

ENGINEERING MATHEMATICS III
INFORMATION SHEET

INSTRUCTOR: Dr. Philip B. Yasskin
 OFFICE: Blocker 620 I
 OFFICE HOURS: MTR 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 LEAVE YOUR PHONE NUMBER!
 Web Page: <http://www.math.tamu.edu/~yasskin/>

LECTURE: MWF 10:20-11:10 in BLOC 131
 LABS: 201: T 8:00-8:50 CE 219 R 8:00-8:50 BLOC 126
 202: T 2:20-3:10 ENPH 205 R 2:20-3:10 BLOC 126

REQUIRED TEXTS: Stewart – Calculus, Early Vectors Edition
 Belmonte & Yasskin – Multivariable CalcLabs with Maple

RECOMMENDED TEXTS: Barrow, et.al. – Single Variable CalcLabs with Maple

SOFTWARE: Maple 8
 Scientific Notebook

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	Ch. 11,12a	100	To Be Announced
EXAM 2	Ch. 12b,13	100	To Be Announced
EXAM 3	Ch. 14	100	To Be Announced
FINAL	Ch. 11 – 14	200	Tue 12/17 8-10 in BLOC 131
Project 1		50	To Be Announced
Project 2		50	To Be Announced
Project 3		50	To Be Announced
Computer Quiz		50	To Be Announced
LAB/QUIZ		100	To Be Announced
TOTAL		800	

I may $\{ \backslash \}$ curve any grade or the total and will then compute the course grade from the following table:

A= 720-800 points	D= 480-559 points
B= 640-719 points	F= 0-479 points
C= 560-639 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 not be collected.
2. **QUIZZES** will 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. Quizzes and lab reports will each count equally. The lowest two quiz or lab report 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. 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 Computer Quiz.
9. **COPYRIGHT** Philip B. Yasskin 1999. 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."