

Course Syllabus: Calculus III

Math 2440, Spring 2018

Location: LDB 400 (Lee Drain Building)
Time and Days: Monday, Wednesday: 10:00 a.m. – 10:50 a.m.
Tuesday, Thursday: 9:30 a.m. – 10:50 a.m.
Professor: Dr. Rebecca Garcia
Office: LDB 435
Telephone: (936) 294 – 3520
e-mail: rgarcia@shsu.edu
Office hours: Friday: 10:00 a.m. – 12:00 p.m.
other times available by appointment.

Course 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 Stoke's Theorem.

Prerequisite: Math 1430 with a grade of C or better, or by professor's consent.

Required Materials: We will be using the following text:

Larson and Edwards
Calculus: Early Transcendental Functions
6th Edition, Cengage Learning, 2015.
Paper:
ISBN-10: 1-285-77477-9
ISBN-13: 978-1-285-77477-0

It is the responsibility of the student to obtain all course materials at the beginning of the semester. Students may use a graphing calculator *that does not have a built-in computer algebra system*. Each student must bring his/her own writing instrument and notebook or notepad. It is the responsibility of the student to obtain all course materials at the *beginning* of the semester.

Course Objectives: Students successfully completing this course should have knowledge of the following major concepts. Other techniques and ideas will also be covered.

Chapter	Topic
11	Vectors and Geometry of Space
12	Vector-Valued Functions
13	Functions of Several Variables
14	Multiple Integration
15	Vector Analysis

Attendance Policy: Regular and punctual attendance for this course is *mandatory* and will be recorded throughout the semester. The student is responsible for obtaining any assignments, notes or notices given during the date of their absence. For all documentable absences (e.g. hospitalization, academic conferences, university athletic conferences, etc...) students must immediately contact and inform the instructor of the situation and present proper documentation before re-entering the classroom. Those students with no more than 2 absences for the entire semester will receive a 2-percentage point increase in their final percentage; e.g. a student with 0 - 2 absences and an 88% final percentage will have that percentage increased to 90%. On the other hand, *missing four or more class days will result in automatic failure of the class*.

Assignments: Homework will be assigned on a weekly basis and will be due on Thursday at the beginning of class. Assignments will have problems from multiple sections and you should start working on the problems from each section as soon as it is covered in class. It will be very difficult to complete an assignment in one night. Students are expected and encouraged to work cooperatively on these assignments. However, all solutions must be written on one's own. Students will be expected to follow the Homework Guidelines as posted on Blackboard and as discussed in class.

Homework will be collected and will be graded by our Teaching Assistant as follows:

1. Ten problems will be chosen from the assignment semi-randomly.
2. Each problem will receive a score of 0, 1, 2, or 3. Three points means a completely correct solution, two points means a nearly correct solution, and one point means a reasonable attempt was made to solve the problem.
3. You are expected to show the steps leading to the solutions on all problems; a correct answer without any work will receive 0 points.
4. Your homework grade will be the percentage of points earned out of the total points possible.

No late homework will be accepted without a documentable and excellent reason for needing to turn in an assignment late (e.g. hospitalization, academic conferences, university athletic conferences, etc...). Assignments submitted earlier (by noon on the Wednesday before) will receive an additional 10% points.

Exams: There will be three (3) in-class exams. The **Final Exam is cumulative and will be given on Monday, May 7 at 10:30 a.m. – 12:30 p.m.** The first two exams are tentatively scheduled below.

Exam 1:	Thursday, February 22
Exam 2:	Thursday, March 29

For any documentable absence, the student must contact the professor on or before the day of the exam to make arrangements.

Grading:

Homework	20%
Exam 1	25%
Exam 2	25%
Final exam	30%

The following is the distribution for each letter grade.

90%	≤	A	≤	100%
80%	≤	B	<	90%
70%	≤	C	<	80%
60%	≤	D	<	70%
		F	<	60%

Academic Dishonesty: All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. **Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action at the discretion of the instructor.** The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other

academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Students with Disabilities: It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling (936) 294-1720. Please bring all the necessary paperwork to the instructor before the end of the first week of classes in order to proceed with the requested accommodations. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until the student registers with the Counseling Center.

Classroom Rules of Conduct: Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins and stored away for the duration of the period. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Multiple offenses of inappropriate behavior in the classroom shall result in a directive to leave class, may result in failure of the course and may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Visitors in the Classroom: All visitors must not present a disruption to the class by their attendance. It is at the professor's discretion whether or not any visitor will be allowed to remain in the classroom.

Observation of Holy Days: Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

Additional Information: All information on this syllabus is subject to change. Any changes will be announced in class.