

Course Information

Semester & Year: Fall 2019
Course ID & Section #: Math 15, Introduction to Statistics, E7266
Instructor's name: Mike Haley
Day/Time or *Online: MWF 11:40-12:55 AM
Location or *Online: Sciences Bldg, Room SC202
Number of units: 4

Instructor Contact Information

Office location or *Online: Creative Arts 130 (CA 130)
Office hours: Alternate Monday 2:30-3:30, Wednesday 9:00-10:00, Thursday 11:30-12:30, By Appointment
Phone number: 476-4352
Email address: mike-haley@redwoods.edu

Required Materials

Textbook Title: Interactive Statistics
Edition: 3rd
Author: Aliaga and Gunderson
ISBN: 0-13-149756-1
Other requirements: TI-83 or TI-84, access to a modern computer, (software for calculations and analyzing data \$15/6 month subscription) <a href="https://www.statcrunch.com/get-access/">https://www.statcrunch.com/get-access/</a>

Catalog Description

An introduction to basic concepts of descriptive and inferential statistics, with emphasis on the meaning and use of statistical significance. Students will use probability techniques to make decisions via hypothesis testing and will estimate parameters using confidence intervals. The course includes applications from a variety of technical and social science fields.

Course Student Learning Outcomes (from course outline of record)

1. Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary.
2. Use descriptive and inferential statistics to better understand real-world problems.
3. Demonstrate appropriate use of technology in making decisions based upon real-world data.
4. Read and interpret information that contains statistical analysis and be able to communicate these results.
5. Judge the validity of research reported in the mass media and peer reviewed journals.

Evaluation & Grading Policy

**ACADEMIC HONESTY:** 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 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.

## **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](mailto:security@redwoods.edu) if you have any questions.

**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.

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**MATH 15S – REQUIRED COREQUISITE SUPPORT:** This class is linked with a corequisite support course Math 15S. Essentially the support course builds in more time into class each week so that we can learn statistics hands-on. We also address some other important skills. In order to be enrolled in this section you must be enrolled in Math 15S as well. In order to remain enrolled in Math 15 you must also remain enrolled and addend Math 15S.

**EXPECTATIONS:** I expect that all students that remain enrolled in this class agree to actively participate in discussions and activities, and directly engage the material and other people in the course with a positive attitude.

I expect that everyone is treated with respect in our class. Please go out of your way to be considerate of others since this will enhance the quality of the learning environment in our classroom. I expect that you use cell phones and computers appropriately and in a manner that does not disturb any fellow students or the instructor; this implies that at the very least there should not be any sound coming from your cell phone and you only utilize applications that have course content related material. Head phones and ear buds should be removed during class since these tend to inhibit interactions between people.

To learn the material that will be presented this semester may require **twelve or more hours** each week outside of the class meeting period.

Additionally, you should be on time to class and avoid leaving early in order to minimize disruption. If you are asked to leave the class, then be sure to visit me in the office and be prepared to write a paper before returning to class. The Student Code of Conduct addresses many issues that arise on a college campus and you should be aware of the agreement that you have made as an enrolled student.

**GRADE SYSTEM:** Your final grade will be determined as follows

Homework	15%
Participation	5%
Quizzes/Activities	20%
Exams	25%
Project	20%
Final Exam	15%

The following grade system will be utilized to assign the final course grade:

A	93-100%	B	83-86.9%	C	70-76.9%
A-	90-92.9%	B-	80-82.9%	D	60-69.9%
B+	87-89.9%	C+	77-79.9%	F	0-59.9%

**HOMEWORK:** Homework will be a regular aspect of this class, and I expect that it will be done in an organized, neat and readable fashion. The quality of your homework presentation is important to me since it representative of your understanding of coursework. Homework is where you get to develop and polish the skills that have been presented in class. Your lowest homework score will be dropped, however late homework will not be accepted. See **Guidelines for Homework Assignments**.

**PARTICIPATION:** The participation grade is positively affected by your involvement in the class, attendance, punctuality, and negatively affected by physical and electronic disturbances.

**QUIZZES/ACTIVITIES:** There will be approximately two quizzes every three weeks. The quizzes will be similar to the homework problems. At least one quiz will be dropped but make-up quizzes will not be available.

**EXAMS:** There are four closed book exams this semester. The midterm exams will be held

- during the **week of September 23** (Week #5)
- during the **week of October 28** (Week #10)
- during the **week of November 18** (Week # 13)

The midterms exams will either be held during the class period or the 15S class period. If you fail to attend the exam time or the exam time that you have scheduled then you forfeit your opportunity to take the exam since make up exams are not offered. A handout will be made available before the exams to help you prepare. You must attend and participate in the activities scheduled for exam periods.

The **final exam** will be based upon the college's **Final Examination Schedule**, which looks like it will be on **Monday, December 16, 2019 from 10:45-12:45**. The final exam may consist of at least one part that is closed book/notes and without the use of the calculator. I will give further information that clearly explains the scope of the exam.

## PROJECT

There will be a large-scale project where you will be required to ask and answer a research question. These projects will typically be graded on the following components: (1) written research proposal, (2) written final report containing calculations, charts, and analysis and (3) a presentation to the class.

**ATTENDANCE:** To succeed in a mathematics class it is often helpful to attend every class meeting. The CR Catalog defines the equivalent of a week's absence as excessive and the Math Department has determined that missing the equivalent of two weeks of class is cause for being dropped from the class. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. Plan on being in class for the complete duration of the session. Any combination of two occurrences of tardiness or leaving before the end of the course will be considered an absence.

**LATE WORK:** The four exam dates that are posted in the syllabus and should be followed. Homework due dates will be posted when the assignment is given and are to be submitted at the beginning of the class period. Typically there are no make-up quizzes offered.

### [Prerequisites/co-requisites/ recommended preparation](#)

Completion of Intermediate Algebra or appropriate placement based on AB 705 mandates.

Students need to have some form of numerical literacy to be successful in this course.

### [Special accommodations statement](#)

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.

### [Student feedback policy](#)

Exams, quizzes, projects, activities and homework are where I will regularly provide timely and substantive feedback on coursework.

### [Proctored Exams](#)

Exams and quizzes will either be taken during the class period or in the testing center and will require a proctor. There may be some portions of the exams which include a take-home component.

### [Student Accessibility Statement and Academic Support Information](#)

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.

**DISCLAIMER:** While every attempt will be made to keep minimal changes to this document during the semester, like most other things, it is subject to change.

Last update August 24, 2019