

Welcome to MAC2312 section 7, Calculus II

Lecturer: [Zixia Song](#)

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Lecture: TR: 6:00-7:45pm in MAP 121

Office Hours: TR 2:30-3:30pm, or by appointment.

Required textbooks: *Calculus* by [James Stewart](#), 5th edition.

Prerequisites: MAC2311 Calculus I

Purpose of Course: To master the techniques of integration and the fundamental properties of sequences and series.

Lecture Schedule: We will cover Chapter 7 through Chapter 12: Inverse functions; exponential, logarithmic, and trigonometric functions and their derivatives; L'Hospital's rule; techniques of integration; application of integration to arc length, surface area; parametric equations and polar coordinates; tangent lines; areas, lengths in polar coordinates; infinite sequences and series, including convergence tests and Taylor and Maclaurin Series.

Midterm and final exams: There will be four in-class tests and a comprehensive final exam. The four midterms are tentatively scheduled for **Thursday, February 2** ; **Tuesday, February 28**; **Tuesday, March 28** ; and **Tuesday, April 18**. The final exam is scheduled on **Tuesday, April 25 4:00 - 6:50pm**. All exams, including the final, will take place in the usual lecture room. There will be no make-ups. Please see Dr. Song if you have to miss an exam due to an illness or an emergency. A proof will be required.

Homework: There will be graded online homework. Additional homework from the text will be assigned daily, but will not be collected or graded.

Grades: Online Homework: 10%; Tests: 60%; Final Exam: 30%. Final course letter grades are given on the standard grading scale:

A: 90%-100%, B: 80%-89%, C: 70%-79%, D: 60%-69%, F: 0%-59% (plus/minus grades will not be assigned).

Attendance and Classroom Conduct: Attendance at lectures is required. Common courtesy requires that students arrive in class on time, and stay the entire class period. Turn your cellphones and pagers off. Please treat your classmates and instructor with respect and courtesy.

Regrading policy: If you believe that a mistake in grading has been made you may request that your paper be regraded. Such request must be submitted in writing to Dr. Song within one week from the day the graded test has been returned in class, and must be accompanied by the original (unaltered) paper. If you make any changes to the paper your request will be denied. Please note that if you request regrading, all problems are subject to review.

iLrn Access Code: E-234CZBSYX98YW

Honor Code: Everyone is expected to abide by the guidelines for the Academic Honor Code given in the University Golden Rules. Violations will be reported.

Free Tutoring: Available at [Math Lab](#), located in MAP 113.

Policy on calculators: Not allowed on any exams and quizzes.

Course Information: This text can be accessed at <http://www.math.ucf.edu/~zxsong/MAC2312>.