Math 250 sec.3  Calculus II  Spring 2016

Instructor: Dr. McSorley.  Neckers 383.

Office Hours: M 2-5pm; Th 9-11.30 am. Or call 453-6596 or email jmcsorley@math.siu.edu for an appointment.

Class meeting: MWTThF 12-12.50pm Neckers 156.

Prerequisites: This is a difficult class. A grade of C or better is required in Calculus I (Math 150 at SIUC), in a recent semester. It is essential that your Calculus I, algebra, and trigonometry skills are good.

To check that you have the required skills:

Go to http://www.math.siu.edu:
click on Course Information > Course Preparation > 250:Calculus II>
‘Algebra/Trig Pre-Test’ and then ‘Calc I Skills Assessment Test’.

Work through these Questions and Answers as soon as possible, and if you need help on any topic click on the relevant ‘Review Topic’. If you have problems think about going down to a section of Calculus I (Math 150).

Class Description: techniques of integration, approximate integration, limits and l’Hospital’s rule, improper integrals, applications of integrals, sequences, series, Taylor and Maclaurin series, parametric curves, polar coordinates, conic sections.


Grading: Your Class Grade will be determined by your performance on the Homeworks, Exams, and the Final Exam.

Homeworks collected:
During the semester 6 collected Homeworks will be given.

HW 1A, HW 1B on Exam 1 material.
HW 2A, HW 2B on Exam 2 material.
HW 3A, HW 3B on Exam 3 material.
The collected HW’s will be graded by a grader, and returned with solutions. Total=100 points.

Exams: There will be 3 in-class exams.
Exam 1: Chp. 6 (not 6.4), 3.7, 7.4, 7.6.
Exam 2: Chp. 8.
Exam 3: Chp. 9.
Each Exam is worth 100 points. Make-up Exams will only be given if you have a good excuse: bring a doctor’s note, athletic meet note, etc. to my office sometime before the Exam. Total=300 points.

**Final Exam:** The (comprehensive) Final Exam is worth 200 points. Total=200 points.

**Scale:** The class will be graded on 100+300+200=600 points. Class grades will be determined according to the % scale: 90,80,70,60; or the point scale

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-600</td>
<td>A</td>
</tr>
<tr>
<td>480-539</td>
<td>B</td>
</tr>
<tr>
<td>420-479</td>
<td>C</td>
</tr>
<tr>
<td>360-419</td>
<td>D</td>
</tr>
<tr>
<td>0-359</td>
<td>F</td>
</tr>
</tbody>
</table>

**Miscellaneous:**
- The only way to learn math is to do math. Read the book. Take class notes. Do as much as possible of the assigned homework in a timely manner.
- Each day **uncollected** Homework will be written on the board. This is for you to do yourself and not turn in, it is mainly odd-numbered questions and the answers are in the back. Make sure you work the question until you get this answer. These uncollected Homeworaks and the collected Homeworks are good preparation for the Exams.
- Drop date: Friday, Jan 29 (week 2) (with refund); Sunday, April 3 (end week 10) (without refund).
- Proficiency Exam, see Dr. Redmond (Neckers 259) or go to the Math Office, Neckers 360.
- Free Math Tutorial sessions are located in the College of Science Study Area on the second floor of Neckers: M-Th 4-9pm. Bring your own books.
- The Final Exam date and time is Monday May 9, 5.00pm–7.00pm.
- Old Final Exams and some solutions are at http://www.math.siu.edu, click on Course Information > Final Exam Preparation.
- A graphing calculator is useful, but not required, for this course. You can use one on the HW, but you must show all work. However you **cannot** use a graphing calculator on the class Exams nor the Final Exam, this is Math. Department policy. So make sure you have an ordinary scientific (small screen) calculator for the class Exams and the Final Exam.
• Handouts, HW, etc., will be posted on Desire2Learn (D2L).
• There are copies of the book on Reserve in Morris Library, useful for the collected HW.

Study hard and good luck!