MATH 261 – CALCULUS I

Section 22 (Honors) – Fall 2019

Course Meetings: M-W-F 8:00 - 8:50 am, 106 Hume Hall
Office: 305 Hume Hall
Office Hours: M/W 10-11, Tu 10-11:30, or by appointment

Instructor: Dr. Laura Sheppardson
Phone: (662) 915-1463
E-mail: Sheppard@olemiss.edu

COURSE CONTENT & GOALS

This course covers differentiation and its applications. This includes material from chapters 1-4 of the text. The content includes, but is not limited to, limits and rates of change, continuity, derivatives, derivative rules, higher derivatives, implicit differentiation, and applications of differentiation. Our goals are to enable students to understand the concepts and rules of differentiation, learn different techniques for finding derivatives, and develop problem solving skills. We expect students to apply concepts and theories learned in class to solve application problems that include optimization and curve sketching. Math 261 will prepare students for higher level calculus and other courses and will enhance critical thinking and analytical reasoning abilities.

TEXT/SOFTWARE:


- Mathematica (do not purchase) – available on the computers in Hume &Weir Hall or install on your computer using the university site license.

HOMEWORK

- Homework will be assigned for each section of material covered and will count for a total of 100 points.
- Homework assignments will be done on the computer using the MyMathLab courseware.
- Homework must be submitted by 11:59 p.m. on the due date for full credit.
- Homework assignments may be submitted after the due date for half credit until Sunday, Dec. 8th.

TESTS and FINAL EXAM

- There will be four major tests during the semester. Each test will count 100 points (400 points total).
- The lowest test grade will be replaced by the final exam percentage, if it is higher.
- Any student who will miss one of the four tests because of an official University function must reschedule and take this test at a time BEFORE the test is scheduled. NO OTHER rescheduling will be allowed. If a test is missed for any reason, a grade of 0 will be given.
- The final exam is comprehensive and will count 200 points.
FINAL GRADE:

- The cumulative total for the course is 700 points. The following point scale will be used to determine your final grade:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points Necessary for Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>630 to 700</td>
</tr>
<tr>
<td>A-</td>
<td>616 to less than 630</td>
</tr>
<tr>
<td>B+</td>
<td>602 to less than 616</td>
</tr>
<tr>
<td>B</td>
<td>560 to less than 602</td>
</tr>
<tr>
<td>B-</td>
<td>546 to less than 560</td>
</tr>
<tr>
<td>C+</td>
<td>532 to less than 546</td>
</tr>
<tr>
<td>C</td>
<td>490 to less than 532</td>
</tr>
<tr>
<td>C-</td>
<td>476 to less than 490</td>
</tr>
<tr>
<td>D</td>
<td>420 to less than 476</td>
</tr>
<tr>
<td>F</td>
<td>below 420</td>
</tr>
</tbody>
</table>

Note: A grade of C or better in Math 261 is required in order to take Math 262.

ATTENDANCE POLICY:

Regular class attendance is essential to learning and mastering the material. Attendance in this class will be recorded using the automated attendance scanners located in the classroom, and it will be reported to the University as per policy.

TUTORING:

Tutoring is available for Math 261 in the J.D. Williams Library Commons.
- Monday through Thursday: 10:00 am to 7:00 pm
- Friday: 10:00 am to 2:00 pm

ACADEMIC MISCONDUCT (cheating):

You are expected to abide by the guidelines for academic honesty given in the M-Book. Sanctions for academic misconduct may include grade reduction, extra work, failure of the course, suspension, expulsion, or a combination of the above. Academic misconduct includes presenting for grading anything which is not your own original work, using unapproved sources for any assignment or test, allowing someone else to copy your work for a graded assignment or test, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, the use of an illegal calculator on tests or quizzes, or asking for a regrade of a paper that has been altered from its original form. If you have any doubts about whether something is proper, ask.
WITHDRAWAL DEADLINE: Monday, Oct. 7th

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. Withdrawing from 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.

After the course withdrawal deadline, courses dropped will be recorded on University records and the grade of W will be recorded if the student is not failing the course at the time of withdrawal; otherwise, the grade of F will be recorded.

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 registered with SDS, you must log in to your Rebel Access portal at https://sds.olemiss.edu/rebel-access-portal to request approved accommodations. If you are NOT registered with SDS, you must complete the process to become registered. To begin that process, please visit the website at https://sds.olemiss.edu/apply-for-services.

TIPS FOR SUCCESS

• Keep up. You will need to be comfortable with the material from the beginning of the course to be successful in the end.

• You should expect to spend about two (2) hours outside class for every nominal hour in class. For a 3 credit hour course, expect about 6 hours a week of study time.

• Use your textbook and online resources. Through the MyMathLab site you can access a variety of practice problems, detailed examples, and other electronic resources.

• Ask questions. The point of the course is for you to learn something. I am here to help you do that, not to judge you. I can provide much more effective help if I know where you need it.
ATTENDANCE POLICY

The Honors College Policy: Honors courses are small classes, usually taught in seminar style with no more than fifteen students. They are reading, writing and discussion intensive. Student participation is therefore essential. In addition, the university commits extensive resources, especially in terms of faculty time, to these small classes. For these reasons, the Honors College has an attendance policy for all honors courses, both required and departmental. Students are entitled to two absences in Tuesday/Thursday classes and to three absences in Monday/Wednesday/Friday classes. Consequences of additional absences will be determined by the individual faculty member, but additional absences will lower your grade.

Consequences in this course: In this M/W/F course, each absence above the three allotted above will result in a 7 point deduction from the final course point total. Attendance will be recorded using the automated attendance scanners located in the classroom. It is the student’s responsibility to make sure that their attendance record is correct. If a student must leave class after signing in, it is the responsibility of the student to communicate with the instructor before class begins.