MATH 4013: Calculus of Several Variables, Sections 64503 and 64504 Syllabus

Instructor Contact Information

Instructor: Dr. Anne-Katrin Gallagher
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Office Hours: M, W 1:30 -2:30 pm and 4-5pm in MSCS 511, or by appointment

Class & Resource Information

Class Meeting and Location: MWF 11:30am-12:20pm in Stout Hall 044
Online Classroom: https://online.okstate.edu/

Prerequisites: Math 2163 – Calculus 3, Math 3013 – Linear Algebra.

Required Materials:
(1) Textbook: Vector Calculus by J. E. Marsden and Anthony Tromba Publisher: W. H. Freeman, 6th edition, and
(2) Online homework system WebAssign (http://www.webassign.net/login.html).
- For Section 64503 use WebAssign Class Key: okstate 1551 4303 (if you are an undergraduate student)
- For Section 64504 use WebAssign Class Key: okstate 6853 9870 (if you are a graduate student)

The Mathematics Learning Success Center (MLSC): The Mathematics Learning Success Center (MLSC) is located on the 5th floor of the Edmon Low Library. The hours of operation are Sunday 1pm-9pm, Monday-Thursday 9am-9pm and Friday 9am-5pm. Tutoring for Calculus will be in the West Tutoring Room. Check the MLSC's website (https://math.okstate.edu/mlsc/) for information about special tutoring and office hours.

Calculators: TI-83 and TI-84 models are permitted for all exams. A TI-89, Nspire, or a calculator with a computer algebra system, any technology with wireless or Internet capability (i.e., laptops, tablets, smart phones or watches), a QWERTY keyboard, or a camera are ***not allowed*** for exams. If you do not own an allowable calculator, you may borrow a calculator for the semester from the Department of Mathematics office without charge. Graphing calculators can be a valuable tool, but not a substitute for your own conceptual understanding.

Course Information

Content: This course is an introduction to differential and integral calculus in several variables. It will culminate in the classical theorems of vector calculus: Green's and Stokes' Theorem.
It is assumed that you have seen the material of chapter 1 of the book in a previous course. Hence this chapter will be covered very quickly. After that, the entire book, except the optional sections, will be covered.

Expectations: All students are expected to be active participants in class by asking and answering questions. During class, the use of cellphones, tablets, and laptops is prohibited since these can be distracting.
Plan to spend, on average, eight hours each week outside of class on MATH 4013. This includes reading the text, working on problems, discussing questions with others, and making use of office hours and the MLSC. Should you miss class, you are responsible for what you missed.
Take advantage of my office hours whenever you have questions on the material covered in class, homework etc. If you can't make it to the office hours, feel free to make an appointment with me and/or email your questions to me.

Missing Work Policy: Your instructor will make reasonable accommodations in the event that you miss an exam for a valid and documented reason, **assuming documentation is provided in advance** unless absolutely impossible. You will need to notify your instructor as soon as you know there is a conflict with one of the midterm exams or final exam; you will be ineligible for a make-up if you do not.

Syllabus Attachment: Please access and read the OSU syllabus attachment on the web page: http://academicaffairs.okstate.edu/content/resources-faculty-staff. Follow the link under Syllabus Attachment for Spring 2017. This document contains important information, including instructions about disability accommodations. Please contact your instructor privately during the first week of the course if you need accommodations as the result of a disability. Any changes to this syllabus will be announced in class and posted on BrightSpace.

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Grades:

Category	Percentage Grade
Exams 1&2	25% each
Final Exam	35%
Homework:	15%

Determination of Grades

100%≥ **A** ≥ 90%> **B** ≥80%> **C** ≥ 70% > **D** ≥60%> **F** ≥0

Quizzes:

There will be a total of 5 in-class quizzes. The quizzes are counted as a bonus to your grade. In total, your points on the quizzes may yield a bonus of up to 10% of your final grade. For instance, suppose you got 80% on each midterm, the final exam and the homework assignment. With 0 points on the quizzes, your final grade would be a B (80%). However, if you got 100% on the quizzes instead, your final grade would be an A (80%+10%).

The quizzes will be on the following **Fridays**: **09/01**, **09/15**, **10/13**, **11/17** and **12/1**. The quizzes will be given at the beginning of class and last ca. 15 minutes. It will be announced in class beforehand what material will be covered in each quiz. You will be allowed to use an allowed calculator. **No make-up quizzes will be given.**

Homework:

You will have **WebAssign** homework frequently throughout the semester (approximately two-three assignments per week). The instructor will give you further information on the due dates of the assignments. For each problem you will have five chances to answer. Keep a homework notebook where you work out the WebAssign problems and/or print the assignments problems and keep them in a binder.

Exams:

There will be two 50 minute in-class exams, and a comprehensive Final Exam.

    Exam 1: Friday, September 29, 11:30am-12:20pm, in Stout Hall 044
    Exam 2: Friday, November 3, 11:30am-12:20pm, in Stout Hall 044
    Final Exam: Friday, December 15, 10am-11:50am, in Stout Hall 044

You are permitted an allowed calculator.

Academic Integrity & Drops

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct. Please see the OSU Fall 2017 Syllabus Attachment for more information. You are encouraged to work and study together, however **all written and online work you submit must be your own**. Copying someone else's solutions or letting others copy your work is prohibited. Do not cheat. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination, or course, receiving a notation of a violation of academic integrity on your transcript (F!), or being suspended from the University.