Math 172: Calculus II
Spring 2020

Section	Class Time	Room
003	1:50 - 2:50 MTWF	Swart 13

Instructor: Dr. Syed Kamran Kazmi **Office:** Swart 201
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OFFICE HOURS: MTWF: 12:40 – 1:40. I am happy to meet with you at other times if these do not work with your schedule. Please contact me by email or talk to me in class to schedule an appointment.

PREREQUISITES: Math 171 with a grade of C or better.

TEXT: *Calculus: Early Transcendentals (*with a WebAssign access code), 8th edition by James Stewart.

WEBASSIGN: For registration go to the website https://www.webassign.net/. You will need the following class key to register for this course.

CLASS KEY: uwosh 3459 3084

CALCULATOR: TI 83 or TI 84. Consult with me if you want to use any other calculator for quizzes and exams. In no case, you will be allowed to use any symbolic algebraic calculators (e.g. TI Nspire) on quizzes or exams.

COURSE COVERAGE: We will cover topics from chapters 7, 8, 9, 10, and 11 of the textbook.

COURSE DESCRIPTION: Techniques of integration, improper integrals, elementary differential equations and mathematical modeling, sequences and series, Taylor series, and parametric equations.

LEARNING OUTCOMES:

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

- Communicate problem solutions, interpretations, and ideas and techniques of this course in clear and well-organized written form, including the proper use of notation.
- Evaluate indefinite, definite, and improper integrals using various techniques of integration.
- Set up and solve mathematical models involving ordinary differential equations.
- Understand the definitions of sequences, series, and alternating series.
- Compute limits of sequences.
- Test series for convergence using integral and comparison tests.
- Determine absolute convergence using ratio and root tests.
- Understand the definition of power series, and find the radius and interval of their convergence.
- Represent functions as power series including Taylor and Maclaurin's series.
- Understand the calculus of polar and parametric curves.

EXAMS: There will be three in-class exams. **Dates of exams will be announced at least a week in advance.** It is very important that you take the examinations at the scheduled times. **Make up exams will be scheduled only for those with university approved absences.**

QUIZZES: A weekly quizzes will be given, usually on a Friday. They will be short (approx. 10 minutes) and based on topics studied in class and your homework. No makeup quiz will be allowed unless you have a valid excuse for missing the quiz. One lowest quiz score will be dropped.

IN CLASS ACTIVITIES: We will spend some time on short in-class activities intended to reinforce the concepts learned. For some of these activities, you will work individually and for others you will work in small groups. You are expected to actively participate in these activities.

HOMEWORK: Homework will be assigned each class period. Doing problems reinforces the concepts learned in the class and is crucial to learning mathematics. Moreover, doing homework problems is a good preparation for the exams and quizzes.

An online homework system **WebAssign** will be used to assign and grade most of the homework problems. WebAssign is an excellent online tool that provides you immediate feedback on the correctness of your answers. You can access WebAssign at www.webassign.net.

WEBASSIGN TECHINCAL SUPPORT

If you have questions or issues about WebAssign, following are a couple of options for you.

- To verify the system is up, please go to Techcheck.
- 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.
    - Make sure to allow pop-ups: https://www.cengage.com/lms_docs/system_check/popupsfailed/popupsfailed_chrome.htm
    - Enabling Flash Player: https://www.webassign.net/manual/instructor_guide/common/tbs-a-flash-disabled.htm

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

CENTER FOR ACADEMIC RESOURCES: The Center for Academic Resources (CAR) provides free, confidential tutoring for students in most undergraduate classes on campus including Math 172. CAR is located in the Student Success Center, Suite 102. Check the Tutor List page on CAR's website http://www.uwosh.edu/car for a list of tutors. If your course is not listed, click on a link to request one, stop by SSC 102 or call 424-2290. To schedule a tutoring session, simply email the tutor, let him/her know what class you are seeking assistance in, and schedule a time to meet. Tutoring takes place in SSC 102. Visit the center's website for more information.

DISABILITY ACCOMMODATIONS: It is the University's policy to provide reasonable accommodations to students who have documented disabilities that may affect their ability to participate in course activities or to meet course requirements. Students are expected to inform instructors of the need for accommodations as soon as possible by presenting an Accommodation Plan from either the Accessibility Center, Project Success, or both. The Accessibility Center is located in 125 Dempsey Hall. For more information, email accessibilitycenter@uwosh.edu, call 920-424-3100, or visit the Accessibility Center Website (https://uwosh.edu/deanofstudents/accessibility-center/).

ATTENDANCE POLICY: 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.

ACADEMIC INTEGRITY: As a UW Oshkosh student, it is your responsibility to be informed about what constitutes academic misconduct, how to avoid it and what happens if you decide to engage in it. Examples of Academic Misconduct include, but are not limited to: Plagiarism; Copying another student's homework, assignment; Cheating on an exam; etc. Any form of academic misconduct will be dealt with in accordance with UW system policy UWS 14. Penalties that may be imposed include a failing grade for the course, disciplinary probation, and expulsion from the university.
https://uwosh.edu/deanofstudents/student-conduct/academic-misconduct/

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 there is a need to leave your cell phone on, such as a family emergency, please put it on vibrate and leave the room quietly to take the call.

CANVAS WEBSITE: Canvas is the University's system for online grade keeping and course management. I will post the lecture slides and your quiz and exam grades on Canvas. Any supplementary material related to the course will also be placed there. You can access Canvas by logging in at canvas.uwosh.edu.

GRADING:

Exam 1	22%
Exam 2	22%
Exam 3	22%
Quizzes	20%
Home Work	14%

The final grade will be given according to the following scale:

Letter Grade	%
A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62