

### Basic Information

**Instructor:** Dr. Jeong-Hyun Kang

[jkang@westga.edu](mailto:jkang@westga.edu) ; *UWG email (not CourseDen email) is the best way to contact me!*

Office: Boyd 328

**Class Hours & Classroom(s):** Section E01, 100% online

**Pre-requisites:** MATH 1113 or MATH 1111 or MAT 151 (minimum grade C)

**Course Website:** CourseDen, MyMathLab

**MyMathLab and Textbook:**

Bittinger, Ellenbogen, and Surgent; Calculus and Its Applications, 11th Edition.

All students are **required** to have a **MyLab Math account** ([www.MyMathLab.com](http://www.MyMathLab.com)). The course code for this section is **kang94846**. [See the registration instruction Section E01 if necessary.](#)

An e-textbook is available in your account. The hard copy of the textbook is not required.

### Course Contents

**Course Description:** This course will provide a survey of the differential and integral calculus of polynomial, rational, exponential, and logarithmic functions with an emphasis on applications to problems from business, economics and life sciences.

**Learning outcomes:** The student will be able to

- compute limits graphically and algebraically
- compute derivatives of polynomial, rational, exponential, logarithmic functions
- apply calculus to optimization, related rates, and curving sketch problems
- apply calculus to problems from business, economics, and life science
- understand the definition of the indefinite and definite integral; Riemann sum
- apply the Fundamental Theorem of Calculus, both I and II
- compute the definite integrals using the techniques of integration by inspection and integration by substitution

### Evaluation

**Homework:** Total 30%.

Online in MyMathLab, with unlimited attempts for each homework assignment.

**Three Tests:** Total 45% (15% each).

Online in MyMathLab, 4 hours, only one attempt for each test.

Tentative dates: 2/6-2/7 (Test 1); 3/12-3/13 (Test 2); 4/23-4/24 (Test 3).

**Final Exam:** 25%.

Cumulative, proctored, online in MyMathLab, 5 hours, only one attempt.

Final Exam date: May 1

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

## Course Policies

**Assignments:** All assignments (including homework and tests) must be completed by the deadlines. Please follow the calendar in the MyMathLab.

No make-up final!!!

**Communications:** Since it's an online course, the main communication to you is via email. Please check UWG email (NOT CourseDen email) everyday. Email communications regarding the course should be done only in the domain of westga.edu.

**Online Office Hours:** The formal office hours will be 2-4:30 (tentative) on MW, but I usually check & reply emails regularly during business hours.

**University Policies:** Please carefully review the following information at

<https://www.westga.edu/UWGSyllabusPolicies/> or

<https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>.

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.