

Mathematics 108, Calculus II for Business
Spring semester 1997
General Information

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

Teachers:

- **Section 1:** Alex. Himonas, DBRT 126, MWF 8:30-9:20 AM, Office in Math 356, Phone 631-7583, Office Hours Wednesday 11:00 AM-12:30 PM, and by appointment.
- **Section 2:** Brian Smyth, DBRT 126, MWF 11:45-12:35 PM, Office in Math 300B, Phone 631-6297, Office Hours Wednesday 4:00-5:30 PM, and by appointment.
- **Section 3:** Joachim Rosenthal, DBRT 126, MWF 9:35-10:25 AM, Office in Math 209, Phone 631-8370, Office Hours Wednesday 3:00-4:00 PM, and by appointment.
- **Section 4:** George McNinch, DBRT 126, MWF 12:50-1:40 PM, Office in Math 366, Phone 631-6505, Office Hours Monday 10:00-11:00 AM, Wednesday 9:00-10:00 AM, and by appointment.
- **Section 5:** Peter Cholak , DBRT 126, MWF 1:55-2:45 PM, Office in Math 223, Phone 631-6507, Office Hours Friday 3:00-3:50 PM, and by appointment.
- **Section 6:** Michael Weiss, DBRT 126, MWF 10:40-11:30 AM, Office in Math 207, Phone 631-5451, Office Hours Monday 3:00-4:00 PM, 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 most mathematical concepts are introduced through interesting business problems. Furthermore by using available computer technology, real life problems which may lead to non-trivial computations and graphics are considered. Familiarization of the students with current computer technology is another objective of Math 108. Numerical, symbolic and graphics programs are not only useful in solving math problems, they also suggest that in teaching and learning mathematics, more emphasis should be placed on understanding the concepts, the methods, and the modeling of real life problems into mathematics.

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 two Midterm Exams, during class time, and a Final Exam. The dates for the Exams are:

- Exam 1 February 18, Tuesday, 8:00-9:15 AM.
- Exam 2 April 8, Tuesday, 8:00-9:15 AM.
- Final Exam May 8, Thursday 1:45-3:45 PM.

Quizzes: There will be a 10 min. quiz every Monday based on the material taught the week before. At the end of the semester the quiz with the lowest score will be dropped and no make up quizzes will be given. **Take the quiz very seriously.** It tells you and your teacher if you have a basic understanding of the material discussed the previous week. It will also prepare you for the Exams. In addition it counts as much as a **third Midterm Exam.**

Homework: It will be assigned every classday and it will be due in the next classday. 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. Moreover, it counts as 50% of a Midterm Exam.

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
- Quizzes 100 points
- Homework 50 points
- 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 before April 25.

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 three 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.

- **Mathematics Workshops:** Math. Workshops are help sessions which do **not** require regular attendance. The workshop for **Math 108 is on Sunday 6:15-8:15 PM.**

- **Collaborative Learning:** Students form small study groups (4-6) for discussing homework and other problems. See your advisor to register for a collaborative group.

Positive attitude: 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!