

MATH 253H
Sections 201/202

ENGINEERING CALCULUS III Honors
SYLLABUS

Fall 2014
P. Yasskin

INSTRUCTOR: Dr. Philip B. Yasskin
OFFICE: Blocker 620 I
OFFICE HOURS: MR 2:45-3:45 in BLOC 620 I or by appointment
OFFICE PHONE: 845-3734
E-MAIL: yasskin@math.tamu.edu GIVE YOUR PHONE NUMBER!
Web Page: <http://www.math.tamu.edu/~yasskin/>
LECTURE: TR 9:35-10:50 CE 223
201 LAB: M 10:20-11:10 CHEM2122 W 10:20-11:10 BLOC 133
202 LAB: M 12:40-1:30 HRBB 113 W 12:40-1:30 BLOC 133
TA: Spencer Patty <srobertp@gmail.com> BLOC 505E
REQUIRED TEXTS: Stewart – Calculus, Early Vectors Edition
Yasskin et al – CalcLabs with Maple for Multivariable Calculus

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	Ch. 11, 12	200	Night Exam, To Be Announced
EXAM 2	Ch. 13, part of 14	200	Night Exam, To Be Announced
FINAL	Ch. 11 – 14	300	Fri 12/7 12:30 - 2:30 in HELD 107
ON-LINE HW		50	
QUIZZES and LABS		100	
Honors Projects		150	
TOTAL		1000	

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

A≥90% B≥80% C≥70% D≥60% F below

- * ADDITIONAL INFORMATION: See the Department 253 Home Page
<http://www.math.tamu.edu/courses/math253/> for information on Help Sessions, etc.
- * CATALOG DESCRIPTION: 253. Engineering Mathematics III. (3-2). Credit 4. Vector algebra; calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems, computer algebra. MATH 221 designed to be a more demanding version of this course. Prerequisite: MATH 152 or equivalent.
- * COURSE OBJECTIVES: This is the honors third course in calculus for engineering majors and covers chapters 11 through 14 of the Early Vectors Edition of Stewart. This includes limits, differentiation and integration in several variables, a study of curves and surfaces and the Fundamental Theorems of Vector Calculus. Many topics will be covered in n-dimensions.

OTHER POLICIES

1. ON-LINE HOMEWORK will be assigned from the WebAssign Homework system. Login information is at <http://www.math.tamu.edu/courses/eHomework/>. Late HOMEWORK will NOT be accepted. Rather, the lowest 5 ON-LINE HOMEWORK grades will be dropped. The remaining grades will be averaged and then rescaled to 50 points.
2. QUIZZES will be given in lecture or lab and will not be announced or will be given as Take-Home QUIZZES.
3. LABS will be assigned in lab and will be due one week later. Students will do labs in pairs.
4. QUIZZES and LABS will each count equally. There will be NO make-ups for QUIZZES. Late Take-Home QUIZZES will NOT be accepted. Late LABS will not be accepted. Rather, the lowest one quiz or lab will be dropped. The remaining grades will be averaged and then rescaled to 100 points.
5. Honors Projects will be done individually or in groups. They will be announced in lecture or lab and due as announced.
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 dean's office. 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 email me, *be sure to include your phone number*.
7. ATTENDANCE is REQUIRED. Attendance will be taken. If you sign the roll sheet, you are expected to remain in the classroom for the entire 75 minutes. More than 2 absences may have a detrimental effect on your grade especially in borderline cases.
8. You must have your ID with you at all exams. You MAY use a SIMPLE CALCULATOR during exams but NO PROGRAMMABLE, GRAPHIC or ALGEBRAIC CALCULATORS; NO PHONES or TABLETS and NO LAPTOP COMPUTERS.
9. © COPYRIGHT Philip B. Yasskin 2014. 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, class notes, 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. ACADEMIC INTEGRITY STATEMENT: "An Aggie does not lie, cheat, or steal or tolerate those who do." Copying work done by another, either in-class or out of class, and passing it off as one's own, even with permission of that person, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. Typing notes/formulas into your calculator is also considered cheating. For more information on university policies regarding scholastic dishonesty, see Honor Council Rules and Procedures at <http://aggiehonor.tamu.edu/>
11. ADA POLICY STATEMENT: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>.
12. COURSE SYLLABUS: Since I do not cover the material in the same order as the textbook, a rough syllabus is at <http://www.math.tamu.edu/~yasskin/curreclas/253H.14c/syllabus.pdf> and on the next page: