

CASPER COLLEGE COURSE SYLLABUS  
**MATH 0930-01: Intermediate Algebra**

**Semester/Year:** Fall, 2015

**Lecture Hours:** 4

**Lab Hours:** 0

**Credit Hours:** 4

**Class Time:** 10:00am–10:50am

**Days:** M, T, W, Th

**Room:** PS 209

**Instructor's Name:** Kevin J. McDermott

**Instructor's Contact  
Information:**

**Office:** PS 212  
**Office Phone:** 268-2704

**Email:** [kmcdermott@caspercollege.edu](mailto:kmcdermott@caspercollege.edu)

**Office Hours:** Monday: 12:00 pm – 1:00 pm & 5:00 pm – 5:30 pm  
Tuesday: 12:00 pm – 1:00 am & 5:00 pm – 6:00 pm  
Wednesday: 12:00 pm – 1:00 pm & 5:00 pm – 5:30 pm  
Thursday: 12:00 pm – 1:00 pm  
Friday: 10:00 am – 12:00 pm by appointment only

**Course Description:** The study of rational equations, radical equations, quadratic equations, exponential equations and logarithmic equations, includes numerous applications of these equations and the study of graphing

**Statement of Prerequisites:** A “C” or better in MATH 0920, or an ACT math score of 21 or better, SAT score of 500 or better, or an appropriate COMPASS exam within the past year.

**Goals:** The analysis of:

1. Rational Expressions and Equations
2. Functions and Graphs
3. Inequalities and Problem Solving
4. Exponents and Radicals
5. Quadratic Functions and Equations
6. Exponential and Logarithmic Functions
7. Basic Graphing Calculator Proficiency

**Objectives:** Students who complete this course will:

1. Be familiar with functions, including function notation, composition and math.
2. Work with rational expressions and solve rational equations.
3. Work with radical expressions and solve radical equations.
4. Graph and analyze quadratic equations.
5. Use quadratic functions in applications.
6. Graph exponential and logarithmic functions.
7. Use exponential and logarithmic equations in applications.

**Methodology:** I plan to teach this class with short lectures followed by examples and then interspersed with student/team activities. I would like to implement some small group work where appropriate. Please feel free to ask questions at **any** time. I encourage small group, math related discussions during the activities.

**Evaluation Criteria:** Homework for the entire semester will be assigned the first day of class. Remember you are in college and it is your RESPONSIBILITY to complete the homework! Always make sure to get your questions answered.

There will be 7 assignment based quizzes throughout the semester, worth 20 points each. Several of these will be take-home quizzes, and I will drop the lowest two quizzes for a total of 100 points. Since I will drop two quizzes, there will be No Make-ups!

There will be 5 exams throughout the semester, each covering approximately 1 - 2 chapters. These tests will be worth 100 points each, for a total of 500 points. Grades will be based on a strict scale, as follows:

A: 540 – 600 points (90% - 100%)

B: 480 – 539 points (80% - 89%)

C: 420 – 479 points (70% - 79%)

D: 360 – 419 points (60% - 69%)

F: less than 360 points

Please let me know ahead of time if you are unable to make it to class for an exam. These need to be made up before the test date or at the latest BEFORE the next class period.

**Required Text, Readings, and Materials:** Beginning & Intermediate Algebra, 5<sup>th</sup> Edition, by Lial, Hornsby, and McGinnis.

**Last Date to Change to Audit Status or to Withdraw with a W Grade:** The last date to withdraw or switch to audit is Thursday, November 12, 2015.

**Student Rights and Responsibilities:** Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head – Debra Swedberg, the Dean – Grant Wilson, and lastly the Vice President for Academic Affairs – Shane Powell.

**Academic Dishonesty:** (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

**ADA Accommodations Policy:** If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, [bheuer@caspercollege.edu](mailto:bheuer@caspercollege.edu). The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

**Tentative Schedule:**

Week 1	Review Sections 5. 1 – 5.4, Section 5.5
Week 2	Sections 6.1 – 6.2
Week 3	Sections 6.3 – 6.5
Week 4	Section 6.6, Review Chapters 5 and 6, Exam 1
Week 5	Sections 7.1 – 7.3
Week 6	Sections 7.4 – 7.5 and Section 9.1
Week 7	Section 9.2, Review Chapters 7 and 9, Exam 2
Week 8	Sections 10.1 – 10.3
Week 9	Sections 10.3 – 10.6
Week 10	Section 10. 6 – 10.7, Review Chapter 8
Week 11	Exam 3, Sections 11.1 – 11.2
Week 12	Sections 11.3 – 11.6
Week 13	Section 11.6 – 11.7,
Week 14	Review Chapters 11, Exam 4
Week 15	Section 12.1 – 12.4 Review Chapter 12
Week 16	Final Exam Review
Exam Week	Final Exam