

2020 Fall Course Syllabus - Mathematics 2043.006

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Course: Mathematics 2043.006.

Course Title: Calculus III.

How this course will be taught: Fully online. This course will be taught synchronously throughout the semester during its regularly schedule time (TR 13:30 pm-15:10 pm) using Zoom. The link to the Zoom meeting will be announced. Attendance is required.

In-person activities and instruction for the fall 2020 semester will end Nov. 20, at the start of the fall break. The remaining week of classes, study period and finals will be conducted remotely.

Time: TR 13:30 pm-15:10 pm.

Place: All lectures will be held online via Zoom.

Instructor: Wei Wu.

Instructor Office: Office hours will be held online.

Instructor Email: wei.wu@temple.edu

Instructor Phone: Please use email.

Office Hours: Via Zoom TR 11:30 am - 13:00 pm and 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).

Technology specifications for this course: A working computer with a reliable internet connection, a Webcam, and audio capability. Recommended Internet Speed: 8mbps download & 5mbps upload. You can test your connection at <https://www.speedtest.net>. Please note: Hard-wired connections are more consistent than Wi-Fi for Zoom sessions. A scanning app such as AdobeScan or CamScanner is required as is access to Zoom and Canvas (the Canvas app is also recommended). Limited resources are available for students who do not have the technology they need for class. Students with educational technology needs, including no computer or camera or insufficient Wifi-access, should submit a request outlining their needs using the Student Emergency Aid Fund form. The University will endeavor to meet needs, such as with a long-term loan of a laptop or Mifi device, a refurbished computer, or subsidized internet access.

Course Goals: To teach multivariable and vector calculus.

Topics Covered: Vectors in two and three dimensions, vector valued functions, functions of several variables, partial derivatives, multiple integrals, integral calculus of vector fields.

Course Grading: Homework/Quizzes: 13%, Test 1: 19%, Test 2: 19%, Test 3: 19%, Comprehensive Final Exam: 30%.

Exam Dates:

Test 1: Friday September 25 (covers up to 14.1, plus 16.2).

Test 2: Friday October 23 (from 14.3, up to 15.5).

Test 3: Friday November 20 (from 15.6.3, to 116.3).

Final exam: 2:30-5:30, Thursday, December 10. Cumulative, at least 25% is based on 16.4-16.9.

The midterm tests are actually one-hour long, the extra 10 minutes you will use to upload the pdf to canvas.

For the tests, final exam, and quizzes you have to log into the course Zoom session with two devices, your computer and some other device (smartphone, tablet, iPad or iPod Touch, another computer). The computer's camera must be placed so that your face is visible to the proctor all the time, and your other device must point to the page you are working on to make it visible.

For example use a gadget similar to

<https://www.amazon.com/Slopehill-Gooseneck-Samsung-Bedroom-Bathroom/dp/B07VBDJM5K/>

Please note that you are not required to buy this particular device: if you have a way to hold your phone steady above your work area, that is fine.

If you are not logged in with both devices during an exam, your exam will not be

accepted.

Finally, to send back a scan of the exam, please download the AdobeScan app (Android or iOS). Use it to scan and upload your exam via Canvas. Only pdf format is acceptable.

Remote proctoring statement: Zoom, Proctorio or a similar proctoring tool *may* be used to proctor exams and quizzes in this course. These tools verify your identity and record online actions and surroundings. It is your responsibility to have the necessary government or school issued ID, a laptop or desktop computer with a reliable internet connection, the Google Chrome and Proctorio extension, a webcam/built-in camera and microphone, and system requirements for using Proctorio, Zoom, or a similar proctoring tool. Before the exam begins, the proctor may require a scan of the room in which you are taking the exam.

Attendance Policy: Attendance is required. Students who miss more than 3 classes without an excuse will have their grades lowered by one notch (e.g., from B to B-). Those who miss more than 6 classes will have their grades lowered by two notches, etc.

Attendance Protocol and Your Health: If you feel unwell, you should not come to campus, and you will not be penalized for your absence. Instructors are required to ensure that attendance is recorded for each in-person or synchronous class session. The primary reason for documentation of attendance is to facilitate contact tracing, so that if a student or instructor with whom you have had close contact tests positive for COVID-19, the university can contact you. Recording of attendance will also provide an opportunity for outreach from student services and/or academic support units to support students should they become ill. Faculty and students agree to act in good faith and work with mutual flexibility. The expectation is that students will be honest in representing class attendance.

Expectations for Class Conduct: In order to maintain a safe and focused learning environment, we must all comply with the four public health pillars: wearing face coverings, maintaining physical distancing, washing our hands and monitoring our health. It is also important to foster a respectful and productive learning environment that includes all students in our diverse community of learners. Our differences, some of which are outlined in the University's nondiscrimination statement, will add richness to this learning experience. Therefore, all opinions and experiences, no matter how different or controversial they may be perceived, must be respected in the tolerant spirit of academic discourse.

Treat your classmates and instructor with respect in all communication, class activities, and meetings. You are encouraged to comment, question, or critique an idea but you are not to attack an individual. Please consider that sarcasm, humor and

slang can be misconstrued in online interactions and generate unintended disruptions. Profanity should be avoided as should the use of all capital letters when composing responses in discussion threads, which can be construed as "shouting" online. Remember to be careful with your own and others' privacy. In general, have your behavior mirror how you would like to be treated by others.

Statement on recording and distribution of recordings of class sessions: Any recordings permitted in this class can only be used for the student's personal educational use. Students are not permitted to copy, publish, or redistribute audio or video recordings of any portion of the class session to individuals who are not students in the course or academic program without the express permission of the faculty member and of any students who are recorded. Distribution without permission may be a violation of educational privacy law known as [FERPA](#) as well as certain copyright laws. Any recordings made by the instructor or university of this course are the property of Temple University.

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: There will be NO MAKE UP exams except in the case of a DOCUMENTED EMERGENCY, like an illness or an accident. The documents confirming the emergency (from a hospital or police) must be provided. If you miss an exam, you must contact your instructor AND Professor Boris Datskovsky (Director of Advising and Coordinated Courses) by email right away, ideally before the exam (the email address of Professor Datskovsky is: bdats@temple.edu). Requests for makeups will not be honored if they come more than 48 hours after the time of the exam.

Quizzes: There will be a 20-40 min. quiz every week (when there is no midterm). Each quiz will consist of a few problems similar to the ones assigned from the textbook. There will be no make up quizzes.

Calculator Policy: No calculator or cheat sheets will be allowed on any exams or quizzes.

Exam Security Policy: We have a zero tolerance policy for cheating on the tests and quizzes. Any student caught cheating will receive a score of 0 on the test or quiz and will be reported to the Student Code of Conduct Board. This is consistent with the Temple University Academic Honor Code (see <https://secretary.temple.edu/sites/secretary/files/policies/03.70.12.pdf>) that states: "Every member of the university community is responsible for upholding the highest standards of honesty at all times. Students, as members of the community, are responsible for adhering to the principles of academic honesty and integrity." All

electronic devices required for testing must be used only for the purpose of accessing and submitting the exam. They are not allowed to be used for accessing information from outside sources. Students are not permitted to communicate with one another during the exam or quiz.

Technology requirements: You must have (1) a computer with a webcam and audio and with reliable internet connection, (2) a smartphone with AdobeScan (free for Temple students) installed.

Homework: Homework will be regularly assigned from the textbook but are not collected. Doing homework timely after each class will help you maintain discipline, and do well in quizzes and exams.

Any student who has a need for accommodations based on the impact of a documented disability or medical condition should contact Disability Resources and Services (DRS) in 100 Ritter Annex (drs@temple.edu; 215-204-1280) to request accommodations and learn more about the resources available to you. If you have a DRS accommodation letter to share with me, or you would like to discuss your accommodations, please contact me as soon as practical. I will work with you and with DRS to coordinate reasonable accommodations for all students with documented disabilities. All discussions related to your accommodations will be confidential.

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](#) (opens in new tab/window).

Students will be charged for a course unless dropped by the Drop/Add deadline date. Check the [University calendar](#) (opens in new tab/window) 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 Calendar](#) (opens in new tab/window) for exact dates. [See the full policy by clicking here](#) (opens in new tab/window).

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 by clicking here](#) (opens in new tab/window).