

Math 109-018

College Algebra

Fall 2019

Instructor: Dr. Michael Penkava**Phone:** (715) 836-4970**Class Time:** 5:00-6:50pm M, W**Office:** 522 Hibbard**email:** penkavmr@uwec.edu**Place:** 309 Hibbard**Fax:** (715) 836-2924**Web Page:** <http://people.uwec.edu/penkavmr/penkavmr.htm>**Text:** *College Algebra, by Miller and Gerken, Second Edition***Prerequisites:** A passing grade in Math 020 or 2 years of college prep algebra and a suitable score on the Mathematics Placement Test. Students who do not meet the prerequisites may be automatically dropped from the course.**Course Outline:** Chapters 2-4, with some material from chapter 1.**Grading:** Grade based on daily quizzes, four exams, and a final exam. Attendance will be gauged by participation in the daily quizzes, for which there will be no makeups allowed.

If you miss an exam, see me as soon as possible.

Method 1: Each exam 15%, Final Exam 20%, quizzes 20%.**Method 2:** Best three exams 15% each, Final Exam 35%, quizzes 20%.**Office hours:** Office hours will be announced, but I will be happy to see you by appointment as well.**Review Sessions:** Before each exam, there will be a review session in the evening, a day or two before the exam. Attendance is optional but suggested.**Homework:** Homework will be assigned every day, and will be the basis of daily quizzes. Students are encouraged to work together on the homework assignments.**Drop Deadlines:** The university drop deadline (no record on your transcript) is September 18, but the math department has a drop down deadline of September 25 to drop down to a lower math course. On the other hand, if you think you might be able to move up to a higher course, please contact me before September 18, and we may be able to move you up. The deadline to withdraw from the course (with a w on the transcript) or from the university is November 13.

The University of Wisconsin-Eau Claire Liberal Education (LE) Core curriculum serves as a strong foundation for all of our academic programs. Our LE Core embodies the Power of [AND] in its design. It has been developed to ensure that you acquire the knowledge AND skills AND responsibility that you will need to actively engage in a global society. Through meeting the requirements of the LE Core you will develop the ability to think critically, creatively and independently. You will learn to integrate and apply your knowledge and develop the values essential to becoming a constructive global citizen. The outcomes below will empower you and prepare you to deal with complexity, diversity, and change in multiple settings. They will also develop highly marketable skills and lead to life-long learning and civic engagement.

Liberal Education Outcomes: This course addresses the Liberal Education Outcome S2, which is the second of the Skills outcomes. It is described as follows:

Use mathematical, computational, statistical, or formal reasoning to solve problems, draw inferences, and determine the validity of stated claims. In order to implement the outcome, the rubric below will be used to evaluate how well students achieve the outcome.

| Element | Benchmark not met | Benchmark met | Benchmark exceeded |
|---|---|--|--|
| A. Organization: Student converts or organizes information into a useful format for the appropriate formal technique (e.g. graphs, diagrams, tables, formulas). | Does not adequately demonstrate conversion or organization of information into a useful format for the appropriate formal technique | Mostly successful at converting or organizing information into a useful format for the appropriate formal technique | Mastery at converting or organizing information into a useful format for the appropriate formal technique |
| B. Implementation: Student applies the appropriate formal techniques for solving problems or deriving answers in the given domain. | Does not adequately demonstrate application of the formal technique for solving problems or deriving answers in the given domain. | Mostly successful at application of the formal technique for solving problems or deriving answers in the given domain. | Mastery at application of the formal technique for solving problems or deriving answers in the given domain. |
| C. Interpretation: Student demonstrates an understanding of | Does not adequately demonstrate an understanding of the | Mostly successful at demonstrating an | Mastery at demonstrating an understanding of the significance |

| | | | |
|---|---|--|---|
| the significance of the results obtained for drawing conclusions or solving problems. | significance of the results obtained for drawing conclusions or solving problems. | understanding of the significance of the results obtained for drawing conclusions or solving problems. | the results obtained for drawing conclusions or solving problems. |
|---|---|--|---|

The rubric above will be used to evaluate how well the course is succeeding in meeting the outcome. The benchmarks will be analyzed by determining how well students perform on certain problems on the final exam. The benchmark criteria are not used directly in evaluation students grades in the course. Instead, the benchmarks are used to evaluate how well we, as a university, are succeeding in delivering the outcomes we intend.

Math 50 Responsibilities: If you are co-enrolled in Math 50, 30% of your grade will be determined by actions in this class. In order to meet the requirements, it will be expected that Math 50 students will visit my office hours at least once per week.

Any student who has a disability and is in need of classroom accommodations, please contact the instructor and the Services for Students with Disabilities Office in Old Library 2136 at the beginning of the semester.

I consider any academic misconduct in this course as a serious offense, and I will pursue the strongest possible academic penalties for such behavior. The disciplinary procedures and penalties for academic misconduct are described in the UW-Eau Claire Student Services and Standards Handbook (<http://www.uwec.edu/sdd/publications.htm>) in the section titled, "Chapter UWS 14—Student Academic Disciplinary Procedures.