

---

INSTRUCTOR CONTACT INFORMATION	Lecture Location:	MTH 206
	Lecture Times:	MTWRF 10:00 – 10:50
	Instructor:	Dr. Karl Frinkle
	Office:	MTH 112
	Office Hours:	MTWR 11:00 – 13:00, F 11:00 – 12:00
	Office Phone:	(580)745 – 2028
	E-mail:	kfrinkle@se.edu
	Website:	<a href="http://homepages.se.edu/kfrinkle">http://homepages.se.edu/kfrinkle</a>

PREREQUISITES Math 1513 - College Algebra and Math 1613 - Trigonometry or Departmental permission.

TEXT *Calculus* (4th edition), by Robert Smith and Roland Minton, ISBN # 9780073383118

COURSE OVERVIEW In this course, we will cover such topics as functions, limits, derivatives, integrals, differentiation and integration of transcendental functions and their applications. This course is a fundamental starting point for many areas of mathematics and other sciences, such as chemistry, physics and biology.

COURSE OBJECTIVES A student completing the first semester of calculus should be able to:

- Understand elementary functions, including trigonometric functions.
- Demonstrate a computational and theoretical knowledge of limits and continuity.
- Take derivatives, using both the definition and established rules.
- Use limits and derivatives to create accurate graphs of functions.
- Apply differentiation to real-world problems including max/min problems, approximations, and related rates problems.
- Compute definite and indefinite integrals, as well as use Riemann sums for both theoretical computation and numerical estimation.
- Use integrals to compute areas, volumes, and in other applications.

GENERAL EDUCATION GOALS AND OUTCOMES As a general education course, this course contributes to the critical thinking and the mathematical or quantitative reasoning components of the general education program at Southeastern. The goal of the critical thinking component is to enhance the ability of students to integrate new information with previously acquired information to solve novel complex problems. To address the critical thinking goal, students will solve problems described verbally, graphically, symbolically, or numerically. The goal of the mathematical or quantitative reasoning component is to develop the ability of students to understand and apply mathematical abstraction. To address the mathematical or quantitative reasoning goal, students will (1) solve problems using the principles of algebra or symbolic logic; (2) apply mathematical reasoning to analyze and interpret quantitative information; and (3) use and interpret mathematical formulas.

POLICIES Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued.

All cell phones, laptops, calculators and other such devices must be turned off and put away before class begins. If you are caught using a cell phone during class, your final grade will be dropped

by **one letter grade per incident**. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope).

#### GRADES

Your final grade will be based upon the following items

- 10% - Homework and Class Participation - do your homework and be prepared to discuss it in class
- 25% - Quizzes - given randomly, without warning
- 40% - Chapter Exams - Five to six in-class exams, one for each chapter we will cover
- 25% - Final Exam - the final is cumulative in nature

#### IMPORTANT DATES FOR FALL 2017

- 2017.08.21 - Classes begin
- 2017.08.25 - Last day to add a class
- 2017.08.25 - Last day to drop a class with no grade record
- 2017.08.25 - Last day to drop a class with refund/no charges
- 2017.11.01 - Last day to apply for graduation
- 2017.11.15 - Last day to drop a class with automatic 'W'
- 2017.12.15 - Classes end

#### UNIVERSITY AND SCHOOL POLICIES

**Privacy:** Available through the Southeastern Online Learning website or <http://www.se.edu/academics/general-information/students-rights/>

**Academic Integrity:** Available through the Southeastern Online Learning website or <http://www.se.edu/dept/student-life/files/handbooks/2015-2016-Student-Handbook.pdf>

There is a zero-tolerance policy concerning plagiarism and/or duplication of another individual's work. Besides making you feel horrible, you will receive a zero and the policy will be enforced under the guidelines of the Academic Honesty Policy for the University. Students are expected to work individually and turn in their own work. Any violation of academic honesty will be reported to the Office of Student Affairs. The policies regarding academic misconduct are set forth in the institution's Student Code of Responsibilities and Conduct

#### SPECIAL ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator for Disability Services, GDJ Student Union, Suite 328 or call (580) 745-2392 (TDD# 745-2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator.

#### AT-RISK STUDENTS

Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday - Friday, 8:00 AM to 5:00 PM. For after hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800)-522-1090.

#### EQUAL OPPORTUNITY STATEMENT

In Compliance with Title VI of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and other Federal Laws and Regulations, Southeastern Oklahoma State University does not discriminate on the basis of race, color, national origin, sex, sexual identity, sexual orientation, age, religion, handicap, disability, or status as a veteran in any of its policies, practices or procedures, this includes but is not limited to admissions, employment, financial aid, and educational services.

TITLE IX OF THE  
EDUCATION  
AMENDMENTS OF  
1972

(20 U.S.C. §1681) states: “No person in the United States, shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance...” Southeastern Oklahoma State University does not discriminate on the basis of sex in its education programs or activities, in compliance with Title IX and the U.S. Department of Education’s regulations at 34 C.F.R. §§86.1 et seq. Individuals who believe they have been discriminated against on the basis of sex may contact S.E.’s Title IX Coordinator at (580) 745–3090, [titleix@se.edu](mailto:titleix@se.edu), or PMB 2750.