

Foundations of Analysis II - MATH 6334 - Spring 2018 - Hay

COURSE SYLLABUS

CRN: 21388
Time: 2:00 - 3:20 TR
Place: LDB 208
Professor: Damon M. Hay, Ph.D.

Instructor Contact Information

Email: dhay@shsu.edu
Phone: 936-294-3662
Office: Lee Drain Building, Room 410.
Office Hours: 1:00-2:00 Mon, Tues, Thurs and by appointment.

Course Description (Catalog): This course is the second half of the analysis sequence. The analysis sequence includes topics from advanced multivariate calculus, normed linear spaces, measure theory, including Lebesgue and Borel measures, measurable functions, Lebesgue integration, and spaces of integrable functions.

Required Textbook: *Lebesgue Integration on Euclidean Space*, Revised Edition, by Frank Jones.

Grades: Your grade for this course will be based on exams and homework.

Homework	35%
Midterm Exam	30%
Final Exam	35%

Letter grades will be assigned based on your weighted average according to the following scheme: 90 to 100 = A, 80 to 89 = B, 70 to 79 = C, 60 to 69 = D, and 0 to 59 = F.

Homework: Homework will be assigned in class. It is your responsibility to ask questions about homework problems which you were not able to complete or did not understand. It is your responsibility to come to office hours, or otherwise contact someone for help.

Exams: There will be two exams, including the final exam. There will be no makeup exams, except for official University-sponsored activities and documentable emergencies.

Attendance Policy: Students are expected to attend every class. If class must be missed, the student is expected to get the notes from a classmate.

Students are expected to arrive to class on time. If a student is perpetually late, they will be asked to not attend class unless they arrive on time.

Academic Dishonesty: Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. See Student Syllabus Guidelines.

Classroom Rules of Conduct: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and students with respect. Students are to turn off all cell phones while in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination. Students may tape record lectures provided they do not disturb other students in the process.

Use of Telephones and Text Messagers: The use by students of electronic devices that perform the function of a telephone or text messenger during class-time are prohibited except with prior approval from the instructor for emergency use. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty. Failure to comply with this policy could result in expulsion from the classroom or with multiple offenses, failure of the course.

Visitors in the Classroom: Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrars Office.

Student Absences on Religious Holy Days Policy: Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See Student Syllabus Guidelines.

Disabled Student Policy: It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Any student with a disability that affects his/her academic performance should contact the Office of Services for Students with Disabilities in the SHSU Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786) to request accommodations.

For more information on these policies, please visit the site

<http://www.shsu.edu/syllabus/>