

Course Syllabus
MTH 244: Calculus III (4 credit hours)
Spring 2008

Instructor: Dr. John Alford

Class Meeting Time: MW 10:00-10:50, TT 9:30-10:50

Class Meeting Place: LDB 401

Office: LDB 414

Phone: 294-4663

E-mail: jalford@shsu.edu

Web: <http://www.shsu.edu/~jga001>

Office Hours: Mon: 1:00-2:00; Tues, Thurs: 11:00-12:00

Objective: In this course the student is expected to obtain an understanding of the following:

- Vectors and geometry of space
- Vector valued functions and motion in space
- Partial derivatives
- Multiple integrals
- Integration in vector fields
- Linear inequalities in one and two variables

Description: This course includes the study of the calculus of functions of several variables and topics in vector calculus including line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem. The pre-requisite for this class is Math 143 with a grade of *C* or better.

Textbook: *Thomas' Calculus (with Early Transcendentals)*, Eleventh edition, Thomas /Weir /Hass /Giordano

Exams, Quizzes/Homework, Final Exam, and Grade:

Class assignments, practice exams, and announcements will be posted on a web-page at:

<http://www.shsu.edu/~jga001/Math242.html>

There will be **3 exams, multiple quizzes/homework, and a final exam**. Only under very special circumstances (e.g. hospital stay) will you be allowed to make-up exams or quizzes/homework. You will get 0 points for any exam or quiz that you miss. The lowest exam grade and two lowest quiz grades will be dropped. The weights are:

Exam average 60% (30% each, drop the lowest)

Quiz/homework average 10% (drop the two lowest),

Final exam 30%.

ALSO: If your final exam grade is higher than your exam average (after dropping the lowest exam), then I will replace the smaller of the two exam grades used to determine your exam average with your final exam grade.

$$\text{FINAL CLASS AVERAGE} = (\text{HW} + 6*\text{EX} + 3*\text{FN})/10$$

HW= homework/Quiz average, EX=exam average, FN=final exam grade

EXAMPLE: FINAL CLASS AVERAGE COMPUTATION

Homework Grades= 82, 78, 92, 63 ---- HW= (92+82)/2=87
Exam Grades= 74, 80, 68 ----- EX= (80+74)/2=77
Final Exam Grade ----- FN=86

FN>EX, so replace exam grade 74 with 86.

New Exam Average ---- EX= (80+86)/2=83

$$\text{FINAL CLASS AVERAGE} = (87 + 6*83 + 3*86)/10 = 84$$

The grading scale is standard:

- 90-100% **A**;
- 80-89%: **B**;
- 70-79%: **C**;
- 60-69%: **D**,
- 59% and below: **F**

No extra credit can be earned.

Cheating: Cheating will not be tolerated! Don't even think about it as the consequences are serious. This link will give you the specifics concerning SHSU's cheating policy:

http://www.shsu.edu/~vaf_www/aps/documents/810213.pdf

Calculator: A **minimum requirement** is a graphing calculator- TI recommended. Please note though: calculators with *computer algebra system* capabilities are not allowed in this class and some exams may include questions on which the graphing calculator will not be allowed.

Attendance Policy: You are expected to attend every class and be in class on time and prepared. I will do the same. If class must be missed, you should contact me ASAP as to why, get the notes from a classmate, and monitor the class web-page for the

announcements and updated assignment list. Regular attendance is essential and I will keep a record of your absences. Although your grade calculation will not depend your attendance rate, keep in mind that if I do my job as it should be done then those **students who attend class regularly will do the best**. (This is a theory that I have developed from observations over the years.)

Student Syllabus Guideline: You may find a more detailed description of the following policies. These guidelines will also provide you with a link to the specific university policy or procedure: <http://www.shsu.edu/syllabus/>

Academic Dishonesty: Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. See [Student Syllabus Guidelines](#).

Classroom Rules of Conduct: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and fellow students with respect. Students are to turn off all cell phones while in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination. Students may tape record lectures provided they do not disturb other students in the process.

Students with Disabilities: It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should visit with the Office of Services for Student with Disabilities located in the Counseling Center. See [Student Syllabus Guidelines](#)

Student Absences on Religious Holy Days: Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See [Student Syllabus Guidelines](#)

Visitors in the Classroom: Only registered students may attend class. Exceptions can be made on a case-by-case by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.