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Syllabus for

Mathematics 108, Section 01

Elements of Calculus II for Business

Fall semester , 1997.

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Texts: "Calculus and its Applications" (Seventh Edition), by Goldstein, Lay and Schneider. And "Math 108 Lecture Notes, Fall 1997", by Alex. Himonas.

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Office hours: Monday 4:30–5:30, Thursday 2:00–3:00 and by appointment.

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 many mathematical concepts are introduced through interesting business problems.

To accomplish these objectives it will require some effort from your part. It is very important that you **miss no class** at all, and **take good notes** on every lecture. Then **before the next lecture read your class notes, the book and do the homework** based on the material just covered. Try to **have your questions answered before the next class begins**. Talk to your teacher, your classmates and also use the Freshman Learning Resource Center. You are **STRONGLY** encouraged to **form small groups of study** with your classmates to discuss the material and also the homework problems.

Exams: There will be 3 in class Exams during the semester, and a Final Exam. The dates for the Exams are:

- Exam 1:   Wednesday, September 24.
- Exam 2:   Wednesday, October 29.
- Exam 3:   Wednesday, December 3.
- Final Exam   Wednesday, December 17, 7:30–9:30 PM. (Tentatively).

Quizzes: There will be some 10 min. quizzes. It tells you and your teacher if you have a basic understanding of the material discussed in the course. It will also prepare you for the Exams.

Homework: It will be assigned once a week. At the end of the semester the homework with the lowest score will be dropped and no late homework will be accepted. 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 Quizzes and Exams** because they have a better understanding of the material.

Grading: Your course grade will be based on a scale of 500 points computed in the following way:

- Exam 1: 100 points
- Exam 2: 100 points
- Exam 3: 100 points
- Quizzes and Homework: 50 points and to determine border line situations.
- Final Exam: 150 points
- **Total score**: 500 points

Note: 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 your Math 108 final changed, you must talk to your teacher as early as possible.

Honor Code: The exams and quizzes are under the honor code. The honor code does not apply to homework. So you may discuss the homework with other classmates but **do NOT copy** each other. Again, collaboration in small groups is strongly encouraged in this course.

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

Freshman Learning Resource Center: In addition to your teacher, who is your main source of information and help for this course, you may obtain valuable assistance from the following two programs directed by Mrs. Erfan at the Learning Resource Center in the First Year of Studies:

- **Tutoring Program:** Provides tutoring in small groups to all first-year students needing extra help for their classes. See your advisor to register for tutoring.
- **Collaborative Learning:** Students form small study groups (4-6) for discussing homework and other problems. See your advisor to register for a collaborative group.

Material on the web: Material related to this course can be found on the web under the address http://www.nd.edu/~rosen/math108

Secret for success: Have a positive attitude towards Mathematics and become an *active participant* inside and outside the class. Mathematics is not a spectator sport. To learn you have to participate!