

THE UNIVERSITY OF AKRON

Department of Mathematics

MATH:149, Section 003

Precalculus

4 credits

Fall 2023

INSTRUCTOR: Mr. Jonathan Hafner

office: CAS 246

email: jhafner@uakron.edu

website: <https://www.hafner.us/ua/>

TEXT: *Precalculus* by John W. Coburn, 2nd edition, McGraw Hill 2010. The text is available as an e-book from within the ALEKS course. Also, you may purchase an optional loose leaf text from the campus bookstore (ISBN: 9781307627664).

PREREQUISITES: [MATH:145 with a grade of C- or better], or Placement. You are responsible for having the appropriate prerequisite. Not having the right prerequisite may cause the withdrawal of your name from the course without refund.

LEARNING OUTCOMES: The ultimate goal of the course is to have the necessary tools to complete the MATH:221, 222, 223, 335 Calculus and Differential Equations sequence. This requires the skills to graphically and algebraically analyze exponential, logarithmic, and trigonometric functions, as well as to solve equations involving them. Other required skills and topics include solving systems of linear equations by matrix methods and determinants and an introduction to sequences and series.

CALCULATOR: The use of a scientific or graphing calculator **without computer algebra capabilities** is permitted on most assignments and required for some assignments. If you do not have a calculator of your own, a calculator is built into most of the ALEKS assignments for which it is needed, and other acceptable free online calculators will be shared by the instructor when they are needed. Calculators will be **prohibited** on some assignments, with prior notice.

[Examples of approved calculators include the TI-83, TI-84+, TI-Nspire non-CAS, Casio fx-9750GIII, and Casio Prizm fx-CG50, but any downloadable computer algebra module, Zoom Math for example, **must be deleted**.

Graphing calculators with built-in computer algebra functionality are **not** allowed; examples of calculators that are **not** allowed include the Texas Instruments models TI-89, TI-92, TI-Nspire CAS; HP models Prime, 48GII, 40G, 49G, 50; and Casio models fx-CP400, ClassPad 300 or 330, Algebra fx 2.0, CFX-9970G.

If you are uncertain as to whether or not your calculator is acceptable, check with your instructor at the beginning of the course. **The use of an unacceptable calculator on a quiz or test is strictly prohibited.**

OFFICE HOURS: Mon/Wed, 1–2pm. Also office hours by appointment.

TESTS, QUIZZES, AND HOMEWORK: There will be **four** tests **and** a uniform **comprehensive** final exam. In addition, a quiz/worksheet will be given every Friday that a test is not given. Daily homework assignments are found online in ALEKS and are to be completed by the due dates listed in ALEKS.

GRADES: Each of the tests will be worth 75 points, the final **150** points, and each quiz/worksheet **15** points. Quizzes and tests are based on all problems assigned.

Homework (an assignment for each section, prerequisites for most sections (modules), and “additional practice” assignments) will be completed online, through ALEKS, for a total of **100 points** (scaled). The total points for quizzes and worksheets will be **scaled to 150 points**. This gives a total of **700 points** for the semester. The final grading scale will be:

$F < 60\% \leq D \dots D+ < 70\% \leq C \dots C+ < 80\% \leq B \dots B+ < 90\% \leq A < 92\% \leq A$

POLICIES*: Make-up quizzes and tests may be given at the instructor’s discretion due to excused absences (for medical reasons, religious observances, etc.). In the case of a missed quiz or test, permission **prior** to missing the quiz or test is needed to be considered for a make-up. No withdrawals after **October 15, 2023**. (Effective Fall 2011 a new withdrawal policy is in place. Details for the policy are in board rule 3359-20-051 found at <http://www.uakron.edu/ogc/UniversityRules/pdf/20-05.1.pdf>.) For success in online courses, it is very important to keep up with the course material. **Due to this, attendance, in the form of attending class, completing ALEKS assignments, and taking tests and quizzes, is required.** A pattern of not meeting these requirements may cause the reduction of the course grade by one letter. Plus and minus grading system will be used. **Students whose names do not appear on the university's official class list by September 10, 2023 will not be permitted to participate** (view course materials, take exams, or receive credit).

WRITTEN WORK/GRADING POLICY: In order to receive credit for your answers on quizzes, tests, and the final exam, your written work should show all of your work needed to solve the problem, not just your final answer.

***This syllabus is subject to change at any time. Updates will be communicated on Brightspace and by email.**

FINAL EXAM: The common final exam for this course will be on **Tuesday, 12/12 from 7:45 - 9:45 AM**. Please ensure that you are available at this time for the exam.

STUDENTS WITH DISABILITIES: Pursuant to University policy #33-59-20-01 subsection C, The University of Akron recognizes its responsibility for creating an institutional atmosphere in which students with disabilities have the opportunity to be successful. Any student who feels he/she may need an accommodation based on the impact of a disability should contact the Office of Accessibility at 330-972-7928 (v), 330-972-5764 (tdd) or access@uakron.edu. The office is located in Simmons Hall Room 105. Accommodation letters for students with certified disabilities will be sent to instructors electronically. Students will request and coordinate all of their accommodations through the Student Testing and Accommodation Request System (STARS).

IMPORTANT NOTICE: The University of Akron is committed to providing an environment free of all forms of discrimination, including sexual violence and sexual harassment. This includes instances of attempted and/or completed sexual assault, domestic and dating violence, gender-based stalking, and sexual harassment. If you (or someone you know) have experienced or experiences sexual violence or sexual harassment, know that you do not need to handle this alone. Help is available, regardless of when the violence or harassment occurred, and even if the person who did this is not a student, faculty or staff member. Confidential help is available. If you wish to speak to a professional, in confidence, please contact:

University Counseling and Testing Center – <https://www.uakron.edu/counseling>
330-972-7082

Rape Crisis Center – 24 Hour Hotline: 877-906-RAPE

The office is located in the Student Rec and Wellness Center 246 and the office number is: 330-972-6328

University Health Services – <https://www.uakron.edu/healthservices> 330-972-7808

Please know that I, as well as the majority of other University of Akron employees, am considered to be a “responsible employee” under the law and am required to report sexual harassment and sexual violence. If you tell me about a situation, I will be required to report it to the Title IX Coordinator and possibly the police. You will still have options about how your case will be handled, including whether or not you wish to pursue a law enforcement or complaint process. You have a range of options available and we want to ensure you have access to the resources you need. Additional information, resources, support and the University of Akron protocols for responding to sexual violence are available at <https://www.uakron.edu/Title-IX/>.

DIVERSITY STATEMENT: This class, as well as the broader University of Akron community, respects diversity and strives for equity and inclusion of all students. Diversity includes how we as individuals identify along the lines of race, color, religion, sex, sexual orientation, gender identity or expression, age, national or ethnic origin, citizenship status, disability, status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, military status, genetic information, or status as a veteran. Inclusion and respect for diversity make the classroom and the larger community stronger and foster dialogue and democratic decision making. As part of ensuring this class is a safe space for all students, please avoid use of negative stereotypes and insensitive or hateful statements toward groups of people. Please respect your classmates’ pronouns. Each of us is responsible for creating a safer, more inclusive environment. If you feel there is something I can do to make the classroom more inclusive please let me know either in person, via email, or by placing an anonymous note in my mailbox. For support services on campus, go to <https://www.uakron.edu/ie/lgbtq> or <https://www.uakron.edu/zipassist>.

AI POLICY: AI tools (such as ChatGPT) are powerful tools, and students should be sure that they understand their instructor’s policy regarding the use of AI tools for this course. The use of such technologies to help produce any portion of work submitted for a grade in this course will violate the Code of Student Conduct as cheating, plagiarism, fabrication, unauthorized collaboration, misrepresentation, and/or gaining an unfair advantage. The Code of Student Conduct is a University rule that provides the framework for the student conduct process at the University of Akron and defines student misconduct and the process that the University will use to address student misconduct reported to the Department of Student Conduct and Community Standards. Students at The University of Akron are responsible to know and abide by the Code of Student Conduct and all University rules, regulations, and policies.

INFORMATION: The Provost would like all students to view the information found at this link, including the Religious Accommodations for Students policy:
<https://www.uakron.edu/oaa/faculty-affairs/what-students-need-to-know>