

Course: Mathematics 1041.017.

Course Title: Calculus I.

Time: TR 11:40-13:20.

Place: Barton B-402.

Instructor: Conrad, Bruce P.

Instructor Office: Wachman 616.

Instructor Email: bruce.conrad@temple.edu

Instructor Phone: 215-204-2896.

Course Web Page: <http://www.math.temple.edu/~vishik/spring10/1041spring10.html>

Office Hours: TR 8:30-9:20 or W 10:40-11:30 or by appointment.

Prerequisites: Mathematics placement test, Math 1022 (Precalculus) with a grade of C or better, or an equivalent transfer.

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: Your course grade will be computed according to the following scheme: Review Quiz - 2%, Exam 1 - 24%, Exam 2 - 24%, Quiz/Homework Average - 17% (it includes 1% for Quiz A and 2% for Quiz B), Final Exam - 33%.

Exam Dates: We will have Review Quiz (online), Quiz A (online), Quiz B (in class), and two common midterms: Test 1: Wednesday, February 24, from 5:50 PM to 7:20 PM (the room to be announced); Test 2: Wednesday, April 14, from 5:50 PM to 7:20 PM (the room to be announced).

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 a portion thereof that you miss. If you need to leave a class early, please inform me before the class starts; otherwise you will be marked absent for that class.

Calculator Policy: NO CALCULATORS may be used during the exams and quizzes.

Quizzes/Homework: Quizzes A and B will consist of questions on finding derivatives using rules of differentiation. Quiz A will be given on Blackboard on the week following the spring recess and its result will be counted as 1% of the grade for the course. Its purpose is to help you prepare for Quiz B which will be given in class one week later and whose result will be counted as 2% of the grade for the course. If you do better on Quiz B, your grade for Quiz A will be increased to that better grade for Quiz B. In addition, there will be a 20 minute quiz every week (when there is no midterm). Each quiz will consist of 4 problems similar to the ones assigned from the textbook. There will be no make up quizzes. The lowest two scores for the quizzes given before Exam 2, will be dropped. Homework will be regularly assigned from the textbook. It will not be collected and graded, but it will be the basis for the weekly quizzes. You will also be assigned a set of COW exercises (see below for details). Your Quiz/HW grade will be weighted 2/3 for the quizzes, 1/3 for the COW.

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

Make Up Policy: There will be NO MAKE UP exams except in the case of an emergency, like an illness or an accident. The documents confirming the emergency (from a hospital or police) must be

provided.

Blackboard: It is a registered Blackboard course. Please go there often to receive important announcements, and check your quiz, COW, and exam scores.

Common Final Exam: Final exam will be held on Thursday, May 6, from 3:30 PM to 5:30 PM.

Review Quiz: Review Quiz will be given on Blackboard in the middle of the second week. It will be based on precalculus material and its result will be counted as 2% of the grade for the course.

COW: COW stands for "Calculus on the Web." Find a link to it on the Math Department web site, <http://www.math.temple.edu> It is a system that allows you to do calculus exercises and to have them instantly checked. If your answer is wrong you can try and try again until you get it right. I don't mind helping if you are really stuck. To get credit for doing an exercise, you must log in. (The first time you do so, go to "Password Exchange." If you have an existing COW password from a previous course, you may skip the exchange and use the previous password. If you have trouble, please let me know right away. We can fix problems after class.)

COW scoring: I expect that there will be about 20 assignments, each with 10-15 exercises for you to do. These will be broken into 5 sets of 4 assignments. Each set is worth 20 "points" so a perfect COW score is 100. Your score on a given set is determined by the percentage of correct answers you obtained (I don't care if you tried many times before getting it right, you get credit just the same). Your score on a given set is 0 if you have less than 75% correct; if you have 75-90% correct it is the amount that your percentage correct exceeds 75; if you had 90-98% your score is 15 plus five-eighths of the amount that your percentage exceeds 90; and if you had more than 98% correct your score is 20 points. Each set of assignments has a deadline; when the deadline expires I will figure your score, and will not change it subsequently.

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 [here](#).

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 Tuesday, January 19.
- The last day to drop/add (tuition refund available) is Monday, February 1.
- Spring recess is the week of Monday, March 8.
- The last day to withdraw (no refund) is Monday, March 29.
- The last day of classes is Monday, May 3.

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.