COURSE INFORMATION

Hours and location: 11:00am-12:15pm T & Th in Hume Hall 201

Instructor: Sandra Spiroff
Office address: Hume Hall 335
Office hours: T 9:20am-10:30am and 12:20-1:30pm; Th 9:20am-11am; also by appointment
Office telephone number: (662) 915-5646
E-mail address: spiroff@olemiss.edu

Text and Software for the course:

2. Mathematica: (do not purchase) - available on the computers in the Weir Hall computer lab or to install on your personal computer using the university site license; installation instruction at https://my.olemiss.edu/irj/portal?NavigationTarget=
   navurl://437be7228f011319fc592867c0866c2f&role=Student&workset=Technology

Prerequisites: A grade of C or better in College Algebra or an ACT score of 26-27.

Course 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, to learn different techniques for finding derivatives, and to 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 or other courses and enhance critical thinking and analytical reasoning abilities.

Syllabus:

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<tr>
<th>CHAPTER</th>
<th>SECTIONS</th>
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<tr>
<td>Chapter 2</td>
<td>2.1-2.7</td>
<td>Limits and Continuity</td>
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<td>Chapter 3</td>
<td>3.1-3.8</td>
<td>Differentiation</td>
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<tr>
<td>Chapter 4</td>
<td>4.1-4.8</td>
<td>Applications of Derivatives</td>
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Examination policies: There will be four in-class exams. Those dates are Thursday, September 10th, Thursday, October 1st, Thursday, October 22nd, Thursday, November 12th.

Homework: The course ID you will need to enroll in is spiroff11225.
- Online homework will be assigned for each section of material covered;
  Mathematica projects will be assigned periodically.
- Homework assignments will be done on the computer using the MyMathLab software.
- Homework assignments may be done as many times as needed before the due date, with only the best score counting toward the students’ grade.
- Homework must be submitted by 11:59 p.m. on the due date.
- No late homework/project will be accepted.
- Any non-submitted homework/project assignment will be given a grade of zero (0)

Grading policies: Homework/Mathematica Projects: 15%, Tests: 15% ea., Final: 25%. NO MAKE-UP EXAMS WILL BE GIVEN, but your lowest test score will be replaced by the final exam score. A: 100% - 93%, A-: 92%-90%, B+: 89%-87%, B: 86% - 83%, B-: 82%-80%, C+: 79%-77%, C: 76% - 73%, C-: 72%-70%, D: 69%-60%, and F: 59% - 0%.

Final exam date: Tuesday, December 8th from noon-3:00pm.
Calculators and Electronic Devices: Electronic calculators, cell phones, and ipods are prohibited on tests. Use of such equipment will be considered cheating. All electronic equipment should be turned off during class unless given permission by the instructor. This includes ipods, laptop, ipads, etc. cell phones should be silence and put away. The instructor may dismiss you from class if you are observed using any such electronics.

Free help*: Drop in help is available:

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<tr>
<th>DAY</th>
<th>TIME</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>MTW</td>
<td>2:30pm-6:30pm</td>
<td>Hume 326</td>
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Academic Needs: It is University policy to provide, on a flexible and individual basis, reasonable classroom accommodations to students who have verified disabilities that may affect their ability to participate in course activities or meet course requirements. It is the responsibility of the student to request accommodations by delivering to the instructor a copy of the Instructor Notification of Classroom Accommodations form. Students who believe they may benefit from academic accommodations because of a disabling condition should contact the Office of Student Disability Services (915-7128).

Academic Honesty: 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.

Very Important:

1. Students must show all work in order to receive credit. Work shown must support answer.
2. No late homework will be accepted.
3. 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.
4. 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. Each student is responsible for all work missed due to absences.
6. An “I” grade will not be given without the permission of the Department of Mathematics.
7. There will be no extra credit.
8. Any student having three or more final exams scheduled for the same day may arrange with the instructor to take either the 12:00 noon or 7:30 pm exam at another time. This the only reason that a final exam may be rescheduled. The student is required to take the final exam at the time scheduled.

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

Attendance Policy: Students who do not attend class within the first two weeks of the semester may be dropped from the roll. Absences may effect the final grade.

Withdrawals: The deadline for withdrawal is Monday, October 5th. After the course withdrawal deadline, courses 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 an F. After the course withdrawal deadline a student may drop a course only in cases of extreme and unavoidable emergency as determined by the student’s academic dean. Dropping the course after the deadline will not be permitted because of dissatisfaction over an expected grade or because of a change of major.
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<td>2.2-2.6</td>
<td>Limits</td>
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<td>Chapter 3</td>
<td>3.1-3.11</td>
<td>Derivatives</td>
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<td>Chapter 4</td>
<td>4.1-4.4, 4.6-4.9</td>
<td>Applications of the Derivative</td>
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SUGGESTED PRACTICE EXERCISES FOR MATH 261

Section 2.2: 7-10; 21-24
Section 2.3: 9-36; 39-42; 45-47; 68, 69; 77-79;
Section 2.4: 8-12; 17-38
Section 2.5: 9; 10; 12; 15-34; 52; 53; 57
Section 2.6: 9-26; 41-46
Section 3.1: 9-36; 49-52; 57-60
Section 3.3: 7-24; 35; 36; 39-46; 50; 52
Section 3.4: 8; 9; 13; 14; 19; 21; 26; 27; 33-36; 43-45
Section 1.4: 15-22; 29-34
Section 3.5: 17-22; 62, 63, 66; 67
Section 3.6: 11-17
Section 3.7: 7-25; 27-29; 31-33; 35; 36; 41-44; 48; 50; 79; 80
Section 3.8: 5-30; 37-39
Section 1.3: 37-48
Section 3.9: 9-30, 77-82,
Section 1.4: 35-46, 49-56
Section 3.10: 7-13; 15, 16; 18; 22; 25, 26; 31; 32
Section 3.11: 5-13
Section 4.7: 13-21; 26; 35; 36
Section 4.1: 23-34; 37-42; 56; 61
Section 4.2: 17-24; 31; 34; 39; 40; 57-59
Section 4.3: 9-20
Section 4.4: 12; 13; 24; 25; 30a
Section 4.9: 11-15; 23-26; 37-41; 47-49; 67-73
Section 4.6:
To register for Math 261-13 Spiroff (Fall 2015):

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: spiroff11225, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   You have an account if you have used a Pearson product, for example: MyMathLab, MyITLab, MyPsychLab, MySpanishLab or Mastering, such as MasteringBiology.
   ➤ If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   ➤ Use the access code that came with your textbook or that you purchased separately from the bookstore.
   ➤ Buy access using a credit card or PayPal account.
   ➤ If available, get 14 days temporary access. (The link is near the bottom of the screen.)
7. From the confirmation page, select Go To My Courses.
8. On the My Courses page, select the course tile Math 261-13 Spiroff (Fall 2015) to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course tile Math 261-13 Spiroff (Fall 2015) to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access from the course tile Math 261-13 Spiroff (Fall 2015).
5. Enter an access code or purchase access with a credit card or PayPal account.

For a registration overview, go to www.pearsonmylabandmastering.com/students/get-registered. Scroll down to Need a little help? and select a video.