Syllabus for Math 116 Fall 2003

Prerequisite: Students in math 116 need a strong understanding of all concepts covered in math 115, as well as an excellent command of algebra and some knowledge of trigonometry.

Time and Place: 9:10-10:10 am Monday-Friday in room 552 Snow

Instructor: Alix Botts

Instructor contact info: Please feel free to e-mail me or come to my office with calculus questions.

e-mail: quistis@ku.edu

Office: 303 Snow

Office hours: TBA Of course, you are welcome to make an appointment, preferably by e-mail. I am also willing to answer questions by e-mail.

Text: Applied Calculus for the Managerial, Life, and Social Sciences, 5th ed. by S.T. Tan

Webpage: www.geocities.com/alixbotts

Caveats: This class moves quickly, and there will be little time for review. Students who have not taken the prerequisite courses recently will need to review skills from algebra, trigonometry, and math 115 outside of class. Of course, I am available to help students outside of class with review material as well as 116 materials.

As in most college courses, reading and understanding the assigned sections in the text is vital to your success, as is working all assigned or suggested problems. Lecture time will be used to highlight important concepts and work representative problems, but *not all course material will be presented in lecture.*

Note that your questions about lecture or text material are always welcome in class. I encourage you to read the sections and work the problems in a timely fashion so that we can spend class time discussing topics students find most difficult.

Schedule and Content: see class schedules on web page

Grading criteria and procedures:

Exams (non-comprehensive):

Note: at this point in your academic career, I am sure you are aware that no exam in mathematics is truly "non-comprehensive"! When I refer to an exam as non-comprehensive, I mean that I will not explicitly try to write questions over material from sections you have already been tested over. However, the skills you learn in one section may well be applied and/or expanded on in later sections. Exams will reflect the interrelated and continuous nature of the subject.

All exams, except the comprehensive final, will be given in the regular classroom during the usual class time.

I will not give make up exams. You are allowed to miss one non-comprehensive exam. The score recorded for the missed exam will be the average of your other exam scores. The weighing of the non-comprehensive exams is as follows:

Exam I: 10%
Exam II: 10%
Exam III:10%
Exam IV: 10%

Comprehensive final exam:

Part 1: concepts and skills 15%
Part 2: applications 15%

Both part 1 and part 2 will be taken during your scheduled final exam period. The format of the final exam will be multiple choice.

Quizzes: Quizzes will be given at the beginning of each class unless otherwise specified. During the quiz, you may look at any notes you have taken, or any problems you have worked. You may not use any textbook. I will allow you to use your calculator on some but not all quizzes. Quiz questions will be similar to assigned or suggested problems from the book, or examples worked in lecture. No make up quizzes will be given. Your lowest two quiz grades will be dropped in the calculation of your overall quiz score. Quizzes will be weighted 20% of your overall grade.

Homework: Homework assignments and their due dates will be posted on the web page throughout the semester. No late homework assignments will be accepted. Your lowest homework score will be dropped in the calculation of your overall homework grade.

Homework assignments should be clear and neat, with all work shown in a manor that is easy for the grader to follow. Please staple your paper. Please include your name, the date, the class you are in, and the assignment at the top of the first page of each assignment.
(Example:
Jay Hawk
Math 116
4-23-02
section 3.3: 1, 2, 3
section 3.4: 5, 17, 39
section 3.6: 7, 25, 62)

One or two homework problems will be graded from each section.

Homework will be weighted 10% of your overall grade.

In class problem sets: Occasionally, you will work problems in class in groups. You will be graded on your participation in these activities. Your overall grade for in class problem solving will be counted as one homework score. In class problem solving activities may not be made up for any reason.

Calculators: A TI-83 is recommended for this course. You may be required to use a graphing calculator on some exams, quizzes, or homework problems. No calculators with symbolic manipulation capabilities are allowed on exams or quizzes. This policy includes the TI-92 and TI-89. If you are not sure whether or not your calculator has symbolic manipulation capabilities, come ask me. Any attempt to use a calculator with symbolic manipulation capabilities (or a palm pilot or other handheld computer) on an exam or quiz will be construed as academic dishonesty.

Web page:
No in class handouts will be handed out in class ☺ Instead, homework assignments and other class information will be posted on the web page. You will need Adobe Acrobat reader to view course materials. The program is a free download, and there is a link on the web page where you can download it.

Disclaimers:

Any student who plans to observe a religious holiday that conflicts with the requirements of this course should come see me as soon as possible to discuss accommodations.

Any student with a disability that may prevent accurate assessment of his or her performance in this course should come see me immediately to discuss accommodations.

I reserve the right to modify the schedules, procedures, and grading criteria announced in the syllabus and any other written course materials. Any such changes will be announced in class. It is your responsibility to keep informed of such changes.

It is your responsibility to be informed of the university's academic dishonesty policy, which will be strictly enforced in this class.