

Fall 2017 Math 173.02 Calculus 2
12:00 - 12:50 M-F, Bouillon Hall 112

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Office Hours: M-F 10:00 - 11:00
and by appointment.

Course Goals: Math 173 is a second course in calculus, and the main topic is integration. You will learn the definition of the definite integral, and how integration and differentiation are related through The Fundamental Theorem of Calculus. We will learn several methods of integration, including substitution and integration by parts. Finally, we will learn how to use integrals to determine area, mass, volume, force and pressure.

Required Text: Calculus, by Rogawski and Adams, 3rd ed.; CWU custom (Wiley)

1 Grades/Exams/Homework

Grades

Grades will be calculated using the following weighting system: Quizzes: 40%; Homework: 5%; Exams: 55% total, broken up as follows: 15% for each mid-term and 25% for the final and the following scale:

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

Quizzes

We will have a take-home quiz every week, except for those weeks when we have an exam. **Each quiz will be due at noon two days after being handed out.** (So, a quiz you get on Tuesday will be due at noon on Thursday, while a quiz handed out on Wednesday would be due on Friday.) I encourage you to work with other students, but you should write up your solutions in your own words. Notice: quizzes make up 40% of your final grade. We will have 8 quizzes (including one due the last week of classes), which means each quiz is worth 5% of your grade. Failing to turn in quizzes will have serious consequences on your final grade!

Homework

Almost every day in class, you will receive a few homework problems. Problems assigned on a Wednesday or later will be due on the Friday of the following week **at noon**. (For example, the problems assigned September 20, 21, 22, 25 or 26 will all be due on Friday, September 29.) There will be a homework assignment due the last week of class. I will be assigning odd problems from the book and will grade on completion only. This means I'll be most interested in the work you've done - if you just write down an answer, you won't earn any points. It is a good idea to work with other students from class. We won't have time to do every homework problem in class, so please feel free to ask during office hours. However, don't put off asking about homework until the day before it's due!

Late Policy for Homework and Quizzes

Homework and quizzes are due at the start of class (noon) on their due date. Assignments handed in after that time on their due date will lose 4 points immediately, and 4 more points for every 24 hours after. That means: if you hand in a quiz at the end of class on its

due date, you can earn at most 16 out of 20 on that quiz. If you hand in your quiz at the end of class the day after it is due, you can earn at most 12 out of 20, since over 24 hours will have passed.

Exams

There will be three exams: two mid-terms and a final. The first mid-term will be on Wednesday, October 11, the second mid-term will be Wednesday, November 1 and the Final Exam will be on Friday, December 8. The Final Exam will be cumulative, and **CANNOT BE TAKEN EARLY! DO NOT PLAN ON TAKING YOUR FINAL EARLY!** If you miss an exam, you can take a make-up, but only if you have proof of a compelling reason for having missed the exam and notify me before (if possible) or within 24 hours after an exam to get a make-up. I will not give make-ups for circumstances you know about ahead of time! When a make-up exam cannot be taken before I return the corrected exam, I reserve the right to instead replace that portion of your course grade with your final exam grade.

Expectation for Class, Quizzes and Exams

Your quizzes and exams must be written up neatly and legibly, using correct notation. In addition, you should always try and describe what you are doing. For example, if you are trying to calculate $\int xe^{x^2} dx$, you should write “We use u -substitution, with $u = x^2$. Then $du = 2x dx$, and so $\frac{1}{2} du = x dx$. With this substitution, $\int xe^{x^2} dx = \int \frac{1}{2}e^u du = \frac{1}{2}e^u + C = \frac{1}{2}e^{x^2} + C$.”

Failure to use correct notation will not earn full credit. In particular, using equals correctly is important. Writing “ $f(x) = x^2 = 2x$ ” when you mean “ $f(x) = x^2$ implies $f'(x) = 2x$ ” will not earn full credit.

We have a great deal of material to cover in a quarter. As a result, the pace of the class will be very fast, and it may not always be possible to answer every question in class. If you have a question that we weren't able to get to in class, please come by office hours or email me to set up an appointment if you can't make office hours. Please remember: when you come to office hours, **you must bring your notes**. In addition, you are responsible for material discussed in class, even for days you miss.

2 Important Dates

September 26 - Last Day for Add/Drop

October 11 - first mid-term exam

November 1 - second mid-term exam

November 3 - uncontested withdrawal deadline

Friday, December 8 - final exam (12:00 pm - 2:00 pm)

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.