

Welcome to MAC2312H section 205, Honors Calculus II

Lecturer: [Zixia Song](#)

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Lecture: TR: 9:30-11:20pm in MAP233

Office Hours: TR 9:00-9:30am & 11:30-12, and Wednesday 11-12, 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 chapters 7, 8, 9, 11, 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 three in-class tests and a comprehensive final exam. The three midterms are tentatively scheduled for **Thursdays, February 15th; March 8th; and April 12th**. The final exam is scheduled on **Tuesday, April 24th (7:00 - 9:50pm)**. 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 & Quizzes: Homework will be posted [here](#) & not graded. Weekly quiz (10 in total) will be given on Thursday if no exam is scheduled.

Grades: Quizzes: 15%; Tests: 20% each; Final Exam: 25%. 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 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.

Important Dates: Withdrawal deadline: March 2; Spring break: March 12-17.

Honor Code: Everyone is expected to abide by the guidelines for the Academic Honor Code given in the university [Golden Rule](#). 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/MAC2312H>.