CALCULUS - Math 21

Fall 1997

PROFESSORS and TEACHING ASSISTANTS. Below are the names, offices, phone numbers and e-mail addresses of the professors and teachng assistants. During the first week of classes, each will announce the times designated as office hours.

Lecturer/T.A.	Office	Phone	e-mail
M. Jacobsen	XS-218	8-3747	mhj2
T. Napier	XS-339	8-3755	tjn2
W. Schiesser	XS-106	8-4264	wes1
L. Stanley	XS-335	8-3723	ljs4
S. Szczepanski	XS-340	8-3727	ss08
T. Bowers	XS-306	8-3757	tib3
J. Carroll	XS-310	8-4617	jac8
E. Kyle	XS-312	8-4707	emk6
B. Olszewski	XS-309	8-3740	beo2
D. Palmieri	XS-311	8-3738	dvp2

TEXT and MATERIALS. The text for this course is *Calculus–Early Transcendentals* , third edition, by James Stewart, Chapters 1-6.

Students may find the supplementary text *Discovering Calculus with Maple*, second edition, by Kent Harris and Robert J. Lopez, a useful aid for the written assignments involving the computer algebra system, MAPLE.

COURSE FORMAT. The course consists of three 50-minute lectures (Monday, Wednesday and Friday) and one 50-minute recitation meeting (Tuesday or Thursday) per week. Each lecture will focus on one or two sections of the text as listed on the assignment sheet. **Reading assignments should be completed prior to the lecture.** The recitation classes will be devoted to discussion of the homework exercises, written assignments and quizzes as well as elaboration of material introduced in lectures.

Quizzes may be given in lecture or recitation and may be unannounced. These quizzes will emphasize material from recent homework exercises and reading assignments.

ATTENDANCE. Lectures and recitations are vital components of this course. Students are required to attend each lecture and recitation. Attendance will be taken in each lecture and recitation. Students who fail to attend class or fall behind in their work will be sent a **Section-3 Report** and/or a **Mid-Semester Report of Failing Grade**. Students receiving **two** Section-3 Reports can be dropped involuntarily from the course.

READING ASSIGNMENTS. Reading assignments are listed on the assignment sheet. It is strongly recommended that students read the assignment at least twice, once

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before and once after the corresponding lecture. Students are responsible for material in the reading assignments even though the material may not be explicitly discussed in the lecture.

HOMEWORK EXERCISES and WRITTEN ASSIGNMENTS. For each lecture, **homework exercises** are listed on the assignment sheet. These exercises should be completed by the student prior to the next lecture session. These homework exercises will be collected, graded and used as a source of quiz problems. Typically, three to five problems will be carefully read and graded and each assignment will be checked for completeness. **Homework exercises from the previous week (WED-FRI-MON) are to be handed in at the beginning of the lecture on the subsequent FRIDAY**.

There will be five **written assignments** which will be submitted for grading. Some of the problems will require the use of the computer algebra system, MAPLE. Introductory sessions (for MAPLE) will be conducted during the first two weeks of classes in recitation. **Written assignments are to be handed in at the beginning of the class on the date indicated on the assignment.**

Material submitted after the beginning of the lecture period and up to 24 hours after that time will be considered one day late, and so forth. **Homework exercises and written assignments submitted late will be graded and then 20 % will be deducted for each day late.**

In extraordianry circumstances, work may be handed in late without penalty. The circumstances must be verifiable, fully documented and acceptable to the professor. Such late submissions must be discussed with the professor at the earliest possible opportunity.

Work submitted for grading will not be accepted unless it is neat, well-organized and includes a cover sheet with the following information:

NAME
ID NUMBER
DATE
ASSIGNMENT
RECITATION SECTION

COMPUTERS AND CALCULATORS. Students will be introduced to the computer algebra system, MAPLE, in this course. Besides the written assignments, some of the homework assignments require the use of MAPLE or a scientific or graphing calculator. These exercises in the textbook are clearly indicated by the use of three icons: a blue calculator, a red graph and a yellow CAS symbol. Except for exercises so designated, students are **not** permitted to use computers or calculators to complete the homework problems. Students may use a computer or calculator to "check" arithmetic or some computation. The use of calculators will not be permitted during examinations and quizzes.

COLLABORATION. Students are encouraged to discuss the course, homework exercises and written assignments with one another. Indeed, this may be the most effective method of learning. However, all work submitted in a student's name must be his or her own. **Students are strictly forbidden to copy another's homework exercises or written assignments and submit them as their own. Students are also strictly forbidden to allow another student to copy their work.** All cases of copying will be referred to the professors who in turn may submit the case to the University Committee on Discipline. The penalties for those found guilty can be severe.

Students who wish to work in **pairs** on the written assignments may do so with the permission of the professor. The two students must be in the same lecture section and must sign an **Intention to Collaborate Agreement.** Collaborating teams must agree to work together on all five assignments. A collaborating team can only be dissolved in extraordinary circumstances and only with the permission of the professor. The team should submit one copy of the completed assignment together with a signed copy of the **Collaboration Agreement.**

This is the only form of collaboration that will be accepted.

QUIZZES and EXAMS. Weekly quizzes will be based upon the homework exercises, reading assignments and lectures. These quizzes will be given in lecture or recitation and may be unannounced. The procedure may vary from one lecture section to another. **No make-up quizzes will be given.** However, approximately twelve quizzes will be given and a student's ten best scores will be used to determine the quiz grade.

There will be two 4 O'CLOCK examination. These are scheduled on the following days.

Tuesday, September 30, 1997 at 4:10 PM
Tuesday, November 11, 1997 at 4:10 PM

Exam locations will be announced during the week preceding to the exam.

Make-up exams will be given only to those students who miss the exam due to extraordinary circumstances. The circumstances must be verifiable, fully documented and acceptable to the instructor. Requests for make-up exams must be discussed with the instructor at the earliest possible opportunity.

The final examination will last three hours and will cover all material presented during the semester. Final examination will be scheduled sometime during the Examination Period, December 9 through 17.

GRADING. The graded components of the course contribute to the final grade as follows:

100 points	Homework Exercises
100 points	Weekly Quizzes
100 points	Written Assignments
300 points	Hour Exams (2) 150 points each
300 points	Final Exam
900 points	TOTAL

Students with a course average of at least 90% will earn a final grade of A- or A. Students with a course average of at least 80% but less than 90% will earn a final grade of B-, B, or B+.

Students with a course average of at least 70% but less than 80% will earn a final grade of C-, C or C+.
Students with a course average of at least 60% but less than 70% will earn a final grade of D-, D or D+.
Students with a course average of less than 60% will earn a final grade of F.

COMMUNICATION. The campus network provides a very efficient method of communication. Announcements concerning "due dates" for assignments, review sessions before exams, helpful hints for written assignments, etc. are often sent electronically. Students should check their **e-mail** often (at least daily) for infomation relevant to Math 21. Also, many students have found the campus network a convenient means for asking questions or seeking advice from professors and teaching assistants.