

**Syllabus**  
**MATH 1634 – 03**  
**Calculus I**  
Spring 2020

**Instructor:** Dr. N. S. Hoang  
**Office:** Boyd 324  
**Office hours:** TBA

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**Office phone:** 678-839-5336.

**Class meeting time:** MW: 9:30 am - 10:45 am; F: 9:55 am - 10:45 am (Boyd 306).

**Prerequisites:** Math 1113 or the equivalent (with a grade of 'C' or better).

**Text:** Stewart, James, Single Variable Calculus: Early Transcendentals, Vol 1, 7th ed, Brooks/Cole, Belmont, CA, 2012. ISBN-13:978-0-538-49869-2 *OR* James Stewart, Calculus: Early Transcendentals, 7th ed, Brooks/Cole, Belmont, CA, 2012. ISBN-13: 978-0538497909.

**Course Description:** This is the first course in the Calculus sequence. Limits, applications of derivatives to problems in geometry and the sciences (physical and behavioral). Problems which lead to antiderivatives.

**Grading:** Grades are based on a total of 700 pts given as follows

Total	Homework	Quizzes	Exam 1	Exam 2	Exam 3	Final Exam
700 pts	100 pts	100 pts	100 pts	100 pts	100 pts	200 pts

**Grading scale:** A: 90–100%; B:80–89%; C:70–79%; D:60–69%; F:0–59%.

**Exams:** There are three midterm exams, given during the regular lecture time. The dates for midterm exams are Feb 3, Mar 2, and Apr 6. Final exam is scheduled on Wednesday, April 29, 8:00-10:00 am and is a comprehensive exam.

**Use of calculators:** No calculator is allowed during exams.

**Homework:** Homework assignments will be provided online.

**Quizzes:** There are quizzes which are worth 5 pts each.

**Attendance:** Attendance will be recorded every class. You are not allowed to come to class late or to leave early. Students are responsible for any and all materials and announcements they may have missed during their absence.

**Common Language for Course Syllabi:** Students, please carefully review the following information at the link <http://tinyurl.com/UWGSyllabusPolicies>. It contains important material pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

**Withdrawal Policy:** The last day for an automatic W withdrawal is: Feb 28th. For more information about withdrawal policy, please read the information at the link

[http://www.westga.edu/advising/index\\_5310.php](http://www.westga.edu/advising/index_5310.php)

**Make-Up Work:** There are NO make-up grades for ANY reason. Students having an unexcused absence on the day of a graded assignment will receive a grade of zero for that assignment. Students having an excused absence on the day of a test will have their test average entered for the missed grade. Absences must be excused before they occur except in extraordinary cases, such as active military duty, jury duty, or hospitalization. Being sick, short of being hospitalized, is not an excuse. If you anticipate being absent from class for a religious holiday, it is your responsibility to notify me in advance.

**Other Policies:** Usage of cellphones and other electronic devices is *not* allowed during class lectures.

**Learning Outcomes:** The student will be able:

- To compute and understand limits
- To compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions
- To apply calculus to optimization, related rates, and curving sketch problems
- To understand the definition of the indefinite and definite integrals
- To apply the Fundamental Theorem of Calculus, both I and II
- To compute the definite integrals using the techniques of integration by inspection and integration by substitution