

## HNRS MATH 241 Fall 2020 (Syllabus)

### Meeting Information

Section: H04

Classroom Location: Gambrell 103 (MW) and online (F)

Days and Times: MWF 10:50AM - 11:40AM

### Instructor Information

Xinfeng Liu

Email: xfliu@math.sc.edu

Phone: 576-5849

Office Location: LC 317Q

Office Hours: MWF 1:30PM-2:30PM or by prior appointment

### Textbook

Thomas' Calculus, Early Transcendentals, Custom Edition for USC (13th edition), by George B. Thomas.

### Prerequisite

A grade C or better in Math 142.

### Homework and Quizzes

Homework will be assigned for each section, and will not be collected, but you are supposed to do them all. REMEMBER: the more problems you do, the better you understand the material. Students are encouraged to work together on homework sets. There will be approximately one quiz per week in Wednesday or Friday's class, and no quiz during the exam weeks. There are two to four short questions in one quiz. The quiz problems will be either the same as, or very similar to those from the homework. Thus, if a student has made a good attempt at the homework, he/she should do well on the quiz. One lowest quiz grades will be dropped from the final grade calculation.

### Exams

There will be three midterm exams and a comprehensive final exam. The exams are "closed book" no books, no notes, no graphing calculators, no laptop computer or equivalent technology, etc. You may use the scientific calculator. Picture I.D. is required and must be presented upon request. There are no early exams. A late exam is only possible for a written legitimate documented reason. Note that student athletes, participating in a USC athletic event and with appropriate documentation, are exempt from this rule. You must take your exams with the lecture for which you are registered.

### Grades

**Quizzes (25%) (one lowest quiz will be dropped)**

**Exam 1 (15%), Wednesday, September 23, 2020**

**Exam 2 (15%), Wednesday, October 21, 2020**

**Exam 3 (15%), Wednesday, November 18, 2020**

**Final (30%), Friday, December 11, 2020**

The deadline to change/drop this course without a grade of W is **Wednesday, August 26, 2020**. The dates and materials for three mid-term exams are tentative and subject to change as announced in class.

### **Reading**

Reading the textbook **in advance** of the lecture is strongly encouraged. Benefits of this preparation include obtaining a familiarity with the terminology and concepts that will be encountered (so you can distinguish major points from side issues), being able to formulate questions about the parts of the presentation that you do not understand, and having a chance to review the skills and techniques that will be needed to apply the new concepts.

### **Learning Outcome**

The primary goal of this course is to understand “Vector Valued Functions”, “Functions of Two or More Variables”, and associated derivatives (partial derivatives and directional derivatives) and integrals (double integrals and triple integrals). After this course, you are also supposed to be familiar with “Line Integrals” and a big theorem “Green’s Theorem”, and how to use them.

### **Attendance**

Attendance at every class meeting is important - and expected.

### **Cell Phone and Computer Policy**

Please remember to turn off or silence your cell phone prior to class. No texting allowed during class. Computers can only be used to make notes during class, and playing computer games during class is not tolerated.

### **Academic Dishonesty**

Cheating and plagiarism in any form is not tolerated. If a student is caught cheating, I will follow the guidelines as set forth in the USC Honor Code and other University guidelines.