Math 106 Section 150

Fall 2004

MTWRF in Oldfather 208
I will lecture on MWF and Recitation is TR

Instructor: Pari Ford
E-mail: pford@math.unl.edu
Office: 315 Avery Hall
Website: “www.math.unl.edu/~pford”
Office Hours: 8:30-9:20 Tuesdays, 3:30-4:20 Wednesdays, and 1:30-2:30 Fridays (Subject to change) or by appointment. See me after class or email me if you need to meet at a different time.

Text: Calculus, Smith and Minton, Second edition, McGraw-Hill, 2002. Please bring your text to each class meeting; we may use it at a source of examples to work during class.

Calculators: A graphing calculator is required for this course. The Texas Instruments TI-85 or TI-86 is strongly recommended. TI-89 and TI-92’s are not allowed. Always bring your calculator to class. You may need it for practical work in class.

General Expectations: You are expected to take notes during each lecture. These notes, along with the text are the key sources for studying. Studying and working out problems is expected to be a daily affair. Performance at a high level is very much expected in this class.

Groups: Some of the work you will be doing in this class will be in groups. For this reason, you may find it helpful to sit with your group in class.

Resources: When you need help with something in the course, there are a lot of places to go:

- Talk to the other members of the class. Together you can often figure out things you didn’t understand alone.
- Come and see me during office hours especially if it’s about something I did in class. The best time to be sure of finding me is in my office hours, but you can email to arrange another time.
- Go to the Student Resource Center (also known as the Math Resource Center or MRC). They are open from 12:30pm to 8:30pm Monday through Thursday, 12:30-2:30pm Fridays, and 1:00pm-5:00pm on Sundays. It is located in 13 Avery Hall.

Homework: You are responsible to work all of the assigned problems on the syllabus after each period and before the next class meeting. The homework will not be collected for grading.

Quizzes: There will be a short (10-15 min) quiz every Thursday when there is no exam. Each quiz, except for the first quiz, will be over the material covered from Wednesday (the previous week) to Monday (the week of the quiz). Only the top 10 quizzes will count toward your grade.

Exams: There will be three exams, the gateway exam, and one final exam. The exams will each be 50 minutes long, and the final will be two hours. The first exam will be worth 80 points, and the second and third exams will be worth 110 points each. The three exams will always be given on a Thursday. Please pay attention to the announcements in class for the dates of the exams and consult your syllabus to get approximate dates. The final exam will be taken in a different room than our regular class. The location of the final will be announced during the last week of classes.

WARNING: Please consult your calendar to be sure that you can take all the exams. If you have a conflict, it would be a good idea to enroll in a different section or take the course another time. There will be no make-up exams or quizzes.

A VERY GOOD WAY TO PREPARE FOR EXAMS is to be sure you have understood the reading and done (and understood!) all of the assigned problems. Many of the questions I ask are closely related to the homework and the examples shown in class, sometimes even word-for-word.
Computer Assignments: Regularly throughout the semester, use any computer with internet capabilities to go to “http://www.math.unl.edu/pi/studentResources/gatewayExam.” There you will find a short assignment to complete. The assignment will be evaluated out of a score of 2, and at the end of the semester, the total will be scaled to a grade out of 50 points. The assignment will only be available for 2 days at a time so stay on top of deadlines. Unlike the Gateway exam, you do not need to go to the computer testing center to complete the computer assignment. The assignment will be announced in class and on blackboard.

Gateway Exam: You are required to take and pass a computer exam called the Gateway Exam. This is a basic skills test over differentiation techniques, and students must demonstrate a high level of proficiency and accuracy. The exam will first be given in recitation on Tuesday, October 5th and the last day to take the test on the computer will be Wednesday, November 10th.

- The exam will consist of 10 questions where you are asked to find a derivative. To successfully pass the exam, you must work at least 8 problems completely correct. No partial credit will be given.
- No calculators, books, or notes will be allowed on the Gateway Exam.
- Students who do not pass the gateway exam in class will be permitted to re-take it on the computer.
- Gateway exams can be taken in the MathLab (“http://www.math.unl.edu/pi/studentResources/labs”) and the Arts and Sciences Testing center (“http://www.unl.edu/edu/TestingCenter/”). A picture ID will be required when taking the exam at either site. You may attempt the Gateway Exam only once on any given day, but you can take it every day from October 5th to November 10th. Also, you may take as many practice exams as you wish from any computer connected to the internet. Go to “http://calculus.unl.edu/edu/classes/math106/”
- Students who successfully complete the Gateway Exam will receive 100 points as part of their grade for the course. Students who do not pass the Gateway Exam will receive no points.

Group project: There will a group project assigned on Tuesday, September 28th. The due date is Thursday, November 4th. We will discuss the details when it is assigned.

Grading Policy: The following table show how points will be awarded over the course:

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Points Each</th>
<th>Item Points</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>1</td>
<td>80</td>
<td>80</td>
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<tr>
<td>Exams 2 and 3</td>
<td>2</td>
<td>110</td>
<td>220</td>
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<tr>
<td>Project</td>
<td>1</td>
<td>50</td>
<td>50</td>
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<td>Computer Assignments</td>
<td>?</td>
<td>?</td>
<td>50</td>
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<tr>
<td>Quizzes</td>
<td>10+</td>
<td>10</td>
<td>100</td>
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<tr>
<td>Gateway Exam</td>
<td>1</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1</td>
<td>200</td>
<td>200</td>
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</tbody>
</table>

Total Points 800

Note: If your score on the final exam (percentage-wise) is greater than the score on your lowest exam (percentage-wise), then the percent score of the final will replace the lowest percent score of the exam scores; PROVIDED the following condition is fulfilled: You must take all of the three exams.

At the end of the course your final grade will be based on your average, and it cannot be any harsher than the following table:

<table>
<thead>
<tr>
<th>Grade</th>
<th>55-60</th>
<th>60-64</th>
<th>64-67</th>
<th>67-70</th>
<th>70-74</th>
<th>74-77</th>
<th>80-84</th>
<th>84-87</th>
<th>87-90</th>
<th>90-97</th>
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<tbody>
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<td>Mean</td>
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Department Grading Appeals Policy: Students who believe their academic evaluation has been prejudiced or capricious have recourse for appeals to (in order) the instructor, the departmental chair, the departmental appeals committee and the college appeals committee.