Department of Mathematical Sciences Fall 2001
Carnegie Mellon University

21-121 Calculus 1 (IM/Econ) MWF 12:30, MM 103

Instructor: Mikil Foss
Office: WeH 6102
Phone: 268-3546
e-mail: foss@andrew.cmu.edu
Office Hours: W 2:30-4:30 or by appointment

Textbook: Calculus, *Early Transcendentals*, J. STEWERT (4th Edition)

Course Content: Chapters 1–6, Section 7.1, and some supplementary material regarding applications to business and economics

Exams: There will be 4 one-hoour exams throughout the semester and a final exam. All exams are **closed-book** and **closed-notes**. **No calculators** may be used during the exams. Make-up exams will only be given in the case of a documented medical excuse, a university sanctioned absence (e.g., participation in a varsity sporting event), or an "emergency". The TA's cannot give permission to miss an exam. Make-up exams may be oral. The final exam will be given during the 3-hour exam period scheduled for this course.

Homework: Homework assignments will be given every Wednesday in lecture and collected Thursday the following week in recitation. There will be a total of 14 homework assignments given. Assignments must be submitted on time; late assignments will not be collected.

Recitation: Each student has been assigned a recitation that meets twice a week. These sections will primarily be used to provide an informal setting to discuss material from the lecture, present additional examples, and to collect, return, and discuss the homework assignments. Recitations will occasionally be used to introduce new material.

Grades: A score, between 0 and 100, for the course will be computed for each student using the following scheme:

10% – average of 12 best homework scores
60% – average of 3 best one-hour exam scores
30% – final exam score.

Students with a score of 90 or above are guarenteed to receive an A for the course; students with a score of 80 or above are guarenteed to receive a B; students with 70 or above are guarenteed to receive a C; students with a score of 60 or above are guarenteed to receive a D.

Lecture Schedule:

Week 1– August 27 through August 31

Lecture Coverage: Sections 1.1, 1.2, 1.3, 2.1, 2.2

Week 2– September 3 through September 7

No lecture on September 3;

Lecture Coverage: Sections 2.2, 2.3, 2.5

Week 3– September 10 through September 14

Lecture Coverage: Sections 2.7, 2.8, 2.9

Week 4– September 17 through September 21

Lecture Coverage: Sections 3.1, 3.2, 3.3

Week 5– September 24 through September 28

Test 1 will be given in lecture on Friday, September 28, 2001;

Lecture Coverage: Sections 3.4, 3.5, 3.6

Week 6– October 1 through October 5

Lecture Coverage: Sections 3.6, 3.7, 3.8, 3.9

Week 7– October 8 through October 12

Lecture Coverage: Sections 3.10, 3.11, 4.1

Week 8– October 15 through October 19

Test 2 will be given in lecture on Wednesday, October 17, 2001;

No lecture on October 19;

Lecture Coverage: Section 4.2

Week 9– October 22 through October 26

No lecture on October 22;

Lecture Coverage: Sections 4.3, 2.2, 2.6

Week 10– October 29 through November 2

Lecture Coverage: Sections 4.5, 4.7, 4.8

Week 11– November 5 through November 9

Lecture Coverage: Sections 4.8, 4.10, 5.1

Week 12– November 12 through November 16

Test 3 will be given in lecture on Friday, November 16, 2001;

Lecture Coverage: Sections 5.2, 5.3

Week 13– November 19 through November 23

No lecture on November 21 and November 23;

Lecture Coverage: Section 5.4

Week 14– November 26 through November 30

Lecture Coverage: Sections 5.5, 5.1, 5.2

Week 15– December 3 through December 7

Lecture Coverage: Sections 6.3, 6.5, 7.1

Week 16– December 10

Test 4 will be given in lecture on Monday, December 10, 2001