

**CASPER COLLEGE COURSE SYLLABUS**  
**MATH 0930-R02 Intermediate Algebra**

**Semester / Year:** Fall 2015

**Lecture Hours:** 4                      **Credit Hours:** 4

**Days:** MTuWTh                      **Room:** PS 109

**Instructor's Name:** Debra Swedberg                      **e-mail:** swedberg@caspercollege.edu

**Instructor's Office #:** PS 343 (7<sup>3</sup>)                      **Phone:** (307) 268-2251 w/voice mail

**Office Hours:** 9:00-9:50 F; 10:00-10:50(M-F); 11:00-11:50 (F in MLC PS 104); 1:00-1:50 (M & W); PS 343; by phone (307-268-2251); or by e-mail in other times are available by appointment.                      **Contact Information:** IN PERSON IN MY OFFICE: Moodle.

**Outcomes for Casper College Graduates:**

1. Demonstrate effective oral and written communication
2. Use the scientific method
3. Solve problems using critical thinking and creativity
4. Demonstrate knowledge of diverse cultures and historical perspectives
5. Appreciate aesthetic and creative activities
6. Use appropriate technology and information to conduct research
7. Describe the value of personal, civic, and social responsibilities
8. Use quantitative analytical skills to evaluate and process numerical data

**Course Description:** (4L, 4CR) 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:** ACT Math score of 21 or better; or a COMPASS placement score in the Algebra domain of 40-65, within the past year or a C or better in MATH 0920 or MATH 0924.

**Goal:** The purpose of this course is to provide you with the skills necessary to successfully complete future college level mathematics courses. Topics we will study include: problem solving, variables, linear equations, ratios, proportions, systems of equations, polynomials, and exponents.

**Outcomes for this class:**

Students should:

- Be able to simplify, add, subtract, multiply, and divide rational expressions and solve rational equations and applications.
- Be able to simplify rational exponent expressions and solve radical equations.
- Be able to solve quadratic equations and applications, and graph quadratic functions.
- Be able to use function notation and find inverse functions.
- Be able to convert between exponential and logarithmic notation.

**Methodology:** This course format is called "Course Redesign". What that means to you is that it you are able to move as quickly as you can; your primary instruction modality is your computer through an online homework, quiz and exam system called MyMathLab. This course requires that you be self-motivated and self-disciplined to stay on topic. It isn't for everyone but works GREAT for those who are. [swedberg36442](#)

**Evaluation Criteria:** This is a mastery based course. This means that you must master the material in each section before you are allowed to move onto the next section. The requirements to pass an item are as follows: HW 80%; Quizzes 75%; Exams 70% (these exams are password protected and must be taken in the presence of a proctor). Your scores on these activities do not count toward your final grade in any way. Your final grade is determined by the amount of work and time that you do each week. You will have the potential to earn up to 10 points each week. The distribution of these are as follows:

1 pt. for each hour of work in MML*	Max of 5 pts
Pass a Module test	4 pt. 4 pt./test
Weekly Quiz	1 pt. Max of 1 pt.

\*Note that work in MML is restricted to work done on homework, quizzes and exams.

**Grading:** Your grade will be determined by your weekly points, your score on the final and your incompleteness penalty\*\*. Please plan to attend class. Those who have been successful in this format also attend class every day! Notice that is not only helpful that you work outside of class; it will impair your grade if you do not.

\*\*Incompleteness Penalty is defined as follows: if you do not finish all 12 modules then you will be assigned a final grade of F

**Required Text, Readings, and Materials:** MyMathLab Code; textbook is optional, as there is an online, electronic copy of this textbook. This course is based on [Lial: Beginning & Intermediate Algebra](#), 5e, Copyright 2013 Pearson Education.

**Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade:**

**Thursday, November 12<sup>th</sup> is the last day to withdraw from this class.  
It is strongly observed!**

**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/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

**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.

**Calendar and schedule indicating course content:** See MyMathLab for the prescribed minimum pace to complete this course.

**Calendar or schedule indicating course content:** The schedule for the prescribed minimum pace to complete this course follows.

**Let’s make this a GREAT SEMESTER!?!?!?**

<b>Week #</b>	<b>Module Schedule*</b>	<b>Minimum Due Date</b>
1	Log in and Set up	8/24/15
2	#13	8/31/15
3	#14	9/7/15 (Labor Day – no class)
4	#15	9/14/15
5	#16	9/21/15
6	#17	9/28/15
7	#18	10/5/15
8	#19	10/12/15
9	Fall BREAK!	10/19 & 10/20 off; 10/21-10/22/15 class
10	#20	10/26/15
11	#21	11/2/15
12	#22	11/9/15 (last day to WD 11/12)
13	#23	11/16/15
14	#24	11/23/15 (Thanksgiving)
15	Begin Math 1400!?!?!? ☺	11/30/15
16	Catch up	12/7/15
17	Finals Week	12/14/15* Finals Week to catch up

\*Refer to MML schedule to verify what is entailed within each Module listed above.