# MATH 142 Summer 2018 (Syllabus)

**Meeting Information**:
Classroom Location: LC 405
Days and Times: MTWR 12:30PM–2:10PM
**Instructor Information**
Xinfeng Liu
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Office Location: LC 317Q
Office Hours: MW 11:00AM–12:00PM or by appointment
Course Homepage: people.math.sc.edu/xfliu/teaching/Summer2018/math142/math142.htm

## Textbook

Thomas' Calculus, Early Transcendentals, Custom Edition for USC, by George B. Thomas

## Prerequisite

Qualification through placement, or a grade C or better in Math 141.

## Subject Materials

We shall cover the material presented in Chapters 8, 10, and 11.1-11.5.

## 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 two quizzes per week in Tuesday and Thursday's class. 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 grade will be dropped from the final grade calculation.

## Exams

There will be two midterm exams and a comprehensive final exam. The exams are "closed book": no books, no notes, no calculators, no labtop computer or equivalent technology, etc. 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 (20%)**
**Lab (20%)**
**Exam 1 (15%): Thursday, May 24**
**Exam 2 (15%): Thursday, June 7**
**Final (30%): Friday, June 22**

## 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

Students are expected to continue to develop as an independent learner and problem solver who can master mathematical concepts, utilize and combine more than one idea in a single problem, and apply appropriate calculus skills to problems in context. Students are also expected to master concepts and gain skills needed to solve problems related to techniques of integration, sequences and series, Taylor polynomials and series, parametric and polar coordinate curves.

## Attendance

Attendance at every class meeting is important - and expected. Students missing more than 10% of the class meetings (4 days) can have their grade lowered.

## 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.