

COURSE INFORMATION

<https://sites.google.com/a/westga.edu/jkang/teaching/math-1413>

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

Class Hours & Classroom(s): Tue Thur 12:30 pm - 01:45 pm, Boyd 303

Instructor: Dr. Jeong-Hyun Kang

Course Website: <https://sites.google.com/a/westga.edu/jkang/teaching/math-1413> (This is NOT CourseDen but through my UWG website.)

E-mail Address: jkang@westga.edu (Best way to contact me!)

Office: Boyd 328

Office Hours: Tue 12-12:30 & 2-3:30; Thu 12:12:30 & 3-5:30

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

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

Homework:

- Homework will be assigned almost every class. Homework problems will be posted on the Class Log of the course website given above. Hence, it is essential for you to check the course webpage almost everyday.
- Although it will **not** be collected and graded, you are strongly encouraged to do all of the problems in order to completely master the materials studied in class, and to prepare for quizzes and exams.

Quiz:

- There will be 4 plus a few more quizzes on some Tuesdays in the beginning of the classes;
 - 4 of them will be held one week before each scheduled hour exam,
 - The other quizzes will be announced the week before they take place.
- **Missed quizzes cannot be made up for any reason**, and instead, **one lowest scores** will be dropped at the end of the semester: These one lowest grades include all the missed quizzes due to your being sick or going out for official university trips. If you have to miss more than two quizzes due to official university field trips, I can drop one more missed quiz but not more than that.

Hour Exam:

- There will be 4 one-hour exams. (More detailed section numbers of the chapters will be provided before each exam)
 - Exam 1 Tue 2/5: Reviews and Ch1
 - Exam 2 Tue 2/26: Ch 2
 - Exam 3 Tue 3/26: Ch3
 - Exam 4 Tue 4/23: Ch 4
- If the student has a **provable excuse** (such as an official university field trip or doctor's note) and **notify me well in advance** (at least one week earlier), then missed hour exams may be made up **prior to the actual test date**. Somebody's wedding or gathering with a boy/girl friend after several months are NOT appropriate excuses.
- In case an unforeseen case occurs (such as sudden illness the day before the exam) and you cannot take an hour exam, notify me **before** the exam starts. You will not take a make-exam in this case. Instead, an appropriate part of the final exam will substitute the missing exam. This method can be applied only **one time**; you cannot fall sick whenever take hour exams.

Final Exam:

- The final exam is scheduled for **Thursday, May 2, 11:00 am-1:00 pm**
- If you have a conflict, let me know within the first week of the semester.
- No make-up final!!!

Grading Policy:

- Grading scale:
 - Quiz 100 points; The quiz total may be scaled to 100 points if necessary at the end of the semester.
 - Four hour exams 400 points total.
 - Final 200 points
 - 600 points total: $\geq 90\%$ A; $\geq 80\%$ B, $\geq 70\%$ C; $\geq 60\%$ D; below 60% F
- A final answer without showing procedure won't earn any credit in quizzes or exams. Showing appropriate steps of your work matters!
- **No calculator during the quizzes and the exams.**
- No curve! No extra credit!

Other Class Policies:

- Sections covered, homework problems, and announcement of quizzes will be posted on the Class-Log of the course website after every class. Hence, it is essential for you to check the course webpage almost everyday.
- Email communications regarding the course should be done only in the domain of westga.edu.
- Attendance: I don't count attendance in each class. However, if you miss weekly quizzes in a row in the beginning of the semester, your attendance will be recorded as "never attended" on BanWeb.
- Classroom Behavior: You are expected not to disturb your classmate's learning.

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.