Syllabus - Math 556 – Fall 2018

Instructor: Dr. Qingying Bu  E-mail: qbu@olemiss.edu
Office: Hume 314  Office Hours: MW 2:00-5:00pm, or by appointment
Class Time: MWF 10:00-10:50am  Location: Hume 106

Course contents and goals:

The Advanced Calculus (Math 555 and Math 556) is a two-semester course which covers the logical foundations of calculus. Math 556 is a continuation of the advanced calculus series. Math 556 covers the convergence of sequences and series of real numbers (chapters 22-23), the convergence and the uniform convergence of sequences and series of functions (chapter 24), and metric spaces (parts of chapters 4-6 of Goldberg’s book).

This two-semester course is to train students to understand mathematical concepts and prove mathematical problems in mathematics language. We focus on proof problems rather than computation problems. After completing this two-semester course, a student should have ability to further study in mathematics.

Grading Policy:

1. There will be three major tests during the semester. Each test will count 100 points (the lowest test grade will be replaced by the final percentage provided that this percentage is higher).
2. Homework sets counting a total of 100 points will be given throughout the semester.
3. Participation will count 20 points.
4. The final examination is comprehensive and will count 200 points.

A:  ≥93%,  A-:  ≥90%,  B+:  ≥87%,  B:  ≥83%,  B-:  ≥80%,
C+:  ≥77%,  C:  ≥73%,  C-:  ≥70%,  D:  ≥60%,  F:  ≤59%.

Test Dates: to be announced in class.

Final Exam: 8:00am, Friday, December 7.

Attendance Policy:

- Attendance is directly correlated with course success. You are expected to attend all classes and to be on time and prepared. Attendance will be recorded daily. It is the student’s responsibility to make sure his/her attendance record is correct.
- Students who do not attend class within the first two weeks will be dropped automatically.
- Attendance Calculation: pts = 0 if 1 ≤ n ≤ 14, pts = n - 14 if 15 ≤ n ≤ 34, and pts = 20 if 35 ≤ n ≤ 38, where n = the number of classes you attend.
IMPORTANT POLICY:
1. Late homework is accepted, but ten percent points will be deducted and no later than one week.
2. Students must show all work on tests and the final exam in order to receive full credit.
3. Each student is responsible for all work missed due to absences.
4. If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests given for any reason other than official university functions. Any student who must miss an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.
5. An "I" grade will not be given without the permission of the Department of Mathematics.
6. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the noon examination or the 7:30 p.m. examination on some other mutually satisfactory date.
7. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 4 or # 6 above.

CALCULATORS: Electronic calculators and cellular phones are prohibited on tests and quizzes.

ELECTRONIC DEVICES: All cellular phones and other electronic equipment should be turned off during the class period.

CHEATING: The following statement is the policy of the Department of Mathematics regarding cheating:
Offenses: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an illegal calculator on tests or quizzes shall all be offenses subject to appropriate penalties.
Penalties: The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE: Monday, October 1.
After the Course Withdrawal Deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.

DISABILITY ACCESS AND INCLUSION: The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation, or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content, and the use of non-captioned or non-transcribed video and audio files. If you are approved through SDS, you must log in to your Rebel Access portal at https://sds.olemiss.edu to request approved accommodations. If you are NOT approved through SDS, you must contact Student Disability Services at 662-915-7128 so the office can: 1. determine your eligibility for accommodations, 2. disseminate to your instructors a Faculty Notification Letter, 3. facilitate the removal of barriers, and 4. ensure you have equal access to the same opportunities for success that are available to all students.