

MAC 2313 - C004
3:00 PM-4:20 PM MTWR, MSB 109
CALCULUS WITH ANALYTIC GEOMETRY III
Summer 2015

INSTRUCTOR (Term A, 5/18-6/25): Zhe Liu

Office: MSB 420

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Office Hours: WR 2:00 PM-3:00 PM, or by appointment

Course website: <http://math.cos.ucf.edu/~zheliu/teachingmac2313summer2015/>

INSTRUCTOR (Term B, 6/29-8/6): Elliot Blackstone

Office: MSB 305 B/C

E-mail: eblackstone@knights.ucf.edu

Office Hours: TBA

CREDIT HOURS: 4

PRE-REQUISITES: A grade of C or better in MAC 2312 or a score of 5 in the Calculus BC AP exam or C.I.

REQUIRED MATERIAL: *Calculus (Early Transcendentals)* 7th Edition, by Stewart. ISBN-13: 978-0-538-49790-9.

COURSE GOALS AND DESCRIPTION: The main topics of this course include vectors and vector functions, the geometry of higher dimensional Euclidean spaces, partial derivatives, multiple integrals, line integrals, vector fields, Green's Theorem, Stoke's Theorem and the Divergence Theorem. The main goal of the course is to learn how to use the tools of calculus to explore multivariable and vector functions.

GRADING POLICY:

- Homework: Homework will be assigned weekly. Homework will not be graded. Extra credits (2 pts) will be given for each turned in and completed homework.
- **Quizzes** (10 pts \times (8-1) = **70** pts): Weekly quizzes will be given in class on Thursdays (see course calendar). Each quiz consists of problems selected from the homework of the week. The lowest grade will be dropped. There will be NO make-up for missed quizzes.
- **Exams** (100 pts \times 4 = **400** pts): There will be four in-class exams (see course calendar). All exams will count toward final course grade. Personal travel plans, medical reasons, and personal or family emergencies are not typically valid reasons for taking tests at a time different than scheduled as test make-ups are not typically given. However, exceptions can be made at the discretion of the instructor. If you want to request an exception, you must provide valid documentation (preferably in advance) and no later than one day after the missed exam. Otherwise, a grade of zero for the missed exam will be factored into your course average. University related absences that require special scheduling must be arranged one week prior to the missed exam.
- The TOTAL possible points of this course will be **470**.
Course grades will be awarded according to the following grading scale.

A	[90%, 100%]		
B+	[87%, 90%)	B	[80%, 87%)
C+	[77%, 80%)	C	[70%, 77%)
D+	[67%, 70%)	D	[60%, 67%)
F	[0%, 60%)		

CALCULATORS: Calculators will not be allowed on the tests and quizzes.

ACADEMIC INTEGRITY: UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a “Z Designation” on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://z.ucf.edu>. For more information about UCF’s Rules of Conduct, see <http://www.osc.sdes.ucf.edu>.

RELIGIOUS POLICY: It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify his/her instructor in writing at the beginning of the term (prior to the end of the add/drop period) to be excused from classes to observe the religious holy day. (Please note that documentation will be requested.)

FINANCIAL AID REQUIREMENT: All faculty are required to document students’ academic activity at the beginning of each course. This academic activity must be completed by the end of the first week of classes or as soon as possible after adding the course. Failure to do so may result in a delay in the disbursement of your financial aid. Instructions on how to complete this academic activity will be given in class.

DISABILITY ACCOMODATIONS: The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.