Syllabus for Math 305
Foundations of Mathematics
Fall 2018

Instructor: Dr. Reid

Office Location: 305 Hume Hall
Email: mmreid@olemiss.edu

Office Hours: 1-2 on M-F
Phone: (662) 915-7071

Lecture Time/Place: T/TH 9:30-10:45 JAC B001/Booneville/Tupelo/Southaven


Course Objectives: The main goal of Math 305 is to develop your skill in constructing and writing rigorous mathematical proofs. Logical, step-by-step proofs are at the heart of modern mathematics, and an awareness of what is required to construct a complete proof is necessary for reaching higher stages of mathematical knowledge. A second, but closely related, goal of this course is to extend your familiarity with the terms and notation of logic, sets, functions, and proof methods. In practical terms, Math 305 is intended to ease the transition between the abstract, proof-intensive content that is characteristic of upper-division mathematics courses and the relatively mechanical, computation-based content of your calculus courses.

Grading Scheme:

• Discussion Posts (drop four) 25%
  (due by 9am the day after class)
• Three midterm exams 50%
• Final Exam 25%

Your final letter grade in the course will be related to your percentage score as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
</tr>
<tr>
<td>A-</td>
<td>90-93%</td>
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<tr>
<td>B</td>
<td>83-87%</td>
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<tr>
<td>B-</td>
<td>80-83%</td>
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<tr>
<td>C</td>
<td>77-80%</td>
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<tr>
<td>C+</td>
<td>70-77%</td>
</tr>
<tr>
<td>D</td>
<td>60-70%</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 60%</td>
</tr>
</tbody>
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• Midterms: 9/13, 10/11, and 11/15
• Withdrawal deadline: October 1
• Final: December 6 at 8:00am
Website: (blackboard.olemiss.edu) Email correspondence will go to address given on website. The course syllabus, documents, and homework will be posted on this website. Homework must be completed on this website.

Policies: Makeup exams are not given. Late discussion posts are not allowed. Any student who must miss a scheduled exam because of an official university function must reschedule with the instructor to take the exam at a time before the exam is scheduled to be given. No other rescheduling is allowed. Official documentation must be provided. Students must show all work for each test question and arrive at a correct answer. An I grade will not be given without the permission of the Department of Mathematics. Every student must take the final exam at the time scheduled.

Academic Dishonesty: This is the policy of the Department of Mathematics regarding Academic Dishonesty. Cheating on any exam, quiz, homework, work to be completed in class; use of cell phones during homework or exams; theft, or attempted theft of exam questions; or possession of exam questions prior to the time for examination; shall all be offenses subject to appropriate 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.

Attendance Policy: Missed discussion posts and tests will be recorded with a score of 0.

Withdrawal Deadline: Monday, October 1, 2018. 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 emergencies 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 has changed his or her major.

Academic Needs: 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.

**Electronic Devices:** All cellular phones, pagers, and other electronic equipment should be turned off during the class period and tests. Cell phone use in class during a test, homework, or assignment will result in class failure. Any disregard for this policy will result in your being asked to leave the class.