

Calculus I (67-171) (5 Credits)

Spring 2020

SECTION	TIME	DAYS	ROOM
003	12:40 PM– 1:40 PM	MTWRF	Swart 303
004	3:00 PM– 4:00 PM	MTWRF	Swart 5

INSTRUCTOR: Dr. Hong Zhang

OFFICE: Swart 206

PHONE: 424-7353

E-MAIL: zhang@uwosh.edu

OFFICE HOURS: 10:20AM-11:20AM (MTWF), or by appointment.

REQUIRED MATERIALS:

Text: Calculus: Early Transcendentals, 8th edition (with WebAssign access code), by *James Stewart*. The textbook will also be used for Calculus II (67-172) and Calculus III (67-273). You may choose to purchase access code for WebAssign for Stewart's Calculus: Early Transcendentals, Single-Term, or Multi-Term (all semesters of Calculus). You may also choose to purchase either an access code (ebook included) for WebAssign, or both access code and a hardcopy of the textbook. On the WebAssign, you would need the following information to enroll to the course.

For **Calculus I, Section 003:** course Key: **uwosh 3205 9296**

For **Calculus I, Section 004:** course Key: **uwosh 4641 1798**

The WebAssign gives you free access for two weeks after the start of the class. Before register on WebAssign, please refer to page 5 of this document.

Calculator: A TI-84, 84+ Graphing Programming Calculator is required for homework, quizzes and exams. The TI-89, TI-92, TI-Nspire CAS (or similar calculator with symbolic capability) will not be allowed on exams and quizzes.

COURSE DESCRIPTION:

Math 171 Calculus I (5 credits) (XM)

Calculus 1 is based on the study of real valued functions of a single variable. The course topics include limits and continuity, derivatives, antiderivatives, definite integrals and Riemann sums. Applications of differentiation and integration are also covered.

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

LEARNING OBJECTIVE: Upon successful completion of the course, students should be able to

- Communicate problem solutions, interpretations, and ideas and techniques of calculus in clear and well-organized written form, including the proper use of notation.
- Understand the concepts of limit and continuity and compute limits of functions.
- Understand the definition of the derivative and interpret derivative graphically and as instantaneous rate of change.
- Use differentiation rules to compute derivatives of elementary functions as well as their inverses, compositions, arithmetic combinations, and implicitly defined functions.
- Apply derivatives to curve sketching, optimization problems and computing limits.
- Understand the definition and fundamental idea of the definite integral.
- Understand the fundamental theorem of calculus and use it to calculate definite integrals.
- Find antiderivatives of standard elementary functions.
- Evaluate antiderivatives using the method of substitution.
- Apply definite integrals to compute areas and volumes.

COURSE OUTLINE: We will cover chapters 2,3,4,5 and 6 of the textbook.

UNIVERSITY STUDIES PROGRAM: Math 171 is an Explore course in the Nature category of UW Oshkosh's University Studies Program. As part of a liberal education, explore courses support a broader understanding of the physical and natural world and develop transferable skills, like problem solving, which may be utilized in daily and professional life. Math 171 students will participate in Early Alert program and receive emails from the registrar's office during the 5th week of classes on academic performance and attendance for each of their classes.

ACADEMICACCOMODATIONS: The University of Wisconsin Oshkosh supports the right of all enrolled students to a full and equal educational opportunity. Please contact **Accessibility Center** (Dean of Students Office 125 Dempsey Hall 424-3100) for the University's accommodation request form and documentation requirements.

TUTORING RESOURCES: The Center for Academic Resources (CAR) provides free tutoring service for undergraduate students on campus. You can check out their webpage (www.uwosh.edu/car) for a list of tutors. If you have any questions or concerns, please come to see me.

ATTENDANCE: You will be expected to attend each class and remain for the duration. Coming 15

minutes late or leaving 15 minutes early constitutes an absence for the student. You are allowed to miss class twice without penalty. For each additional absence, you will lose one-fourth of a percentage point from your attendance and class participation grade. If you miss a class, you are responsible for all material covered, assignments and all announcements made that day. Students who miss class due to illness or other significant personal issues are encouraged to complete the Out of Class Letter Process through the Dean of Students Office (Dempsey, Room 125). After instructor receives notification from the Dean of Students office, it will be up to the instructor's discretion to excuse the absence. Please visit <http://www.uwosh.edu/deanofstudents> for additional information.

HOMEWORK: Many problems from the text will be assigned but will not be collected. You should do the problems in order to learn the proper application of the techniques and concepts covered in the text. Some of these problems also appear on the WebAssign, an online homework system.

QUIZZES: There will be six quizzes throughout the semester, only five counts. All quizzes will be given **in class** except **Quiz 3**. In the event that classes are officially canceled on the day of a quiz, you should assume that the quiz will be given the next day that the class meets.

Quiz Schedule

Feb. 13 Quiz 1	March 5 Quiz 2	April 2-3 Quiz 3 At the Testing Center	April 23 Quiz 4	May 7 Quiz 5
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EXAMS: There will be four exams.

EXAM	TOPICS	DATE	LOCATION
Exam 1	Chapters 2	February 20, 2020	Testing Center (Polk 2)
Exam 2	Chapter 3	March 12, 2020	Testing Center
Exam 3	Chapter 4	April 14, 2020	Testing Center
Exam 4	Chapters 5, 6	May 14-15, 2020	Testing Center

Please be aware that the Testing Center hours are 8:00am-4:30pm (MTuWThF). The Testing Center is located at the basement of POLK library (Polk 2).

MAKE-UP EXAMS/QUIZZES will be given only when student has a valid university excuse and prior notice. If a make-up exam/quiz is allowed, it may contain a different number of questions and/or different types of questions.

GRADING SCALE:

Exams 1-4 (19% each), total for exams: 76%

Four Quizzes: 10%

Assignments on WebAssign: 12%

Class attendance and participation: 2%

Your course letter grades will be assigned based on the followings:

TOTAL	GRADE	TOTAL	GRADE	TOTAL	GRADE
90%-100%	A	78%-80.99%	B-	63%-65.99%	D
87%-89.99%	A-	75%-77.99%	C+	60%-62.99%	D-
84%-86.99%	B+	70%-74.99%	C	0-59.99%	F
81%-83.99%	B	66%-69.99%	D+		

LAST DAY TO Withdraw WO LADRF: 3/18/2020

Please be aware that there will be NO curve at the end of the semester.

ACADEMIC INTEGRITY: “Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors.” In addition, it expects active participation and equitable contributions of students involved in group assignments. Cheating on an exam, plagiarizing or any other form of academic dishonesty will be dealt with in accordance with the UWS 14.03, Wisconsin Administrative Code (<https://www.uwosh.edu/deanofstudents/university-policies-procedures/UWSChapter14.pdf>). The instructor reserves the right to assign a grade of F for the course should circumstances warrant.

CELL PHONES: If you bring a cell phone to class it must be off or set to a silent mode. Should you need to answer a call during class, you must leave the room in an undistruptive manner. Out of respect to fellow students and the professor, texting is never allowable in class. If you are required to be on call as part of your job, please advise me at the start of the course.

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/>.

Required Course Materials

This course will require **WebAssign** from Cengage. **WebAssign** contains the eBook, various study tools, homework, and assignments. **NOTE:** You will have several purchase options outlined below, so I advise that you choose the “14-day trial access” when you initially log into WebAssign before making your purchase choice.

Purchase Options - choose the best ONE for you:

1. 1-semester WebAssign homework + eBook for Stewart Calculus Early Transcendentals.
2. Multi-term WebAssign homework + eBook for Stewart Calculus Early Transcendentals. Best for if you are taking multiple calculus courses.
3. Buy Cengage Unlimited Subscription. With a Cengage Unlimited subscription, you get **WebAssign** and more! \$119.99
 - This is the perfect option if you are taking additional courses that use Cengage materials.

Direct-to-student site: <http://www.cengagebrain.com/course/3570787>

What is Cengage Unlimited? It is a digital subscription service (think Netflix or Apple Music) which can save you a lot of money. With Cengage Unlimited you can access ANY Cengage materials you are using across ALL of your courses AND a library of 20,000 eBooks, study guides, reference materials, and online platforms (MindTap, CNOW, WebAssign, SAM, OWL, iLrn, 4LTR).

You can get a print textbook rental when you activate WebAssign for only \$7.99 and free shipping.

Getting Registered

To access your course materials and explore Cengage Unlimited, first register at www.webassign.net. If you have used Cengage products before, please use your Cengage login credentials.

Student registration instructions: <https://www.cengage.com/student-training/webassign/not-integrated/ia-no/>

Course Key:

Math171Spr2020, section 003 - uwosh 3205 9296

Math171Spr2020, section 004 - uwosh 4641 1798

If you have questions or issues about WebAssign, following are a couple of options for you. Please don't contact your professor with WebAssign issues.

- To verify the system is up, please go to <https://techcheck.cengage.com/> (Links to an external site).
- If you have specific technical issues, please contact technical support 24/7
 - 1-800-354-9706
 - Online chat and self-help www.cengage.com/support (Links to an external site).
 - Make sure to allow pop-ups: https://www.cengage.com/lms_docs/system_check/popupsfailed/popupsfailed_chrome.htm

If you haven't received a response back from technical support in 24-48 hours, please email lisa.bowers@cengage.com.