

# Syllabus for Math 1190 sec. 51 (CRN: 50633)

Summer 2017

**Instructor:** L. R. Ritter

**Office:** D 211

**email:** lr Ritter@kennesaw.edu

**Tel:** 470-578-3951

**Office Hours:** Monday & Wednesday 9:45 am to 10:45 am and by appointment

**Course Home Page** [http://facultyweb.kennesaw.edu/lritter/Ritter1190\\_Su2017.php](http://facultyweb.kennesaw.edu/lritter/Ritter1190_Su2017.php)

**Course Description:** This is a four hour first course in Calculus. This course introduces the central concepts of calculus; topics include limits, continuity, derivatives of algebraic and transcendental functions of one variable, applications of these concepts (e.g. optimization, linearization and approximation, related rates) and a brief introduction to the integral of a function. We will meet for lecture twice weekly MW from 11:00 am–2:50 pm in D237. It is especially critical during the summer that all students attend all class sessions and keep up with course assignments. All assignments will be posted on D2L and the course page [http://facultyweb.kennesaw.edu/lritter/Ritter1190\\_Su2017.php](http://facultyweb.kennesaw.edu/lritter/Ritter1190_Su2017.php) You should plan on visiting these venues often.

**Prerequisites:** A grade of C or better in Math 1112 or Math 1113, or approval of the math department chair

**Course Materials:** *Calculus Early Transcendentals* by Michael Sullivan and Kathleen Miranda ISBN 978-1429254335 or ISBN 978-1464144325. No calculator purchases is required for this course. **Calculators will not be needed or allowed during exams.**

**Learning Outcomes:** Upon completing this course, students will be able to

1. evaluate the limit of a function, and determine whether a function is continuous at a point or on an interval;
2. take derivatives of elementary functions using the basic derivative rules;
3. take derivatives of functions using advanced techniques including implicit and logarithmic differentiation;
4. use limits and derivatives to solve applied problems (such as related rates and applied optimization) and

to analyze the characteristics of a function;

5. determine antiderivatives, and use the fundamental theorem of calculus to compute definite integrals and to evaluate the area of a region bounded by a curve;
6. write expressions, equations, and problem solutions using proper terminology and standard notation.

**My Goals:** In coordination with the above learning outcomes, my goal is to expose you (the student) to the developed mathematical concepts of the limit, derivative, and Riemann integral; to help you attain a sense of understanding and ownership of these concepts, and to aid in your mastery of the processes and operations of calculus that are used to solve applied problems. Upon successful completion of this course, I want you to have the basic foundation needed to engage in further study (e.g. other math and science courses) and to engage in implementation (such as in engineering, science, business, or other applications).

**Grading and Evaluation:** Your course grade will be the weighted average of your score on 4 midterm exams, one final exam, and a quiz/in-class assignment grade. The grades will be weighted as follows:

Table 1: Grade Weights

Exam I	Exam II	Exam III	Exam IV	Quiz	Final
M 6/12	W 6/21	W 7/5	W 7/19	Daily	W 7/26
15%	15%	15%	15%	20%	20%

A = 90%–100%, B = 80%–89%, C = 70%–79%, D = 60%–69%, F = 0%–59%

**Quizzes, Homework & In-class Assignments:** Homework problems will be assigned from the course text for each topic that we cover. The assigned problems will be listed on the course webpage

<http://facultyweb.kennesaw.edu/lritter/Ritter1190.Su2017.php>

under the heading "Homework." **I will not collect the homework.** Most class days (perhaps not on exam days) I will give a quiz or in-class assignment. Some of these will be done independently, some will require you to work in pairs or groups. I may on occasion (solely at my discretion) allow you to use your completed homework while taking the quiz. To maximize your potential for success in this course, I strongly encourage you to

- complete each homework assignment immediately following coverage of the material;

- dedicate a folder to homework for this class, and keep your assignments neat and well organized;
- work at each problem until you can solve it correctly; get help if you need it, don't give up;
- practice using complete and proper notation while writing your homework.

There will be 10-14 quizzes/in-class assignments during the semester. The two lowest of these grades will be dropped. The remaining will be averaged to obtain 20% of the grade for the term. **Make up quizzes will not be given under any circumstances. Attending only part of class solely for the purpose of taking a quiz is unacceptable. If you do not attend class, you will not be provided with a quiz or similar assignment. Leaving after a quiz or assignment (unless class is over) will result in a grade of zero on that quiz/assignment.**

**Exams:** We will have four midterm exams each worth 15% of the semester grade. The exam dates are shown in the grade table 1 as well as the important dates table 2 at the end of this syllabus. **No use of a calculator, notes, or other resources will be allowed during the exams.** All four midterm exams are mandatory. Unless excused, a missed exam will be assigned a grade of zero (see attendance and make up policy below). We will have one comprehensive final during the time designated by the University. The final is 20% of the semester grade. If your course average prior to the final exam is at least 90%, you will be exempted from the final and will receive a course grade of A. The final exam grade may be substituted for the lowest midterm exam score provided your combined quiz/in-class assignment grade is at least 75%

**Attendance and Make-up Policy:** Regular class attendance is critical to academic success. Hence I strongly encourage you to attend all classes and keep up with assignments and course events. I do record attendance and will report it if I am required to by University policy. **My compliance with any such policy may affect your financial aid.**

**Missing a Graded Item:** All midterm exams are mandatory; two quiz grades will be dropped. Make up quizzes will not be given under any circumstances. I may, solely at my discretion, excuse a quiz, in-class assignment or exam provided (1) I am contacted as soon as is safely and reasonably possible, (2) I find the reason sufficiently compelling, and (3) you provide documentation if I request it. If an exam is excused, your score on the final exam will be substituted for the missing exam grade.

**Academic Integrity** Every KSU student is responsible for upholding the provisions of the Statement of Student Rights and Responsibilities, as published in the Undergraduate and Graduate Catalogs. Section II of the Statement of Student Rights and Responsibilities addresses the University's policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to University materials, misrepresentation/falsification of University records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the Department of Student Conduct and Academic Integrity (SCAI), which includes either an

”informal” resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct’s minimal one semester suspension requirement.

**Notice on Course Withdrawal:** Students are solely responsible for managing their enrollment status in a class; nonattendance does not constitute a withdrawal. Per university policy, I will assign a grade of WF to all students who do not complete the semester, where not completing the semester is defined as ceasing to attend class and take exams for, or prior to, the last two weeks of the semester. I am required to report the last date of attendance when assigning a grade of WF. **My compliance with this policy may affect your financial aid.**

**Students with Disabilities** I will attempt to accommodate all students with special needs to the best of my ability, but it is the responsibility of the student to make their needs known to me. Students with disabilities who believe they may need accommodations in this class are encouraged to contact the counselor working with disabilities at 678-915-7244 (Marietta) or 470-578-2666 (Kennesaw) as soon as possible to better assure that such accommodations are implemented in a timely fashion. (Additional contact information email: sds@kennesaw.edu and webpage: <http://studentsuccess.kennesaw.edu/sds/index.php>).

**Cell Phone, Tablet, Laptop Policy** Unless otherwise stated, use of cell phones, laptops, or tablets is **not allowed during class**. Any student who must be repeatedly asked to refrain from texting or surfing the web will be invited to leave. **At no time will still or video photography be allowed during class.**

Table 2: Important Dates

May 30	First Day Summer Term	June 12	Exam 1
June 21	Exam 2	June 26	Withdrawal Deadline
July 4	University holiday	July 5	Exam 3
July 19	Exam 4	July 21	Last Day Summer Term
July 26	Final Exam	11:30 am–1:30 pm	D237