

Syllabus MAT 517 (Section 002) Spring Semester 2019

Contact Information:

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Class:

MW 3:45-5:05 100 Carnegie

Office Hours:

MW 10:00-10:45

Textbook:

W.A. STRAUSS, *Partial Differential Equations, 2nd Edition*, Wiley, New York, 2007 ISBN-13 978-0470-05456-7

Prerequisites:

MAT 485 or 414 or graduate standing in mathematical sciences.

Course Description:

The course discusses the basic material on partial differential equations and on the use of Fourier series in the solution of partial differential equations. Boundary value problems in rectangular, cylindrical and spherical coordinates are studied. We will cover select sections (marked with a star) from Chapters 1,2,4,5,6 of the text.

Tests:

There will be two in-class examinations and one final examination during the semester. There will be absolutely no make-ups for any reason. If you miss a test for a valid reason, the final exam grade will count correspondingly more. The examinations are tentatively scheduled as follows:

- Test 1, Wednesday, February 20
- Test 2, Wednesday, April 3
- Final (see below)

Grading:

Each of the in-class tests will count 25% towards the course grade. The final exam will count 30%, and weekly graded homework assignments will count the remaining 20%. The resulting weighted course average percentage then determines your letter grade according to the following table:

Course Average	Letter Grade	Course Average	Letter Grade
93-100	A	77-79	C+
90-92	A-	73-76	C
87-89	B+	70-72	C-
83-86	B	60-69	D
80-82	B-	0-59	F

Final Exam:

Tuesday, May 7, 5:15-7:15pm (Location TBA)

Students with Disabilities:

If you believe that you need academic adjustments (accommodations) for a disability, please contact the [Office of Disability Services \(ODS\)](#), located in Room 309 of 804 University Avenue, or call (315) 443-4498 or TDD: (315) 443-1371 for an appointment to discuss your needs and the process for requesting academic adjustments. ODS is responsible for coordinating disability-related academic adjustments and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since academic adjustments may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

Academic Integrity:

Syracuse University's Academic Integrity Policy reflects the high value that we, as a university community, place on honesty in academic work. The policy defines our expectations for academic honesty and holds students accountable for the integrity of all work they submit. Students should understand that it is their responsibility to learn about course-specific expectations, as well as about university-wide academic integrity expectations. The policy governs appropriate citation and use of sources, the integrity of work submitted in exams and assignments, and the veracity of signatures on attendance sheets and other verification of participation in class activities. The policy also prohibits students from submitting the same work in more than one class without receiving written authorization in advance from both instructors. Under the policy, students found in violation are subject to grade sanctions determined by the course instructor and non-grade sanctions determined by the School or College where the course is offered as described in the Violation and Sanction Classification Rubric. SU students are required to read an online summary of the University's academic integrity expectations and provide an electronic signature agreeing to abide by them twice a year during pre-term check-in on MySlice. The Violation and Sanction Classification Rubric establishes recommended guidelines for the determination of grade penalties by faculty and instructors, while also giving them discretion to select the grade penalty they believe most suitable, including course failure, regardless of violation level. Any established violation in this course may result in course failure regardless of violation level. For more information and the complete policy, see [policy](#).

Religious observances policy:

Syracuse University's Religious Observances Policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holy days according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors no later than the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services -> Enrollment -> My Religious Observances) from the first day of class until the end of the second week of class