

MATH 1634, Calculus I, Summer 2016

Section: 01 **Hours Credit:** 4 hours

Room and Hours: Boyd 303: M, 12:00 pm – 1:40 pm and
Boyd 303: TR, 11:00 am – 1:30 pm

Prerequisite: MATH 1112 or MATH 1113 with C or better

Instructor: Dr. Kwang Shin

Office Hours: M (10:00 am – 12:00 pm) and TR (10:00 am – 11:00 am, 1:30 pm -- 2:00 pm, and 4:30 pm – 5:30 pm) or by appointment.

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E-mail: kshin@westga.edu through your campus e-mail (myUWG).

Course Webpage: <http://www.westga.edu/~kshin/1634/>

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

Text: Stewart, *Single Variable Calculus, Early Transcendentals, 7th ed.* We will cover chapters 1--5.

Learning Outcomes: The student will be able:

- To compute limits and 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

Hour Exams: Exam 1 (Mon, June 20), Exam 2 (Tue, July 5), Exam 3 (Thu, July 21).

Final Exam: Thursday, July 28, 12:30 pm -- 2:30 pm. The final exam will be cumulative.

Homework: Homework will be assigned every day and posted at the course website. Homework will be collected at the beginning of the next class for grade. Doing homework in timely fashion is essential for the success in this course. Partial credit will be considered for incomplete work. However, **late submission will receive zero point.** The total homework score will be converted to a 70 point scale at the end of semester.

Quizzes: There will be a quiz almost every other day, consisting of problems that are *almost identical* to homework problems. Each quiz will be 10 points and two lowest scores will be dropped. If needed, the total quiz score will be converted to an 80 point scale at the end of the semester.

Grade Scale: 3 hour exams 300 points (100 points each)

 Quizzes 80 points

 Homework 70 points

 Final 200 points

 Total 650 points

A: 585 - 650, B: 520 - 584, C: 455 - 519, D: 357 - 454, F: 0 - 356

June 29 is the last day to withdraw from a class with a grade of W.

Make-up: There will be no make-up quiz. In general, make-up exams will not be given after the scheduled exam date. There will be no make-up final except when a conflict with other finals occurs. If a conflict occurs to you, please inform the instructor at least two weeks in advance. Make-up hour exams will be granted for official university activities if the student notifies the instructor at least a week in advance and for well-documented illness.

Attendance and Pop-up Quizzes: Attendance is required and expected. Students are responsible for all material covered in class and all announcements made. An undetermined number of pop-up quizzes may be given for extra points. Such a quiz will consist of one problem, discussed during the same class.

Starting from the 4th unjustified absence, each absence leads to a half percent deduction from the final grade. It will count as absent if you are not present when the attendance is checked.

Classroom Behavior: You are expected not to disturb your classmate's learning. **No headphones or electronic devices that are not approved by the instructor are allowed in class.**

Also, please carefully review the following information at <http://tinyurl.com/UWGSyllabusPolicies> or http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf. 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.