COURSE INFORMATION

Instructor: Dr. Louiza Fouli
Office: WH 214
E-mail: lfouli@math.nmsu.edu
Telephone: 575-646-2201
Website: http://www.math.nmsu.edu/~lfouli
Course Website: http://www.math.nmsu.edu/~lfouli/courses/spring13/math192/index.html

Class Time:
Section M05: Tue-Thu 11:45am-1pm SH 106
Section M06: Tue-Thu: 2:35-3:50pm SH 106

Lab Time:
Section M05: Fri: 12:30-1:20pm SH 114
Section M06: Wed: 1:30-2:20pm SH 108

Office Hours:
Wednesdays 10:30am-12pm
Fridays 1:30pm-3pm
Or by appointment

Teaching Assistant: Ms. Van Vo
Office: WH 056
E-mail: vanvth@nmsu.edu

CATALOG DESCRIPTION:

Riemann sums, the definite integral, anti-derivatives, fundamental theorems, use of integral tables, numerical integration, modeling, improper integrals, differential equations, series, Taylor polynomials.

PREREQUISITE:

Grade of C or better in MATH 191G.

TEXTBOOK:


ASSIGNMENTS, EXAMS AND GRADES:

HOMEWORK:

I will assign homework from the textbook. The problems assigned will not be collected, but you are responsible for doing them. Your homework grade will be determined by the online homework administered through WebAssign. Initially you need to go to http://www.webassign.net and click the “I have a class key” link. The class key for Section M05 is nmsu 2234 6739 and the class key for Section M06 is nmsu 2130 5270

Upon entering this key, follow the instructions that come up. At some point you will be asked for an access code. Depending on where you bought your textbook, it might come bundled with a WeBAssign access code. Otherwise, as indicated on the screens that came up when you entered the class key, you can buy the access code online. After you have done all this once, in order to access the homework assignments, you need only log in at http://www.webassign.net The online homework assignments and their due dates will be listed on your WebAssign home page. Note that even if you bought your text for 191 and used the bundled access code for the course, you still have to buy another code.
QUizzes AND LAB Assignments:
There will be 10-15 minute in-class quizzes throughout the semester, given in the lab. Make-up quizzes will be allowed only with a justifiable excuse, provided in advance whenever possible. Your lowest quiz score will be dropped. There will be assignments to be worked out in groups during the lab that you will be turning in.

Extra Help:
Students are encouraged to attend office hours regularly. Office hours give students an excellent chance for in-depth discussion of class materials and problems. Even if you don’t have specific questions to ask, listening to other students’ questions can be quite valuable. Asking questions in class and by e-mail is also encouraged. Additional help is available at the Mathematics Tutoring Center (WH 101). A schedule will be placed on the door of that room.

<table>
<thead>
<tr>
<th>Tutoring Center hours</th>
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<td>Monday - Thursday</td>
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<td>Friday</td>
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Calculators:
While calculators may be helpful on some homework exercises, the use of calculators on exams and most of the quizzes will be prohibited.

Exams:
We will have a total of three common exams, including the final. The first two exams will be given in the evening from 7:00-8:30 PM on Thursday, February 28th and Thursday, April 18. The location for each exam will be announced later. Note that all sections of this course meet at these scheduled exam times. The use of calculators on the exams is prohibited.

You are expected to take the Thursday evening exams at the times listed above unless you have a legitimate reason to miss. The only allowed excuses for a makeup are documented illnesses or university sponsored events. A scheduled makeup of each exam will be held 4:00-5:30 on the Friday following each regularly scheduled Thursday evening exam: March 1 and April 19. In general, students who miss the Thursday exams for excusable reasons will be expected to attend the Friday makeup time.

You must inform me as soon as you know you will have difficulty attending a scheduled exam. Except in the case of a genuine emergency, this should occur BEFORE the exam is given. Permission to take the makeup exam is NOT automatic, and students who need to do so must make arrangements ahead of time. Once an exam is graded and returned, it cannot be made up under any circumstances.

Final Exam:
The comprehensive final exam will be held on Tuesday, May 8, 3:30–5:30pm. The location for the exam will be announced later. The use of calculators on the exams is prohibited.

Grades:
I will use the following allocation for calculating your final grade:

- Homework: 10%
- Quizzes and Lab Assignments: 20%
- 2 Exams: 20% each
- Cumulative Final Exam: 30%
Your final (letter) grade will be determined approximately by the usual 90-80-70-60 % cut-offs of a total numerical grade. The instructor reserves the right to modify the grading scale if considered appropriate. Changes (if any) would be in the students’ benefit. The grades will be posted on webassign throughout the semester.

COURSE POLICIES:

Attendance:
It is your responsibility to attend class. I expect you to arrive on time and to remain for the full class period. While you are in class you are expect to behave with respect towards your instructor and the other students. For that reason, make sure to shut off ALL electronic devices during class and exams.

Extra Credit work:
There will be NO extra credit work offered in this course. Therefore, plan accordingly to meet the specified requirements in order to pass this course.

Communication:
I plan to use e-mail as the main communication tool. Please make sure you check your official nmsu e-mail often or have your e-mail forwarded to an e-mail account you check often.

Withdrawals and Incompletes:
You have the primary responsibility for withdrawing from the course. I will authorize the secretary in the Math Office (SH 236) to sign drop slips for me, in case I am not available. The last day to drop a course online (not recorded on academic record) is January 29, 2012. The last date to drop with a “W” is March 12, 2012. The last day to withdraw from the University is Friday, April 19, 2012. Under university policy the letter grade “I” is allowed only if a student has passed the first half of the course, and is precluded from completion of the second half of the course by a documented illness or family crisis.

Academic Misconduct:
It is assumed that you have familiarized yourself with the portion of the student handbook and catalog pertaining to academic misconduct. Please be aware that such misconduct, including but not limited to plagiarism, is subject to disciplinary action. Students should note that both intentional and unintentional plagiarism is prohibited. Students may refer to the following websites for more information. The current University definition of plagiarism can be found at: [http://lib.nmsu.edu/plagiarism/](http://lib.nmsu.edu/plagiarism/)

Discrimination:
Feel free to call Gerard Nevarez or Agustin Diaz at the Office of Institutional Equity (OIE) - O’Loughlin House, either by phone: 575-646-3635, or by e-mail: equity@nmsu.edu with any questions you may have about NMSUs Non-discrimination Policy and complaint of discrimination, including sexual harassment.

Student Accessibility Services:
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) cover issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact Trudy Luken, Student Accessibility Services (SAS) - Corbett Center, Rm. 244, Phone: 575-646-6840, E-mail: sas@nmsu.edu, Website: [http://www.nmsu.edu/ ssd/](http://www.nmsu.edu/ ssd/)
Course Content:
We will cover chapters 5-8 and 10. The tentative calendar for the course is as follows:

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<th>Week of</th>
<th>Sections</th>
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<td>1/28</td>
<td>5.3–5.5</td>
<td>Fundamental Theorem of Calculus, net or total change</td>
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<tr>
<td>2/4</td>
<td>5.6, 5.7, 6.1</td>
<td>Substitution, applications of integrals</td>
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<tr>
<td>2/11</td>
<td>6.2–6.4</td>
<td>Applications of integrals, Volume, volumes of revolution, shells</td>
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<td>2/18</td>
<td>6.5, 7.1</td>
<td>Work and energy, numerical integration</td>
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<td>2/25</td>
<td>Review, 7.2</td>
<td>Integration by parts, EXAM 1</td>
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<tr>
<td>3/4</td>
<td>7.2–7.4</td>
<td>Integration by parts, trigonometric integrals, substitution</td>
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<tr>
<td>3/11</td>
<td>7.4, 7.7</td>
<td>Substitution, trigonometric substitution, improper integrals</td>
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<tr>
<td>3/18</td>
<td>7.7, 8.2</td>
<td>Improper integrals, fluid pressure and force</td>
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<td>4/8</td>
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<td>Infinite series, Convergence tests</td>
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<td>Convergence tests, EXAM 2</td>
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<td>10.5–10.7</td>
<td>Convergence tests, power series, Taylor series</td>
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<tr>
<td>4/29</td>
<td>10.7, review</td>
<td>Taylor series</td>
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<tr>
<td>5/7</td>
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<td>FINAL EXAM</td>
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