Syllabus for Mathematics 252 Fall 2005

Professor: Dr. Klay Kruczek  Phone: 503-838-8829
Office: AA 208  Email: kruczekk@wou.edu
Web Page: www.wou.edu/~kruczekk/Math252.htm

Dr. Kruczek’s OFFICE HOURS & SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>9-10</td>
<td>Office Hour</td>
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<td>USUALLY NOT ON CAMPUS</td>
<td>Office Hour</td>
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<tr>
<td>10-11</td>
<td>Office Hour</td>
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<tr>
<td>11– 12</td>
<td>Lunch</td>
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<tr>
<td>12 – 1</td>
<td>Math 396</td>
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<td>1 – 2</td>
<td>Math 396</td>
<td>Math 252</td>
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<td>2-3</td>
<td>Math 252</td>
<td>Math 252</td>
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<td>Office Hour</td>
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<td>3-4</td>
<td>Office Hour</td>
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<td>4:30-7</td>
<td>Math 493/593</td>
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Office hours are for you, so please do come to introduce yourself in more detail to me and feel free to drop by for help. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

PREREQUISITES
MTH 251 with grade C- or better or consent of instructor.

REQUIRED COURSE MATERIALS

Text: Calculus Concepts and Contexts (2nd Edition) James Stewart

Calculator: A scientific calculator with at least the capabilities of a TI–83 is required for this course. A TI-83 is highly recommended. Please see me if you are purchasing a new calculator.
Optional Home Maple / Student Version
Maple is required to complete your labs for this course. If you are interested in purchasing a student version for your home use, you have the option to do so. The cost is $75 for a CD and you can download other materials from the Maplesoft site. Please go to your class homepage to access the Maplesoft site for this course if you are interested in purchasing a student version of Maple.

COURSE STRUCTURE
Classes and weekly labs will be a mix of an interactive lecture, activities and problem solving sessions.

LEARNING OUTCOMES
This course, designed as a second course in Calculus, focuses on integration theory for functions of one variable. A student passing this course should be able to do the following:

- Approximate an integral or the area under a curve using a variety of methods
- Evaluate indefinite and definite integrals using a variety of methods such as u-substitution and integration by parts
- Determine the antiderivative of a function using references such as a Table of Integrals
- Determine whether an improper integral is convergent or divergent
- Find the area between two curves
- Find the volume generated by rotating a region about an axis
- Understand the use of integration to solve real world problems in physics, engineering and economics
- Solve various first-order differential equations

READING THE TEXT
You will be expected to carefully and completely read each (assigned) section in your textbook. It is a good idea to briefly read the assigned section before class and then to carefully read the section before you start your homework. You might find it very helpful to write out the examples in the text as well as to just read the examples. If you carefully write out the examples and work out all of the steps you will find that you have a deeper understanding of the material. You may ask questions about the text both in class and during office hours.

ATTENDANCE
Daily attendance is required for your success in this course. If you miss class, it is your responsibility to ask a classmate for notes on the material that you have missed. I will not have discussion notes available if you have missed class, nor will I repeat my discussion during office hours.
HOMEWORK: There will be a variety of homework assignments given in this course. There will be three main categories of homework assignments:

Text Problems, Maple Labs, and Problems of the Week (POWs)

TEXT PROBLEMS
Homework (problems) from our textbook will be assigned daily. These homework assignments will not be assessed directly but you will be given an in-class notebook quiz (approximately) every week.

- Completing your homework in a timely fashion will be integral to your success in this course. Exams will be based on homework problems and in-class activities. You will find that if you do not do all of your homework, you will not succeed in learning the material covered in this course.
- You will be given periodic notebook quizzes where you will only be allowed to use your notebook to answer the questions on the quiz.

MAPLE LAB ASSIGNMENTS
Most weeks there will be Maple lab assignment. These assignments will generally consist of solving a series of problems using Maple 9.5 and writing a detailed report about it. You will work in teams to solve these problems, but turn in separate reports.

PROBLEMS OF THE WEEK
Approximately each week you will be assigned a special problem that will help us focus on problem solving using calculus. More detailed information will be provided with the problem assignments.

COURSE GRADING

- Attendance and in-class participation are required. Each day your participation in class will be noted.
- Documented (written) excuses for illness, etc. will be accepted for missed classes and/or late work. Notification must be prompt and in advance.

2 Midterm Exams 30%
Maple Labs 13%
Text Problems Homework and Calculus I review 13%
Problems of the Week 13%
Attendance 6%
Final Exam 25%
EXAMS

There will be two mid-term exams in this course and one final. All exams will be timed exams. Makeup or early exams will only be given in the case of a documented emergency or a documented university sanctioned absence from class. Prior notification and my agreement are required.

APPROPRIATE CLASSROOM BEHAVIOR

You are responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate. Proscribed Conduct for all students is described in the University Catalog. In particular for this course any student found cheating on an exam or copying from another student’s exam paper will receive a zero score on that exam.

LATE WORK POLICY

Your work is due by 4 p.m. on the due date. All due items may be turned in, unexcused, 1 class day late (by 2 p.m.) for 75% credit or 2 class days (by 2 p.m.) late for 50% credit. There will be NO credit for assignments more than 2 class days late. Any item turned in after 4p.m. on a due date will be considered late. There are no exceptions!

LEARNING DISABILITIES

If you have a documented learning disability, please talk to me during the first few days of class, I will be more than happy to accommodate you in any way that I can. If you have a documented disability, which requires any academic accommodations, you must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at (503) 838-8250 (V,TTY) to schedule an appointment.

INCOMPLETE POLICY

If you are passing this course and have a documented reason for not being able to complete the course, I may be able to grant you an incomplete. You must obtain my agreement if you wish to have a grade of incomplete recorded.

STANDARD GRADING SCALE FOR THIS COURSE
(Total % for the course, usual rounding rules apply)

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<th>%</th>
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<tr>
<td>93–100</td>
<td>A</td>
<td>90–92</td>
<td>A-</td>
<td>87–89</td>
<td>B+</td>
<td>83–86</td>
<td>B</td>
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<tr>
<td>77–79</td>
<td>C+</td>
<td>73–76</td>
<td>C</td>
<td>70–72</td>
<td>C-</td>
<td>60–69</td>
<td>D</td>
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