

MATH 1432, CALCULUS II, SPRING 2020 – SECTION 20730 (INVITATION-ONLY)

Dr. Vaughn Climenhaga

**Contact details**      *Website:* [www.math.uh.edu/~climenna/math1432.html](http://www.math.uh.edu/~climenna/math1432.html)  
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**Course times:**

- *Lectures:* MWF 9:00–9:50am, CBB 214
- *Labs:* MWF 10:00–10:50am, AH 10
- *Office hours:* Monday, Wednesday 11:00–11:50am, or by appointment (times subject to change, see website for current information)

**Textbook:** The primary text is “Calculus: Early Transcendentals”, James Stewart, eighth edition. As a supplementary text you may also wish to acquire “Calculus” by Michael Spivak, though this is not required. Lecture notes will be posted at the Blackboard website.

**Prerequisites:** Math 1431. Enrollment in this section is by departmental invitation only.

**Course Description:** We will continue to study differential and integral calculus, including integration techniques, applications of integration, differential equations, parametric curves and surfaces, polar coordinates, sequences, and series. A strong emphasis will be placed on conceptual and intuitive understanding, on clear and precise definitions and theoretical notions, and on the central role that calculus plays in the scientific world.

**Grading:** A final percentage grade will be computed and converted to a letter grade as follows:

Homework (weekly)	25%	[93, 100]	A	[80, 83]	B-	[67, 70]	D+
Exams 1–3 (in lab, dates TBA)	45%	[90, 93]	A-	[77, 80]	C+	[63, 67]	D
Final exam (Mon May 4, 8–11am)	30%	[87, 90]	B+	[73, 77]	C	[60, 63]	D-
		[83, 87]	B	[70, 73]	C-	[0, 60]	F

Recall that  $[a, b)$  means the set of all numbers  $x$  satisfying  $a \leq x < b$ .

**Attendance and homework:** You are expected to attend every lecture, and are strongly encouraged to participate by asking questions when something I say is not clear to you. I may cover some material in lectures that does not appear in the textbook, and the tests and exams will draw on all material covered in lectures and homework. There will be weekly homework assignments, due as announced in class. **Late homeworks will not be accepted.\***

**Tests and exams:** All tests and exams are closed-book, closed-notes, and no calculators are permitted. Illegible answers will be assumed to be incorrect and will receive no credit.

**If you miss a test or exam, you will receive a score of zero, and no make-up work will be given.\***

*\*Exceptions to these deadline policies may be made per the Student Academic Adjustments/Auxiliary Aids Policy for students with approved CSD accommodations, as well as for students with an official excused absence as recognized by University of Houston in accordance with federal and state law. To seek such an exception you must contact me promptly, notify me of the situation, and provide me with documentation. This must be done **before** the due date or test/exam date unless the exception is for an unforeseeable emergency. Even if we discuss the matter in person, I will also ask you to send me information and documentation by email, in order to keep a written record.*

**Drop/withdraw deadlines:** Wed., January 29 is the last day to drop a course or withdraw without receiving a grade. Thu., April 2 is the last day to drop a course or withdraw with a “W”.

**Email communications:** When the need arises to contact students individually or as a group, I will do so via the email addresses recorded in the official class list; typically this a “@uh.edu” address, unless the student has changed it to something else. I will send a test message to these addresses during the first week of class, and thereafter will assume that any email I send to these addresses has 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. Emails lost to external providers shall not be used as a justification to claim faculty are unresponsive, to appeal grades, etc. See <http://www.uh.edu/infotech/services/accounts/email/student-email/index.php> for further information about your UH email account.

If you need to contact me with a question or concern, you are always welcome to speak to me before or after class or during my office hours, or to email me using the address listed at the top of the syllabus. Please note that I am not likely to check messages on Blackboard. If you email me and do not receive a response within two working days, please resend the email. If you again do not hear from me within one more working day, it is likely that your email is not coming through and you should come to office hours or speak with me before or after class. It is your responsibility to ensure that I and your TA are aware of issues you may have with the course; failure to effectively initiate timely communication is not a valid basis for a grade grievance and cannot be used as such.

**Other policies:** No special consideration will be given for students who register for a course late; all students are responsible for meeting the course requirements and for all course content. All coursework (assignments, exams, etc.) will be graded within 10 days of when it is submitted; homework assignments will be returned in the lab section, and exams in the lecture section. If you are not present when I or the TA attempt to return a piece of coursework, we will attempt to return it at each subsequent class meeting, or you can come to my office hours and retrieve it. Any requests for reconsideration of grades on individual pieces of coursework must be made within 15 days of the **first** class meeting at which I attempt to return it to you.

If you stop coming to class, do not turn in homeworks or take exams, and do not drop, and your name appears on the final class roll, you will receive a grade of F at the end of the semester.

**Academic honesty and dishonesty:** You are expected to follow the Academic Honesty Policy in the Student Handbook; see <https://uh.edu/provost/policies-resources/honesty/>. In particular, the following are expected in this course.

- You are permitted and encouraged to work collaboratively with your classmates on homework assignments to discover and understand solutions – working together and teaching each other is one of the best ways to fully learn the material. However, the final write-up of the solutions must be in your own words.
- Academic dishonesty on exams includes but is not limited to copying work and using prohibited materials such as notes, calculators, or cell phones. Cheating on tests or exams may result in disciplinary action both in this course and at the department and college levels.

**Special needs:** Whenever possible, and in accordance with 504/ADA guidelines, the University of Houston will attempt to provide reasonable academic accommodations to students who request and require them. Please call the Center for Students with DisAbilities (CSD) at 713-743-5400 for more assistance. Do not hesitate to meet with me to discuss such concerns/needs.

**UH CAPS Statement:** Counseling and Psychological Services (CAPS) can help students who are having difficulties managing stress, adjusting to the demands of a professional program, or feeling sad and hopeless. You can reach CAPS ([www.uh.edu/caps](http://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](http://www.uh.edu/caps/outreach/lets_talk.html)