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COURSE INFORMATION	Lecture Location: MTH 217 Lecture Times: MWF 10:00 – 10:50 Instructor: Dr. Karl Frinkle Office: MTH 112 Office Hours: MWF 11:00-11:50, MW 13:00-13:50, TR 14:00-15:15, or by appt. E-mail: kfrinkle@se.edu Website: <a href="http://homepages.se.edu/kfrinkle">http://homepages.se.edu/kfrinkle</a>
TEXT	<i>Calculus and its Applications</i> (11th edition), M. Bittinger, D. Ellenbogen, S. Surgent, ISBN # 9780321979391
COURSE OVERVIEW	<p>In this course, we will develop mathematical tools which are used widely and regularly in many areas of science and everyday life. Some of these areas include Business, Economics and the Social Sciences. We will discuss the many aspects of these mathematical concepts and how they are used in the aforementioned settings.</p> <p>As a general education course, this course will satisfy the goal of the mathematical or quantitative reasoning component of general education: to develop the ability of students to understand and apply mathematical abstraction. As such, 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.</p>
COURSE OUTLINE	We will start out learning about differentiation, then delve into some applications of this topic. Next, we discuss the transcendental functions, their derivatives, and applications of this class of functions. The next topic we shall cover is integration, theory and application will be covered. As a whole, we will cover chapters 1 through 5. You will be required to browse through chapter R on your own. If you find your knowledge of the material in chapter R lacking, you must learn it on your own time.
COURSE WORK	You will be expected to read the material for each day's lecture in advance, quizzes of this material, and any material already covered, will be administered on a random basis at the beginning of class. Quizzes will account for 20% of your final grade. There will be four (4) <b>exams</b> throughout the semester, each one preceded by a review day. Each exam will count for 10% of your final grade (for a grand total of 40%). A <b>cumulative final exam</b> will be given and will be worth 30% of your final grade. The remaining 10% (for those of you keep track) is based upon <b>class participation</b> . Class participation encompasses: (a) attendance and (b) actively contributing to the class's overall learning experience on a regular basis. Homework problems for each section can be found on the <b>schedule.pdf</b> document. These problems are for your own edification and will not be collected. It is strongly suggested that you attempt most of the problems given for each section, and if you have questions, bring them up in class or stop by and see me during office hours.
GRADES	Your final grade will be based upon the following items <ul style="list-style-type: none"><li>• 40% - Exams - four in-class exams throughout the semester</li><li>• 20% - Quizzes - given randomly, at the beginning of class</li><li>• 10% - Class Participation - attendance and class time contributions</li><li>• 30% - Final Exam - exam covering all of the material from the semester</li></ul>
COURSE MODIFICATION	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).

#### TECHNOLOGY

All cell phones 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**.

#### MANDATORY STATEMENTS

**Counseling Center:** 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, 8:00AM to 5:00PM. 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.

**Disability Accommodations:** Any student needing special accommodations due to a disability should contact the Office of Compliance and Safety, Administration Building, Suite 311 or call (580) 745-3090 (TDD# 745-2704). It is the responsibility of each student who anticipates or experiences barriers to their academic experience to make an official request for disability related accommodations in a timely manner.

**Equity and Non-Discrimination Statement:** Southeastern Oklahoma State University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, sexual orientation, gender identity, or status as a veteran in any of its policies, practices, procedures, or programs. This includes, but is not limited to: admissions, employment, financial aid, and educational services. Inquiries regarding non-discrimination and equity policies may be directed to: Michael Davis, Director of Compliance and Safety & Title IX Coordinator, (580) 745-3090, or mdavisse.edu

**Academic Dishonesty:** Academic dishonesty of any kind will not be tolerated. You may fail an assignment, fail the course or be expelled from the University for academic dishonesty. As a student, it is your responsibility to be familiar with and abide by The Student Code of Conduct, which may be viewed in the Student Handbook. Please note that your own original work is expected for all assignments that you submit. Ignorance is not generally accepted as an excuse.