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Calculus II
Math 173, Fall 2018
9:00-9:50 a.m. daily, Samuelson 105
11:00-11:50 a.m. daily, Samuelson 106
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Instructor: Dr. Fassett
Office: Samuelson 218J
Phone: 963-2401
Email: Jonathon.Fassett@cwu.edu
Office Hours: 2:00-2:50 MTWTH

Text: (CWU Custom Edition) Calculus: Early Transcendentals, 3rd edition, by Rogawski and Adams

Calculator: A graphing calculator is required for the course. I will be using the TI-84 Plus.

Course Description: Math 173 is intended for students majoring in business, economics, mathematics, science, or technology. The course covers the theory, techniques, and applications of integration of elementary algebraic and transcendental functions.

Course Goals: Upon successful completion of the course, the student will be able to:
- Compute the area under a curve using Riemann sums and the Fundamental Theorem of Calculus;
- Apply various methods for evaluating definite and indefinite integrals;
- Apply Disk and Shell Methods to compute volumes of revolution;
- Utilize integration techniques to compute work;
- Perform algebraic computations involving summations;
- Compute the arc length, surface area and center of mass;
- Communicate verbally and in writing one's understanding of mathematical concepts to others.

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. Please bring the text and a calculator to each class meeting. You are responsible for any announcements made during class regarding homework, quizzes, and exams.

Homework: Daily homework will be assigned but not collected. As the assigned problems will form the basis for quizzes and exams, it is to your advantage (and responsibility) to keep up with homework.

Quizzes: There will be several quizzes worth 20 points each that may or may not be announced in advance. Your top five quiz scores will be counted toward your course grade.

Exams: There will be three 100-point exams announced in advance. No exam score will be dropped. If you miss an exam and have not made prior arrangements with me, a score of "0" will be recorded. Make-up exams will only be allowed in extreme cases.

Final Exam: There will be a comprehensive 150-point final exam.

Grading: In grading written solutions I will be looking for correct mathematical computations **and** precise communication of the computations.

Course Grade: Total points for the course will be based upon the following:

Top five quizzes	100 points
Three in-class exams (100 pts each)	300 points
Final Exam	<u>150 points</u>
Total	**550 points**

Course grades will be assigned based upon the following scale:

100-93% = A	79.9-77% = C+	below 60% = F
92.9-90% = A-	76.9-73% = C	
89.9-87% = B+	72.9-70% = C-	
86.9-83% = B	69.9-67% = D+	
82.9-80% = B-	66.9-63% = D	
	62.9-60% = D-	

I reserve the right to adjust the above scale (in the student's favor) if deemed appropriate.

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.