

MATH 251
Sections 511/512

ENGINEERING CALCULUS III
SYLLABUS

Fall 2015
P. Yasskin

INSTRUCTOR: Dr. Philip B. Yasskin
OFFICE: Blocker 620 I
OFFICE HOURS: MR 1:45-3:00 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: 511: TR 9:35-10:50 HELD 107
512: TR 11:10-12:25 HELD 107
REQUIRED TEXT: Stewart – Calculus, Early Vectors Edition
INSTRUCTOR NOTES: <http://www.math.tamu.edu/~yasskin/webcalc/3/mcontents.tex>
Requires Scientific Notebook, NOT a browser

GRADING:	COVERS:	POINTS:	DATES:
EXAM 1	Ch. 11, 12	200	Mon 10/12 7:30-9:30 CHEM 100
EXAM 2	Ch. 13, part of 14	200	Night Exam, To Be Announced
FINAL	Ch. 11 – 14	300	511: Fri 12/11 12:30 - 2:30 in HELD 107 512: Fri 12/11 3:00 - 5:00 in HELD 107
ON-LINE HW		50	
QUIZ		50	
TOTAL		800	

I may *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	

- * ADDITIONAL INFORMATION: See the Department 251 Home Page
<http://www.math.tamu.edu/courses/math251/> for information on Help Sessions, etc.
- * CATALOG DESCRIPTION: 251. Engineering Mathematics III. (3-0). Credit 3. Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems. MATH 221 designed to be a more demanding version of this course. No credit will be given for more than one of MATH 221, MATH 251 and MATH 253. Prerequisite: MATH 148, MATH 152, or MATH 172.
- * LEARNING OUTCOMES: This is a third course in calculus for engineering majors and covers chapters 11 through 14 of the Early Vectors Edition of Stewart. Students will be able to differentiate and integrate in several variables, understand curves and surfaces and the Fundamental Theorems of Vector Calculus.

OTHER POLICIES

1. An alternate text, WebCalc 3, written by the instructor, is accessible only using Scientific Notebook which is available at all University Open Access Labs and on <https://voal.tamu.edu/>
2. 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.
3. QUIZZES will may be given in lecture but will not be announced or will be given as Take-Home QUIZZES. Each QUIZ will count equally. There will be NO make-ups for QUIZZES. Late Take-Home QUIZZES will NOT be accepted. Rather, the lowest one quiz will be dropped. The remaining grades will be averaged and then rescaled to 50 points.
4. 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.*
5. ATTENDANCE is REQUIRED in accordance with University Rules posted at <http://student-rules.tamu.edu/rule07>. 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.
6. 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.
7. © 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.
8. ACADEMIC INTEGRITY STATEMENT: "An Aggie does not lie, cheat, or steal or tolerate those who do." For information on university policies regarding scholastic dishonesty, see Honor Council Rules and Procedures at <http://aggiehonor.tamu.edu/>
9. 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>.
10. 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/currclas/251.15c/schedule.pdf>