

## Mathematics 108, Calculus II for Business

Fall Semester 2002

**Instructor:** Joachim Rosenthal

**Office:** Hurley 275

**Class Time:** MWF 8:30-9:20

**Class Location:** Hayes-Healy, 129

**Textbook:** “Calculus for business and social sciences”, by Alex Himonas and Alan Howard.

**Objectives:** The main objective of Math 108 is to learn mathematical concepts, techniques, and ideas that are useful in solving and understanding real life problems which arise in economics and business. Therefore most mathematical concepts are introduced through interesting business problems.

**Electronic Course Information:** Information for this course like **exam dates, reviews, practice exams**, etc. will also be delivered using the web at

<http://www.nd.edu/~math108>

### Exam and Homework Schedule:

	Date	Day	Time	Room	Points
Midterm 1	September 26	Thursday	8:00–9:15 AM	TBA	100
Midterm 2	October 31	Thursday	8:00–9:15 AM	TBA	100
Midterm 3	November 21	Thursday	8:00–9:15 AM	TBA	100
Final	December 17	Tuesday	1:45–3:45 PM	TBA	150
Homework	collected weekly				60
Quiz	4 quizzes of 10 points each				40
<b>Total Points:</b>					<b>550</b>

Cutoffs for major grades (A, B, C, D, F) will be assigned for each exam and announced in class so students have some indication of their level of performance. Your final grade will be assigned on the basis of your total score out of 550.

**Missed exams:** Note that here will be three Midterm Exams and a Final Exam. A student who misses an examination will receive **zero points** for that exam unless he or she has written permission from the Dean of the First Year of Studies. Please be aware that travel plans, sleeping in, defective alarm clocks etc are **not** considered to be a valid excuse by the Dean of the First year of Studies! If you have a valid excuse (illness, excused athletic absence etc) for missing an exam, please see your instructor ASAP (preferably before the exam) and a makeup exam will be scheduled.

**Exam conflicts:** Students with **more than 2** finals in one day, or **more than 3** finals in a 24 hour period, may negotiate to change the time of one of these finals. If you intend to request to have the time of your Math 108 final changed, you must talk to your instructor by **December 1**.

**Honor Code:** Both examinations and homework and quizzes are conducted under the honor code. While collaboration in small groups in doing homework is permitted (and

strongly encouraged) in this course, copying is not. Exams are closed book and are to be done completely by yourself with no help from others.

**Homework:** Homework problems from the text will be assigned each class meeting and collected during the following class. You are encouraged to work on homework problems in groups, but the assignments must be turned in individually. Remember that you will not learn anything by simply copying another student's work. The main purpose of the homework is to help you learn the material. Experience shows that students who take their homework seriously do very well in the course because they have a better understanding of the material.

**Homework collection policy:** Homework will be collected once a week. The three lowest homework scores will be dropped, which means absolutely **no late homework** will be accepted.

**Review Quizzes:** A few days before each Midterm Exam and the Final Exam there will be one review-quiz.

**Class Attendance:** A first-year student who accumulates more than 3 unexcused absences may be given an F.

**Study Suggestions:** After each lecture, it is often useful to go back over it. Ask yourself what is the main problem of the day and then review its solution. Rewrite your notes in your own words if that helps. Read the corresponding section(s) of the book and see if the examples there make sense. Then begin the homework problems. If you have questions, try to get help before the next class. It will also be very helpful to you to look over the portion of the text to be covered next class and come to class prepared with questions about any part of the material that is unclear to you.

• **Mathematics Department Help Session:**

Jason L. Perkins (perkins.30nd.edu) will hold help sessions:

Mon, Wed 7-9 PM place to be announced.

• **Learning Resources Center (LRC) Help:** You may also obtain valuable assistance from the **LRC** in the First Year of Studies:

*Math 108 Tutoring Program* - beginning Tuesday, September 10, 2002.

*Mathematics 108 Workshops* - Sunday 3:30-5:30 PM in DBRT 131, beginning Sunday, September 15, 2002.

*Collaborative Learning Program* - Monday and Wednesday 6:00-7:30 PM in the Learning Resource Center, 228 Coleman Morse, beginning Monday, September 16, 2002.

You must sign up for the Collaborative Learning Program or Tutoring Program with Ms Nahid Erfan, Director of **LRC**, if you wish to participate and regular attendance is then required. Sign-up and regular attendance are **not** required for the Math 108 Workshops.

**Calculators:** You are expected to use a graphing calculator on homework assignments and exams.