

Math 1432 Spring 2018: Course Syllabus

Professor William Ott

Office hour: Wednesday, 4 pm

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Overview. We continue our study of the calculus. 1432 focuses on integration and applications thereof, numerical techniques, sequences, series, parametrized curves, and differential equations. If time permits, we will begin a study of multivariable calculus. Emphasis will be placed on intuitive understanding, precise development of the theory, and the value of calculus in the scientific world.

Literature.

(1) Required textbook

(a) *Calculus: Early Transcendentals (Edition 8)* by James Stewart

(2) Additional resources

(a) *Calculus* by Michael Spivak

Assignments. You will be given weekly problem sets. Several randomly selected problems from each set will be graded. No late submissions will be accepted. Your lowest problem set score will be dropped when your course grade is computed.

Grading. Your course grade will be based on assignments and exams. The distribution is as follows.

Assignments	20%
Exams 1–3	17% each
Final exam	29%

Digital interfacing.

(1) Course material such as assignments, reading information, exam material, solutions, and announcements will be available here:

<http://www.math.uh.edu/~ott/>

(2) Scores on assignments and exams will be accessible via the Blackboard system.

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).