

2018 Fall Course Syllabus - Mathematics 2043.011

Course: Mathematics 2043.011.

Course Title: Calculus III.

Time: TR 11:40-1:20.

Place: Wachman 207.

Instructor: Gerardo A. Mendoza.

Instructor Office: Wachman 618.

Instructor Email: gerardo.mendoza@temple.edu

Instructor Phone: 1-5053.

Course Web Page: <http://math.temple.edu/~gmendoza>

Office Hours: MW 9:00-10:30 or by appointment.

Prerequisites: A grade of C or higher in Math 1042 (0086), Calculus II, or transfer credit for Math 1042 (0086).

Textbook: James Stewart: Calculus: Early Transcendentals; 8th Edition, Cengage Learning.

Course Goals: Establish the mathematical foundations and tools of calculus in several variables needed in research and development in science and technology.

Topics Covered: General introduction to analysis and elements of linear algebra in several variables: vectors and the geometry of space; functions: continuity, partial derivatives; integration: line and multiple integrals, Green's, Stokes' and divergence theorems.

Course Grading: Two tests (26% each), quizzes (12% total) and a final exam (36%).

Exam Dates:

Test 1: Wednesday, October 3, from 5:50pm to 7:20pm;

Test 2: Wednesday, November 14, from 5:50pm to 7:20pm;

Final exam: Thursday, December 13, from 3:30pm to 5:30pm.

Quizzes: Two problems during the last 10 minutes of every class, starting the second week; in most cases, the problems will be chosen from lists I will post some days before the day of the quiz. There will be no make-up quizzes.

Calculators and cheat sheets are **not** allowed.

Exam Security Policy: Under no circumstances is the use of personal electronic devices such as phones, computers, smart watches, etc., allowed during exams. All such items must be stowed away and out of sight for the duration of the exam. Any student found with such a device during an exam will not be allowed to complete the test, will receive a score of ZERO for the test, and will be reported to the Student Code of Conduct Board. In addition, under no circumstances, will students be allowed to bring in any kind of papers for use during the exam. Should a student need extra paper during a test, the proctor will provide it. Any student found using papers that they themselves brought into the exam will not be allowed to complete the test, will receive a score of ZERO for the test, and will be reported to the Student Code of Conduct Board.

Attendance Policy: Attendance is required. Students who miss between 4 and 7 classes without an excuse will have their grades lowered by one notch (e.g., from B to B-). Those who miss 8-11 without an excuse will have their grades lowered by two notches, etc.

Make Up Policy: Make ups of exams will only be given in cases of documented emergencies (sickness, car accident, a death in the family, etc.) It is the student's responsibility to contact his/her instructor and Professor Boris Datskovsky (Director of Advising and Coordinated Courses) by e-mail right away in the case of a missed exam (the email address of Professor Datskovsky is: bdats@temple.edu). Documentation of emergency is required. All make ups must be taken within two days of the test date. There will be no make-ups for missed quizzes.

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.

Important resource: The Student Success Center (SSC) offers free tutoring for this course through the STEM Learning Lab. During tutoring sessions, tutors will work with you one-on-one to review and understand the concepts in this course. The tutoring service is located in the Tuttleman Learning Center, suite 100, and is available on a drop-in basis or by booking an appointment online. You can learn more about the STEM Learning Lab, as well as other resources offered by the SSC, by visiting in person, by calling 215-204-0702, or by checking out www.temple.edu/class.

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 # 03.70.02¹).

Students will be charged for a course unless dropped by the Drop/Add deadline date. Check the University calendar² for exact dates.

During the Drop/Add period, students may drop a course with no record of the class appearing on their transcript. Students are not financially responsible for any courses dropped during this period. In the following weeks prior to or on the withdrawal date students may withdraw from a course with the grade of "W" appearing on their transcript. After the withdrawal date students may not withdraw from courses. Check the University calendar² for exact dates. Consult the full policy.³

The grade "I" (an "incomplete") is only given if students cannot complete the course work due to circumstances beyond their control. It is necessary for the student to have completed the majority of the course work with a passing average and to sign an incomplete contract which clearly states what is left for the student to do and the deadline by which the work must be completed. The incomplete contract must also include a default grade that will be used in case the "I" grade is not resolved by the agreed deadline. See the full policy.⁴

¹<http://policies.temple.edu>

²<http://www.temple.edu/registrar/documents/calendars/>

³<http://bulletin.temple.edu/undergraduate/academic-policies/withdrawal-policies/>

⁴<http://bulletin.temple.edu/undergraduate/academic-policies/incomplete-coursework/>