

Calculus 173 Syllabus

Winter 2019

Instructor: Jim Miller

Office: Samuelson 228F, Phone 963-2990, Hours: 8:30-8:50, 11:00-11:50 and 1:00-2:00. I will also take appointments for other times. I can also be reached: email millerji@cwu.edu, cell 509 674 8138; texting works to schedule a meeting time. I do have classes M-F at 9:00, 10:00, and 12:00.

Classroom: 173.001 10:00-10:50 in Samuelson 130 and 173.003 12:00-1:00 in Samuelson 128.

Text: *Math 172 & 173 Calculus I & II- Calculus Single Variable* by Jon Rogawski and Colin Adams. We will be covering some or all of Chapters 5 through 8 of this textbook with possibly some other bits and pieces.

Supplies: Paper, graph paper, sharp pencils, **graphing calculator** (recommend TI-83 or TI-84). Find a way to keep organized (three ring binder or whatever) that you will bring every day to class.

Course Description: Prerequisite: Pre-calculus 172 or equivalent. This is the second course in calculus and requires the student to have a good understanding of functions including linear, quadratic, polynomials of higher degrees, exponentials, logarithms, radical, rational, and trig as well as the derivatives. The course will investigate integration and its implications with application. This course incorporates the use of **graphing calculators**, as they are excellent tools for visualizing some mathematical concepts and offer alternative ways of manipulating the mathematics.

Expectations: It is expected that you have are knowledgeable with linear and quadratic functions, radical, rational, exponential, trig functions, general graphing techniques as well as trig identities and related derivatives. If your skills are weak, you will be expected to be spending extra time early and perhaps throughout the course to succeed. Some students have spent as much as 4-5 hours out of class working on the material. Failure will be a choice you will have to make. Success will be the other option! Choose this option though it may be the harder choice. You can track your progress on Canvas.

Attendance: Daily attendance is expected and considered a necessity for passing this course. It is expected that you **actively** participate in class. Attendance and appropriate participation in class is crucial to your success and will be recorded.

Suggestions for success: Many students find that forming peer study groups is very helpful to their success. In addition, there are several other resources: math-tutoring center (Library), YouTube (especially by the instructor) and other websites, and the instructor. The key factor is to not get behind. Mathematics is a cumulative subject where new topics depend upon mastery of previous concepts. Finally, read every lesson and work through every example in addition to completing the suggested homework problems. Also use the YouTube videos provided by the instructor with links on Canvas and create a 3x5 note card for each chapter test and you will be able to use all four cards on the final.

Homework: Homework will be collected daily, perused, and recorded. Assignments can be found on Canvas-Pages and will be given in class. Changes in due dates may occur occasionally and will be stated in class. It is essential that you practice your math and **ASK** for guidance in areas where your understanding is weak. Completion of homework every day **MUST BE** a priority for you!

Grading: Your grade will be based on: the four chapter tests (60%); final (30%); homework, participation, attendance, and quizzes (10%). Letter grades based on the overall percentage: 93 A, 90 A-, 87 B+, 83 B, 80 B-, 77 C+, 73 C, 70 C-, 67 D+, 63 D, 60 D-.

Additional Note: Sexual Harassment/Equity/Diversity statement: As your instructor, I am committed to creating and sustaining a safe and inclusive environment for learning. I expect you, as students, to share this commitment with me as we have a shared responsibility to treat each other with dignity and respect. Mutual respect and nondiscrimination includes freedom from sexual harassment. CWU policy defines sexual harassment as unwelcome, sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature under particular conditions. Title IX considers sexual harassment to be a form of discrimination. If you experience sexual harassment, or know someone who is being sexually harassed, you are encouraged to report concerns to me, another faculty member or employee, or to Gail Farmer, Equal Opportunity, at [509-963-2206](tel:509-963-2206), farmer@cwu.edu, Bouillon 205. Complete policies are available online at www.cwu.edu/hr.

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office or cds@cwu.edu or 963-1202 Bouillon 140. Additional accommodations are possible if you discuss them with the instructor.