

Course Syllabus

Course: Mathematics 1041.018.

Course Title: Calculus I.

Time: Tuesdays, Thursdays 13:30–15:10.

Place: Barton B-407.

Instructor: Conrad, Bruce P.

Instructor Office: Wachman 616.

Instructor Email: bruce.conrad@temple.edu

Instructor Phone: 215-204-2896.

Office Hours: Tuesdays, Thursdays 11:40–12:30; Wednesdays 16:30–17:20. If these hours conflict with your schedule, please do not hesitate to make an appointment with me.

Prerequisites: Mathematics placement test, Math 1022 (C074) with a grade of C or better, or transfer credit for Math 1022 (C074).

Textbook: Calculus: Early Transcendentals by Jon Rogawski; 2008, First Edition, W.H. Freeman and Co.

Course Goals: To learn the concepts and techniques of differential calculus.

Topics Covered: Mathematics 1041 is a first semester calculus course that involves both theory and applications. Topics include functions, limits and continuity, differentiation of algebraic, trigonometric, exponential and logarithmic functions, curve sketching, optimization, L'Hospital's Rule, antiderivatives, and The Fundamental Theorem of Calculus.

Course Grading: Review Assignment: 2%, Quiz Average: 10%, COW (see below) 5%, Test 1: 25%, Test 2: 25%, Final Exam: 33%.

Exam Dates: Test 1: Wednesday, October 7, 5:50pm – 7:20pm (room to be announced) Test 2: Wednesday, November 18, 5:50pm – 7:20pm (room to be announced), Final exam, MONDAY, Dec. 14, 15:30–17:30 (room to be announced). NOTE: The exams take place outside of the regular class meeting time. Please make a note of the time and date of the exams; any conflicts must be reported as soon as possible.

Attendance Policy: You are allowed up to 4 unexcused absences during the semester. After that, your grade will be lowered by 1 notch, e.g., from B to B-, for every increment of 4 classes or portion thereof that you miss. To be excused from a class, I must receive an email from you with a legitimate reason, within 48 hours of the absence. Be prepared to document it on request.

Calculator Policy: Calculators are not allowed on exams or quizzes.

Quizzes/Homework: A list of homework problems from the text, and COW problems (see below) will be distributed. The homework problems will not be handed in for grading, but it is very important that you do these problems. I will ask a randomly selected student to do a problem on the board at each class meeting. A short quiz will be given every week starting with the second week of class (and excluding exam weeks); the problems will be almost the same as assigned homework problems. There may be additional weekly quizzes given during the recitation. Each quiz will consist of several problems based on the homework problems assigned that week. When computing your overall quiz average, the lowest two quiz scores for the quizzes given before Exam

2 will be dropped. No make up quizzes will be given. Missed quizzes will receive a score of zero and are to be counted among the dropped scores. The COW scores will be treated as quiz scores.

Letter Grades: 93–100 A, 90–92 A-, 87–89 B+, 83–86 B, 80–82 B-, 77–79 C+, 73–76 C, 70–72 C-, 65–69 D+, 55–64 D, 50–54 D-, 0–49 F.

Make Up Policy: No make up exams will be given except under extraordinary circumstances (a documented serious illness, death in the family or a documented car accident, for example). It is the student's responsibility to contact the instructor by email as soon as possible if such circumstances arise (so necessary arrangements can be made).

Blackboard: This course is a registered Blackboard course; you should check Blackboard regularly for announcements. You may also check your grades on tests, quizzes, etc. there.

COW: COW stands for "Calculus on the Web." To gain access to the COW, you will need to go to <http://www.math.temple.edu>, and click on the COW link found there. Be sure to log in so that you will receive credit. On your first login, you will have to go to the "password exchange." You must complete all COW assignments; don't give up on any COW exercise until the COW tells you that the answer is correct. COW assignments come with deadlines. I will grant up to two extensions—no questions asked. A 99% COW score or better gets you 5 points toward the course grade; 95–98% is worth 4 points, 90–94% is worth 3 points, 85–89% 2 points, and 80–84% gets you 1 point.

Review Assignment: TBA.

Any student who has a need for accommodation based on the impact of a disability should contact me privately to discuss the specific situation as soon as possible. Contact Disability Resources and Services at (215) 204-1280, 100 Ritter Annex, to coordinate reasonable accommodations for students with documented disabilities.

Freedom to teach and freedom to learn are inseparable facets of academic freedom. The University has adopted a policy on Student and Faculty Academic Rights and Responsibilities (Policy # 03.70.02) which can be accessed at <http://policies.temple.edu>.

Students will be charged for a course unless a withdrawal form is processed by a registration office of the University by the Drop/Add deadline date given below. For this semester, the crucial dates are as follows:

- The first day of classes is Monday, August 31.
- Labor Day is Monday, September 7.
- The last day to drop/add (tuition refund available) is Monday, September 14.
- Thanksgiving is Thursday, November 26.
- The last day to withdraw (no refund) is Monday, November 2.
- The last day of classes is Wednesday, December 9.

During the first two weeks of the fall or spring semester or summer sessions, students may withdraw from a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of summer sessions, the student may withdraw with the advisor's permission. The course will be recorded on the transcript with the instructor's notation of "W," indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses. No student may withdraw from more than five courses during the duration of his/her studies to earn a bachelor's degree. A student may not withdraw from the same course more than once. *Students who miss the final exam and do not make alternative arrangements before the grades are turned in will be graded F.*

The grade I (an “incomplete”) is reserved for extreme circumstances. It is necessary to have completed almost all of the course with a passing average and to file an *incomplete contract* specifying what is left for you to do. To be eligible for an I grade you need a good reason and you should have missed not more than 25% of the first nine weeks of classes. If approved by the Mathematics Department chair and the CST Dean’s office, the incomplete contract must include a default grade that will be used in case the I grade is not resolved within 12 months.