

| Syllabus for Math 194 (E5133) – Eureka Campus | | |
|--|----------------------------|---|
| Semester & Year | Fall 2018 | |
| Course ID and Section # | MATH-194-E5133 | |
| Instructor's Name | Holland Heese | |
| Day/Time | MWF 10:05 – 11:20 am | |
| Location | SC214 | |
| Number of Credits/Units | 4 | |
| Contact Information | <i>Office location</i> | SC214 |
| | <i>Office hours</i> | MF 9:05-10:05 am |
| | <i>Phone number</i> | TBA |
| | <i>Email address</i> | holland-heese@redwoods.edu |
| Textbook Information | <i>Title & Edition</i> | Intermediate Algebra: A Modeling Approach |
| | <i>Author</i> | Katherine Yoshiwara |
| | <i>ISBN</i> | 9781936368877 |
| Course Description | | |
| <p>A course in which functions are investigated graphically, numerically, symbolically, and verbally in real-world settings with an emphasis on applications to social sciences and business. Linear, quadratic, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored as models of real-life applications. Data analysis and technology are integrated into all aspects of the course. This intermediate algebra course is appropriate for career and technical students.</p> | | |
| Student Learning Outcomes | | |
| <ol style="list-style-type: none"> 1. Apply mathematics to real-world problems and applications with an emphasis on social sciences and business. 2. Investigate the output from a graphing calculator to explore mathematical concepts and to verify work. 3. Explain the concept of function, identify the characteristics of different classes of functions, and use functions to solve problems related to social sciences and business. 4. Design and effectively communicate a process for solving complex real-world problems in business and social sciences. | | |
| Special Accommodations | | |
| <p>College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS at 707-476-4280.</p> | | |
| Academic Support | | |
| <p>Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended Opportunity Programs & Services, for eligible students, with advising, assistance, tutoring, and more.</p> | | |
| Academic Honesty | | |
| <p>In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may</p> | | |

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receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>, and scroll to AP 5500. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services> and scroll to AP 5500. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Emergency Procedures for the Eureka campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at: (<http://www.redwoods.edu/aboutcr/Eureka-Map>; choose the evacuation map option). For more information on Public Safety, go to <http://www.redwoods.edu/publicsafety>. In an emergency that requires an evacuation of the building:

- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building.
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the “Register” button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with “redwoods.edu.” Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Course Syllabus

Math 194 - Fall 2018

Instructor: Holland Heese
College of the Redwoods
holland-heese@redwoods.edu
Office:
Office Hours:

| | Days | Time | Place |
|---------|------|-------------|--------|
| Lecture | MWF | 10:05-11:20 | SC 214 |

0.1 Required Materials

- The textbook: *Intermediate Algebra: A Modeling Approach*, by Katherine Yoshiwara. If you purchase your text at the CR bookstore, you will receive a license to use **xyzhomework system** included with the purchase of the text (i.e. it is a bundled package at the CR bookstore). You also have the option of purchasing the All-Access E-Content Pass for \$45 by going to xyztextbooks.com. This will provide all of the course materials available from the CR Bookstore except a hard-copy of the text.
- A computer/tablet that has access to the internet and runs a modern web browser.
- Some type of calculator. The calculator does not have to have graphing capabilities but should be able to hand matrices, and regression problems (Which sadly only graphing ones seem to do). The TI-83/84 series can be found fairly cheaply used and the Math department will rent one to you for \$15. For more information see: <http://www.tamimathcr.com/calculatorrental.html>. Other calculators that would work are: HP 48/49/50, HP Prime, TI 89/92/Voyage200, TI Nspire/Nspire CAS, Some Casios?. Don't spend too much on it.
- Graph Paper, and lots of it!

0.2 Class Requirements

0.2.1 Homework Assignments

Each week you will be assigned 3 homework problem sets using the xyzhomework system found at <http://xyzhomework.com>. These assignments will be due at 11:59 pm, on Monday, Wednesday, and Sunday. Your lowest 3 assignments will be dropped before I calculate your final course grade.

0.2.2 Quizzes

There will be a quiz every other week during the semester. These quizzes will last 15 minutes to 30 minutes or so.

0.2.3 Exams

We will have three tests during the semester. Please see below for the dates and times of the examinations. You should mark these dates in your calendar now, and plan accordingly, as **all exams will be given at the scheduled times below**. This times may be pushed back if we are running behind the schedule. But **ALL** students must take the exams at their scheduled times.

Exams will consist of problems similar to those discussed in lecture, the homework assignments and in-class worksheets. Exam questions will tend to be routine and designed to check for basic skill mastery. Consequently, **very little to no partial credit will be awarded on exam questions**.

0.2.4 Exam Dates

| Exam | Date |
|--------|--------------------------|
| Test 1 | Friday 9/28 |
| Test 2 | Friday 10/26 |
| Test 3 | Wednesday 12/13 10:45 am |

0.3 Grades

0.3.1 Weighted Grading Components

| Components | Percentage |
|------------|------------|
| Quizzes | 25% |
| Homework | 15% |
| Tests | 60% |

0.3.2 Grade Breakdown

| Grades | Percentage |
|--------|------------|
| A | >90% |
| B | 80% to 90% |
| C | 65% to 80% |

| Grades | Percentage |
|--------|------------|
| D 55 | % to 65% |
| F | <55% |

0.4 Very Useful Information

0.4.1 Class Expectations

You are expected to arrive on time and to leave when the class is dismissed. If you must miss a day, please check with a classmate to see what you missed. I expect you to be a responsible, respectful, and courteous member of the class. If you find that you can not abide by these rules, then you are in the wrong class and I will ask you to transfer to another class. You are more than welcome to come to my office hours at CR before class on M and F 9:05-10:05 and at HSU in BSS 227 on MWF 3-4 pm.

0.4.2 Math Lab and Math 194L

Tutoring service is located in the library in the Learning Resource Center (LRC). Math 194L is a lab course that offers 0.5 to 1.0 units of credit to get assistance with your math skills. If math has been a struggle or you are in search of the A grade, I strongly recommend Math 194L. It has been very successful in helping students achieve their goals in mathematics. I will also be in the Math Lab on Thursday 11 am - 1 pm.

0.4.3 Caveat

This syllabus is subject to change at any moment. For example, if we move faster or slower than anticipated the test dates may change. All changes will be announced in class and posted on the class Canvas page.