Math 1400 05 Pre-Calculus Algebra

Semester/Year: Spring 2016

Lecture Hours: 7:00 PM-8:50 PM  Lab Hours: none  Credit Hours: 4

Class Time: 7:00 PM-8:50 PM  Days: Monday/Wednesday  Room: PS117

Instructor’s Name: Julian Orr

Instructor’s Contact Information:  Office Phone: none  Email: jorr@caspercollege.edu

Office Hours: 6:30-7:00 PM Monday/Wednesday in PS119

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

Statement of Prerequisites: A grade of C or better in MATH 0930 or MATH 0934; or an ACT Composite Math score of 23 or better; or a COMPASS exam score in the algebraic domain of 66-100 of College Algebra domain 0-64, within the past year.

Goal: (what is the goal of this class – what do you hope for your students?)

Outcomes: The desired outcomes of the course include, but are not limited to

1. The ability to evaluate a function at a point;
2. The ability to graph complex functions from simpler functions using compositions, compressions, dilations, reflections and translations;
3. The ability to find and the zeros or polynomial functions;
4. The ability to use polynomial functions to model real world phenomena;
5. The ability to graph rational functions, including their horizontal, vertical, and oblique asymptotes;
6. The ability to use exponential functions to model real world phenomena;
7. The ability to solve exponential equations; and the ability model real world phenomena by finding a best the regression model for a given data set, and...
using this model to make predictions.

Methodology: Lecture, MyMathlab, and in class tests/quizzes are used for grade determination.

- **Homework and Quizzes:** You must purchase the Access Code from MyMathLab.com. You can also buy a stand-alone MyMath Lab Access Code at the bookstore front counter. You cannot buy a used book and obtain an Access Code. Only new books contain an Access Code. The Access Code is located in new books inside a MyMathLab packet. The actual textbook is optional since there is an electronic version in MyMathLab. All the homework done in this class will be done using the MyMathLab online environment. The Course ID for this class is **orr72638**. To register for this class, go to http://www.mymathlab.com and click Student under Register. Then, enter your Course ID and click Continue. There will be assignments posted each day in MyMathLab. All assignments will be due the day of the chapter test. Please ensure that you do not fall behind. If you are absent, it’s your responsibility to check in MyMathLab and complete before the due date. Late work will NOT be accepted! There will be five class quizzes at the mid-point of a chapter.

- **Exams:** There will be 6 hour examinations throughout the semester. There will be NO makeup exams, if you miss an exam; you will not be allowed to take it, unless you are excused for a school related event. The final exam is cumulative; it will cover EVERYTHING that we have learned this semester. I do not give early or late final exams; the final exam must be taken on the scheduled day and at the scheduled time. Given that finals week is 5/09-5/12, we will take our final at normal class time on 5/09. If there is a conflict with a final exam in another class, please talk to me.

**Evaluation Criteria:** Your grade will be determined by your homework, quizzes, the six chapter tests and final. The quizzes, chapter tests, the final must be proctored.

- Homework 25%
- Quizes 25%
- Chapter tests 25%
- Final 25%

Here is the grading scale for this course:

- **A:** 90% – 100%
- **B:** 89% – 80%

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C: 79% – 70%
D: 69% – 60%
F: 59% and below

Required Text, Readings, and Materials: Precalculus with Modeling and Visualization 5th Ed.

Class Policies:
- The last day to drop the course is April 14, 2015.
- Attendance is mandatory. If you must miss class, it is YOUR responsibility to contact another classmate or check in Moodle to see what announcements, topics, handouts, etc, you missed. Class notes will be posted in Moodle. If you are absent, it’s your responsibility to get and complete the assignment from MyMathLab. If any student misses more than 6 classes, there will be an automatic failure of the class.
- All electronics are to be turned off (or at least to “silent/vibrate” mode) and put away during class. The first time a beeper or phone rings during class, I will warn you. The second time it happens, you will be asked to leave class and not to return until the following class session. In general, students may not engage in an activity which the instructor deems disruptive or counter-productive to the goals of the class. Instructors have the responsibility to remove offending students from the class. Repetition of offensive behavior may result in expulsion from the class.
- Laptops may be used in class to take notes, however, if it is found that you are using the laptop for other purposes—it is expected that you will immediately shut down and put it away. If the laptop is disruptive in class (this is at the instructor’s discretion), you will be asked to put it away.
- Student work may be used for assessment with personal information being redacted for privacy.

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.

**Calendar:** Note: The lecture and test schedule will change as needed depending on current events in class. The current schedule will always be in Moodle.