

CASPER COLLEGE COURSE SYLLABUS  
MATH 1400, Section 4, Pre-Calculus Algebra

**SEMESTER/YEAR:** Fall 2015

**LECTURE HOURS:** 4

**CREDIT HOURS:** 4

**CLASS TIME:** 8:00-8:50 AM

**DAYS:** MTWTh

**ROOM:** PS 107

**INSTRUCTOR'S NAME:** Diane Ginsbach

**INSTRUCTOR'S**

**CONTACT INFORMATION:**

**OFFICE PHONE:** 268-2866

**EMAIL:** ginsbach@caspercollege.edu

**Academic Assistant:** 268-2513

**OFFICE #:** PS 128

**OFFICE HOURS:**

Monday	10 - 10:50 AM
Tuesday	10 - 11:50 AM
Wednesday	10 - 10:50 AM
Thursday	10 - 10:50 AM
Friday	8 - 8:50 AM

or by appointment.

**COURSE DESCRIPTION:** Elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions.

**PREREQUISITE:** A "C" or better in MATH 0930 or MATH 0934; or an ACT Math score of 23 or better; or a COMPASS placement score in the Algebra domain of 66-100 or College Algebra domain of 0-64, within the past year, or a final cumulative high school GPA of 3.8 or better.

**GOAL:** For each student to have personal responsibility for attending and participating in class, completing homework, asking questions, passing tests, and succeeding in this class.

**OUTCOMES:**

1. Solve problems using critical thinking and creativity.
2. Use appropriate technology and information to conduct research.

**COURSE OBJECTIVES:** Students should:

1. Be able to use function concepts including; evaluating, operations, composition, inverses, and transformations.
2. Solve polynomial, exponential, and logarithmic equations and relate and interpret these solutions.
3. Be able to graph linear, polynomial, exponential, logarithmic, absolute value, square root, piecewise defined, and rational functions.
4. Be able to model and interpret real-world problems using polynomial equations or regressions.
5. Be able to solve systems of equations.

**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 is assigned every class period in MyMathLab (online). These assignments will be worth 10 points per chapter(s). Always make sure and get your questions answered. There will be announced and/or unannounced and/or take-home quizzes throughout the semester. There will be correction assignments for each test. Each quiz and assignment will be worth 10 points. I will drop one to two 10 point assignments depending upon the total number for the semester. The remaining 10 points assignments will be added to your cumulative point total. Additionally, there might be some other assignments for points during the semester.

At the most there will be a test over each chapter with some chapters combined (maximum of 6 chapter tests). They will be worth **approximately** 100 points each. There will be a comprehensive final exam (**Tuesday, Dec 15<sup>th</sup>, 8-10 AM**) worth at most 150 points. Grades are determined by the total points earned divided by the total points for the semester (90%+ A, 80-89% B, 70-79% C, 60-69% D, 59% and below F). **Keep track of your points throughout the semester** so you will always know your grade. 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. See the attached sheet.

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

**REQUIRED TEXT, READINGS, MATERIALS:** MyMathLab code (Course ID: ginsbach42777) and graphing calculator (preferably a TI-83 or TI-83+ or TI-84) is required. Optional book - PRECALCULUS with Modeling and Visualization, 5th edition, by Rockswold, (isbn: 978-0-321-82602-2). Calculators can be leased from the Math Learning Center.

**LAST DATE TO CHANGE TO AUDIT STATUS OR TO WITHDRAW WITH A "W" GRADE:** 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/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. This is also, where you will find course evaluation links during course evaluation periods.

**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. 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 WITH COURSE CONTENT:** We will cover Chapters 1 through 5 and part of 9. We will cover approximately one section each class period and homework will be assigned after each section.

My best suggestions for succeeding in this class are:

Attend class ~ Complete the homework ~ Get your questions answered

**Remember the best ability anyone can have is respons"ability"!** 😊