
- Test 2 (50 minutes) – Opens Feb 15, closes Feb 18
- Test 3 (50 min) – Opens March 7, closes March 9
- Test 4 (50 min) – Opens April 12, closes April 15
- Final Exam (110 min) -- Opens May 1, closes May 4 (Star Wars Day!!)

Grades:

- Test 1 – 5%
- Tests 2, 3, 4 – 15% each
- Final exam – 25%
- Lab Quizzes – 5%
- Homework (written and EMCF) – 8%
- Online Quizzes – 10%
- In-class Poppers and Attendance – 2%

Note: The percentage grade on the final exam can be used to replace your lowest test score.

GRADING SCALE

University of Houston standard grading scale will be used to determine your letter grade in this course. If x is your semester numerical score, then your grade will be:

A	$x \geq 93$	B-	$80 \leq x < 83$	D+	$67 \leq x < 70$
A-	$90 \leq x < 93$	C+	$77 \leq x < 80$	D	$63 \leq x < 67$
B+	$87 \leq x < 90$	C	$73 \leq x < 77$	D-	$60 \leq x < 63$
B	$83 \leq x < 87$	C-	$70 \leq x < 73$	F	Below 60

LATE ASSIGNMENT, MAKE-UP AND INCOMPLETE POLICIES

- 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. **In case of late enrollment or re-registration after being dropped:** No make ups will be provided for assignments missed during the “no access to the course” period due to late enrollment or being dropped. Similarly, if students lose access to CASA for not entering access code by the deadline, there will be no make ups for the assignments they missed during that period.
- The temporary grade of I (incomplete) is a conditional and temporary grade assigned when students for non-academic reasons beyond their control have not completed a relatively small part of all requirements for a course. The student must:

- be currently passing the course or have a reasonable chance of passing the course, in the judgment of the instructor;
- contact the instructor immediately regarding the reasons that prevent the student from completing the course, final assignment and/or final examination;
- initiate the request for an I grade within 90 days of the posting of the course grade;
- make arrangements with the instructor to complete the course requirements, if assigned;
- understand that the only way to have an I grade changed to a passing grade is to fulfill course requirements in accordance with the conditions specified by the instructor;
- understand that the grade of I may be changed only to another letter grade. If the student does not complete the course requirements in the time allotted (a maximum of one year) the I grade will convert to an F grade and will be noted as a lapsed incomplete on the student's transcript. An I grade once lapsed to an F grade may not be changed to a grade of W; and
- not re-enroll (re-register) for the courses in which their grade is currently recorded as an I. Even when the conditions for fulfilling the course requirements include participation in all or part of the same course in another semester, the student must not re enroll (re register) for the course.

UH CAPS Statement

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

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 (<http://www.uh.edu/provost/policies/honesty/>) 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.

STUDENT DISABILITY ACCOMMODATIONS AND SERVICES

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 \(CSD\)](http://www.uh.edu/csd/) website at <http://www.uh.edu/csd/> for more information.

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 \(CSD\)](http://www.uh.edu/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 an approved current Student Accommodation Form (paper copy or [online version](#), as appropriate) 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 Student Resources 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. **Students should bring a copy of their approved SAF form when meeting with the instructor to complete a RITA form.**

*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 allotted time indicated on your RITA form, then your exam score will be reduced 1 percentage point for each minute over.**