

MATH 152H
Sections 201-202

ENGINEERING CALCULUS II, HONORS
INFORMATION SHEET

Spring 2001
P. Yasskin

INSTRUCTOR: Dr. Philip B. Yasskin
OFFICE: Blocker 620 I
OFFICE HOURS: MR 1:00-2:00 in BLOC 620 I or by appointment
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CLASSES: both sections MWF 10:20-11:10 in BLOC 131
201 TR 8:00-8:50 T in BLOC 125 R in HRBB 126
202 TR 2:20-3:10 T in BLOC 126 R in ZACH 105

REQUIRED TEXT: *Calculus, Early Vectors*, Stewart with A&M
REQUIRED WEBTEXT: *WebCalc: Calculus*, Allen, Stecher, Yasskin
REQUIRED LAB MANUAL: *Single Variable CalcLabs with Maple*, Boggess et.al.
SOFTWARE: *Maple 6, Scientific Notebook*
COURSE URL: <http://www.academicsolutions.com/webcalc2/mindex.tex>

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	S to 8.4, WC 1-3,5,7-11,I34	100	R 2/15 7:30-9:30 PM
EXAM 2	S to 10.1, WC 4,6,10b,13-15	100	R 3/22 7:30-9:30 PM
EXAM 3	S to 11.3, WC 16-23	100	T 4/24 7:30-9:30 PM
FINAL	All	200	T 5/8 8:00-10:00 AM in BLOC 131
Project 1		50	To be announced
Project 2		50	To be announced
HW, Quiz, etc.		150	To be announced
TOTAL		750	

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

A= 675-750 points C= 525-599 points F= 0-449 points
B= 600-674 points D= 450-524 points

- * DESCRIPTION: This is the honors section of the second course in calculus for engineering majors and covers sections 7.1-11.4 of Stewart's *Calculus* or chapters 1-23 of *WebCalc 2* and chapter 34 of *WebCalc 1*. This includes techniques and applications of integration, differential equations, sequences and series, and 3D vectors. The *WebCalc* material will be read from the internet using the math wordprocessor called *Scientific Notebook*. You will learn to do computer algebra using both *Scientific Notebook* and *Maple*.
- * 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. QUIZZES will be given in class and may not be announced. There will be NO make-ups for quizzes.
3. There may be some additional HOMEWORK assignments. Late homework will NOT be accepted.
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 150 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. 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. The policy on CALCULATORS during the common exams will be announced before each exam.
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.academicsolutions.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 \$99. 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. In lecture, you can and should ask questions, you will take quizzes and will hear an introduction to the coming days' material.