

ENGINEERING CALCULUS II

INFORMATION SHEET

INSTRUCTOR: Dr. Philip B. Yasskin
 OFFICE: Blocker 620 I
 OFFICE HOURS: TR 1:00-2:00 in BLOC 620 I or by appointment
 OFFICE PHONE: 845-3734
 MESSAGES: 845-3261 LEAVE YOUR PHONE NUMBER!
 E-MAIL: yasskin@math.tamu.edu
 Web Page: <http://www.math.tamu.edu/~yasskin/>
 CLASSES: both sections TR 2:20-3:10 in HELD109
 513 MWF 9:10-10:00 in SCC 210F
 514 MWF 10:20-11:10 in SCC 210F
 REQUIRED WEBTEXT: *WebCalc: Calculus*, Allen, Stecher, Yasskin
 SOFTWARE: *Scientific Notebook*
 COURSE URL: <http://www.academicsolutions.com/webcalc2/mindex.tex>

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	Ch. 1-3,5,7-11,I34,I35	150	2/17 7:30-9:30 PM
EXAM 2	Ch. 4,6,10b,13-19	150	3/23 7:30-9:30 PM
EXAM 3	Ch. 20,21,I5,I15	200	4/25 7:30-9:30 PM
FINAL	All	250	5/10 1:00-3:00 PM in HELD109
HW/Quiz		250	
TOTAL		1000	

I may *curve* any grade or the total and will then compute the course grade from the following table:

A=	900-1000 points	D=	600-699 points
B=	800-899 points	F=	0-599 points
C=	700-799 points		

- * DESCRIPTION: This is a second course in calculus for engineering majors and covers chapters 1 through 21 of *WebCalc: Calculus II* and chapters 5,15,34 and 35 of *WebCalc: Calculus I*. This includes techniques and applications of integration, differential equations, sequences and series, vectors and parametric curves. The material will be read from the internet using the math wordprocessor called *Scientific Notebook*.
- * CATALOGUE DESCRIPTION: 152. Engineering Mathematics II. (3-2). Credit 4. I, II, S
 Differentiation and integration techniques and their applications (area, volumes, work), improper integrals, approximate integration, analytic geometry, vectors, infinite series, power series, Taylor series, computer algebra (Maple). Prerequisite: MATH 151 or equivalent.

OTHER POLICIES

1. All students must work independently on all assigned work, unless explicitly stated otherwise.
2. HOMEWORK will be assigned and collected. Late homework will NOT be accepted.
3. QUIZZES will be given in class and may not be announced. There will be NO make-ups for quizzes.
4. Homework and Quizzes will each count equally. The lowest two homework or quiz grades will be dropped. The remaining grades will be averaged and then rescaled to 250 points.
5. MAKE-UPS for MAJOR EXAMS will be given only in case of an absence authorized under University Regulations. You will need a note from your doctor or your academic advisor. If you know in advance that you will miss an exam, please contact me so that you can take the make-up in advance. If you have trouble reaching me, leave a message with the Math department secretaries (845-3261) and be sure to leave your phone number.
6. ATTENDANCE is REQUIRED. Attendance will be taken in lecture. If you sign the roll sheet, you are expected to remain in the classroom for the entire 50 minutes. More than 2 absences may have a detrimental effect on your grade especially in borderline cases.
7. You may be asked to provide multiple choice SCANTRON forms. You must have your ID with you at all exams. You MAY use a CALCULATOR during part of the common exams.
8. © COPYRIGHT Philip B. Yasskin 2000. All material handed out or written on the board or spoken in class or posted on a computer is copyrighted by the instructor. This includes but is not limited to the text, syllabi, homework, quizzes, additional problem sets, in-class materials and exams. Because these are copyrighted, neither you nor anyone else has the right to copy them unless I expressly grant permission. You may print a single copy for your own use, no multiple copies.
9. PLAGIARISM: As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In according with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for plagiarism destroys the trust among colleagues without which research cannot be safely communicated. See the Student Rules under the section "Scholastic Dishonesty."
10. The NATURE of WEBCALC
WebCalc is a calculus course taught via the World Wide Web using the software package *Scientific Notebook*. This software is a combined word processor, computer algebra system (Maple) and web delivery system. Your main entry to the course is through *Scientific Notebook* by opening the location <http://www.academicssolutions.com/webcalc2/mindex.tex>
Scientific Notebook is available on any of the public access PC computers on campus. It is not available for Mac or Unix computers. It may be purchased at the bookstore for about \$70. Each week you will be assigned several sections to read in class on MWF and finish at home. Each section has many examples and exercises fully worked out and an extensive problem set with answers. You must use pencil and paper to work out these problems. There are also many notes which will pop up and give extra information, sometimes historical but often adding important information to the topic discussion. Try clicking on anything in a box or underlined. If you have questions, and I am sure you will, talk to your neighbors or call the instructor or teaching assistant over to your computer to discuss it. On TR there will be problem sessions during which you can ask questions, will take quizzes and will hear an introduction to the coming week's material. Specific homework problems will be assigned daily and at least once a week you will have a quiz on that week's material.