

Advanced Calculus I – MTH 4326

Fall 2016

Instructor: Dr. Tracy Weyand

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Office Location: Sid Richardson 347

Office Hours: Monday 1-2pm

Tuesday 3:30-4:30pm

Wednesday 10-11am

Thursday 11am-noon
or by appointment

Class Schedule: TR 2:00 - 3:15 pm SDRICH 225

Required Textbook: *Principles of Mathematical Analysis* by Walter Rudin, Third Edition (1976), ISBN 007054235X

Course Description: The real and complex number systems, basic topology, numerical sequences and series, continuity, differentiation, integration, sequences and series of functions.

Prerequisite(s): A grade of C or above in MTH 2321 and MTH 3323 or consent of instructor.

Assessments

Homework will be assigned during every class period, and a list of homework problems will be updated on Canvas regularly. There will be a homework quiz at the beginning of class every day there is not an exam. You will be given a few minutes to neatly copy one complete, formally written solution to a problem that was assigned during the previous class period. You will be allowed to use your notes and homework. It is important that you have completed all homework problems before coming to class because (1) you will not know ahead of time which problem I will request you to copy and (2) you will only be given enough time to copy the problem, not enough time to solve it.

There will be three regular exams and one final exam for this course. All exams will occur in the usual classroom (SDRICH 225). The regular exams will occur during class time. The final exam will be cumulative. The (tentative) dates for the exams are as follows:

Exam 1	September 22
Exam 2	October 27
Exam 3	December 1
Final Exam	December 8, 4:30-6:30pm

Attendance and Grading Policies

Attendance and Make-up Policy: The University (College of Science) attendance policy states that a student who misses more than 25% of the scheduled class periods **for any reason** cannot pass the course. If you miss more than 25% of the classes (which is 7 for a TR class this semester), the grade is automatically an “F”. If you miss class, you are responsible for finding out what material you missed and learning it. To find out what material you missed, please contact another student in the course.

Make-up exams will only be permitted if the absence was due to one of the following: illness, University representation, a family emergency, and limited other extreme circumstances (at my discretion). **You must inform me of the absence within 24 hours of the class period you missed or you lose the right to a make-up exam.** If you know about it ahead of time (as in the case of University representation), you must notify me before the absence. **Documentation is required before any make-up will be given.** Please obtain a doctor’s note if the missed class is due to illness. For a family emergency, submit an excuse from the Chaplain’s Office or make certain that the Chaplain’s Office notifies me of the reason for the absence.

At least the three lowest homework quiz grades will be dropped before I calculate your final grade. For this reason, make-up quizzes will not be permitted.

Grades: At the end of the semester, I will report to the University the grade you have **earned**. The following weights and distribution will be used when assigning your final grade:

Assessment	Weight
Quizzes	16 %
Exams	18 % each
Final Exam	30 %

Grade Distribution			
100 - 91 A	88 - 87 B+	78 - 77 C+	68 - 67 D+
90 - 89 A-	86 - 81 B	76 - 71 C	66 - 61 D
	80 - 79 B-	70 - 69 C-	60 - 59 D-
			58 - 0 F

Course Policies

Honor Code: *Baylor University students, staff, and faculty shall act in academic matters with the utmost honest and integrity.* This means that I have the responsibility to (1) clarify my expectations so you know what I consider to be academic misconduct, (2) report any violations to the Office of Academic Integrity, and (3) enforce consequences. A brief summary is listed below.

- Feel free to discuss homework with other students. However, the final work (that you will be copying for the homework quiz) should be your own written while you were by yourself and not directly copied from something/someone else (including but not limited to internet sources and other students).
- Homework quizzes and exams must be completed on your own without discussing it with anyone; I am the only person you should ask for clarifications. No books or electronic devices (**including cell phones**) are allowed out during a homework quiz or exam; notes are not allowed out during an exam.

Consequences will depend on the severity of the offense and may result in failure of the course. It is a student’s responsibility to be familiar with the Honor Code: for details, please see <http://www.baylor.edu/honorcode>.

ADA Policy: Any student who needs academic accommodations related to a documented disability should inform me immediately at the beginning of the semester. You are responsible for obtaining appropriate documentation and information regarding accommodations from the Baylor University Office of Access and Learning Accommodation (OALA). The OALA phone number is (254) 710-3605 and the office is in the Paul L. Foster Success Center - Sid Richardson, Room 190.

Title IX Office: If you or someone you know would like help related to an experience of sexual violence including sexual assault, harassment, domestic violence, dating violence, stalking or other type of non-consensual sexual conduct, please contact Patty Crawford, the Title IX Coordinator at Baylor University, by email (Patty_Crawford@baylor.edu) or phone (254-710-8454).

Anonymous reporting for students or third parties is also available on the Title IX website, www.Baylor.edu/TitleIX.

The Title IX office understands the sensitive nature of these situations and can provide information about available on- and off-campus resources, such as counseling and psychological services, medical treatment, academic support, university housing and other forms of assistance. Staff members at the office will also explain your rights and the judicial process options, if you choose to file a complaint with the University. You will not be required to share your experience, and the Title IX Office will keep any information private. The Title IX Office exists to support and empower students, while allowing them to remain in control. If you or someone you know feels unsafe or may be in imminent danger, please call the Baylor Police Department (254-710-2222) or Waco Police Department (9-1-1) immediately.

Dropping the Course: September 7 is the last day to drop the class without it appearing on your transcript. If you drop the class between September 7 and November 1, a “W” (withdrawal) will appear on your transcript. You cannot withdraw from the course after November 1.

Course Preparation: You should plan to study and work on homework for at least 4 to 5 hours after each class. **This is 8 to 10 hours a week**, not including class time or additional preparation for exams. Since the material builds on itself, it will be extremely difficult to earn an acceptable grade without keeping up. You need to master the previous material before coming to the next class or you will find class difficult to follow and participate in. Consistent class attendance and preparation will facilitate the ability to meet your grade expectations.

Other Important Dates:

September 5 Labor Day	November 23-27 Thanksgiving Holiday
September 7 Last day to drop	December 5 Last day of class
October 21 Fall Break	December 8-13 Final Exams
November 1 Last day to withdraw	

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