

MATH 171

Calculus I Section 081C

Spring 2020

Time & Place: MW 11:30 AM- 12:30 PM; TR 11:30 AM- 01:00 PM

Place: C-246

Professor: Dr. Khaled Hussein

Office Phone: 920-929-1180

E-mail: husseink@uwosh.edu

Office: C-205

Office Hours: MTWR 10:00 AM-11:15 AM; or by appointment.

Required Course Materials:

- Textbook: Calculus Early Transcendentals, 8th Edition. A paper text book may be purchased but not required. An activation code is required for webAssign.
- Once you have acquired the WebAssign access code, go to www.webassign.com and, when prompted, enter the following class key listed below to enroll in the class: **uwc.fdl 4837 0716**

Prerequisites:

Mathematics 108 or 104 and 106 with grade(s) of C or better or a satisfactory score on a placement examination.

Course Description:

Calculus I is based on the study of real valued functions of a single variable. The course topics include derivatives, antiderivatives, and, if time permits, definite integrals. Applications of differentiation, such as related rates, optimization, and curve-sketching, are also covered

Learning Objectives:

The content goal of this course is that students should learn the skills and techniques of calculus in regard to the following topics: limits and continuity, the definition of the derivative, derivative shortcuts, applications of the derivative theorems, and antiderivatives. In a first semester calculus course, students should broadly gain significant experience with

- Functions as models of physical behavior, graphically, algebraically, and numerically.
- Precise definitions.
- Some proofs.
- Lots of applications (to physics, economics, the sciences, etc.).
- Visualizing data and functions graphically.
- Numerical approximation (to curve fitting, data analysis, derivative, etc.)
- The algebra of calculus (i.e. manipulations)

Topic Covered: Chap 1 Section 1-5
 Chap 2 Sections 1-8
 Chap 3 Sections 1-11
 Chap 4 Sections 1-9
 Chap 5 Sections 1-5
 Chap 6 Sections 1-4

Exams: Three hourly examinations, and a comprehensive Final.

Quizzes: Usually given once or twice a week. They come from previous days lecture and homework questions. I will throw out the bottom 10% of the scores when determining your final grade. Quizzes cannot be made up.

Homework: The only way to learn mathematics is to work problems. So, with this in mind, assignments will be given daily and will be done on WebAssign.

Grading: Your grade will be determined according to the following:

Homework	10%	A: [90-100]	A-: [88, 90)	
Quizzes	15%	B+: [86, 88)	B: [80, 86)	B-: [78, 80)
Exams	50%	C+: [76, 78)	C: [70, 76)	C-: [68, 70)
Final Exam	25%	D+: [64, 68)	D: [61, 64)	D-: [58, 61)
		F: [0, 58).		

Attendance:

Attendance is a necessary part of any class. This is especially true for a math class. Students are expected to attend class regularly, take an active part in class discussions and in-class activities, and do the assigned work. If you miss a class, you are responsible for all assignments and announcements made on that day. You are also responsible to be aware of any changes to the syllabus which may be announced in class.

Cell Phone Policy:

Cell phone use for the purposes of texting, email or other social media is not permitted. Cell phones must be turned off and put away during class. If you have an emergency situation that requires you to be contacted quickly, let me know at the beginning of class and an exception may be made. Cell phone calculators may not be used on exams.

Academic Integrity:

Academic Integrity is an expectation of each college student. Our campus community members are responsible for fostering and upholding an environment in which student learning is fair, just and honest. Through your studies as a UW-Oshkosh student, it is essential to exhibit the highest level of personal honesty and respect for the intellectual property of others. Academic misconduct is unacceptable. It compromises and disrespects the integrity of our university and those who study here. To maintain academic integrity, a student must only claim work which is the authentic work solely of their own, providing correct citations and credit to others as needed. Cheating, fabrication, plagiarism, unauthorized collaboration and/or helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. Failure to understand what constitutes academic misconduct does not exempt responsibility from engaging

in it. For more information, please read <https://www.uwosh.edu/deanofstudents/university-policies-procedures/academic-misconduct>

Disclosure Statement: Students are advised to see the following URL for disclosures about essential consumer protection items required by the Student Right-to-Know Act of 1990: <https://uwosh.edu/financialaid/consumer-information/>