

ENGINEERING MATHEMATICS III
INFORMATION SHEET

INSTRUCTOR: Dr. Philip B. Yasskin
 OFFICE: Blocker 620 I
 OFFICE HOURS: MR 2:00-3:00 in BLOC 620 I or by appointment
 OFFICE PHONE: 845-3734
 MESSAGES: 845-3261 LEAVE YOUR PHONE NUMBER!
 E-MAIL: yasskin@math.tamu.edu LEAVE YOUR PHONE NUMBER!
 Web Page: <http://www.math.tamu.edu/~yasskin/>

LECTURE: MWF 10:20-11:10 BLOC 131
 LABS: 504: 8:00-8:50 T RICH 207 R BLOC 130
 505: 2:20-3:10 T ENPH 212 R BLOC 125
 506: 11:10-12:00 T ENPH 212 R BLOC 127

REQUIRED TEXTS: Stewart – Calculus, Early Vectors Edition
 Yasskin & Belmonte – Multivariable CalcLabs with Maple
 RECOMMENDED TEXTS: Yasskin, et.al. – Single Variable CalcLabs with Maple
 SOFTWARE: Maple 9 or 8 with the VecCalc package

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	Ch. 11, 12a	100	Wed 9/29
EXAM 2	Ch. 12b	100	Wed 10/29
EXAM 3	Ch. 13, 14a	100	Mon 11/24
FINAL	Ch. 11 – 14	200	Tue 12/16 8-10 in BLOC 131
Project 1		50	To Be Announced
Project 2		50	To Be Announced
Maple Quiz		50	To Be Announced
HW/LAB/QUIZ		100	
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	D= 450-524 points
B= 600-674 points	F= 0-449 points
C= 525-599 points	

- * DESCRIPTION: This is a third course in calculus for engineering majors and covers chapters 11 through 14 of the Early Vectors Edition of Stewart. In addition we will use the symbolic computer language called MAPLE and the math wordprocessor called Scientific Notebook. You will learn to program in both of these systems.
- * CATALOGUE DESCRIPTION: 253. Engineering Mathematics III. (3-2). Credit 4. I, II, S Vector calculus; calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, Green's and Stokes' theorems. Prerequisite: MATH 152 or equivalent.

OTHER POLICIES

1. HOMEWORK will be announced and collected in lecture or lab. Late homework will NOT be accepted.
2. QUIZZES may be given in lecture or lab and may not be announced. There will be NO make-ups for quizzes.
3. LAB REPORTS will be collected at the lab period one week after the lab. Late lab reports will NOT be accepted. On lab reports, students will work in pairs. Each pair will turn in one lab report and receive one grade.
4. Homework, quizzes and lab reports will each count equally. The lowest two grades will be dropped. The remaining grades will be averaged and then rescaled to 100 points.
5. PROJECT REPORTS will be collected at a designated class period. Late project reports will NOT be accepted. On projects, students will normally work in groups of four. Each group will turn in one project report and receive one grade. If you wish to develop your own project by yourself or with a small group, you will need the instructor's approval and help.
6. 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.
7. ATTENDANCE is REQUIRED. Attendance will be taken in lecture and lab. 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.
8. You may be asked to provide multiple choice SCANTRON forms. You must have your ID with you at all exams. You MAY use a simple CALCULATOR during exams but NO PROGRAMMABLE, GRAPHICS or ALGEBRAIC CALCULATORS and NO LAPTOP COMPUTERS. You will use the COMPUTER during the Maple Quiz.
9. COPYRIGHT Philip B. Yasskin 2003. 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 syllabi, homework, quizzes, labs, 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.
10. PLAGIARISM. As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance 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."