

Syllabus for Math 15 – Eureka Campus		
Semester & Year	Spring 2017	
Course ID and Section #	MATH-15-E1086 (041086) Introduction to Statistics	
Instructor's Name	Mike Haley	
Day/Time	Monday, Wednesday, Friday 1:15-2:30pm	
Location	Sciences Bldg, Room SC 208	
Number of Credits/Units	4 Credits	
Contact Information	<i>Office location</i>	CA 130
	<i>Office hours</i>	Monday 12-1, Wednesday 2:30-3, and by appointment
	<i>Phone number</i>	476-4352
	<i>Email address</i>	mike-haley@redwoods.edu
Textbook Information	<i>Title & Edition</i>	<i>Interactive Statistics 3rd Ed.</i>
	<i>Author</i>	Martha Aliaga & Brenda Gunderson
	<i>ISBN</i>	0-13-149756-1
Course Description		
<p>The study of statistical methods as applied to descriptive statistics and inferential statistics. An emphasis on the meaning and use of statistical significance will be central to the course. Students will use probability techniques to make decisions via hypothesis testing and will estimate parameters using confidence intervals. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. The course includes applications using data from disciplines including business, social sciences, psychology, life science, health science, and education.</p>		
Student Learning Outcomes		
<ol style="list-style-type: none"> 1. Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary. 2. Use descriptive and inferential statistics to solve 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. 		
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>		

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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.

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.

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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 Materials

Access to a contemporary computer to interface with CANVAS and other resources
TI-84 Graphing Calculator and associated wires to transfer files
Pencils, Pens, Ruler, Eraser, Sharpie
Graph paper
A notebook to keep lecture notes and returned work in
A bound notebook for a reference manual

Grading System

Participation		10%
Homework		15%
Quizzes/Activities		20%
Exams	Three exams over the semester	25%
Projects	At least one project consisting of a proposal, paper, and presentation	20%
Final Exam		10%

The plus/minus grade system will be utilized.

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+ C+ 77-79.9% F 0-59.9%

In order to earn an A or B in the course, all assignments must be turned in. Additionally, there is a Pass/No Pass Option available, but there are deadlines associated with this option.

Expectations

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.

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.

The time that we spend in class together will be typically dedicated to presentation, lecture, group activities, and assessment. Throughout the semester we will utilize group activities to learn and you will be responsible for working within a group to complete a project. The instructor will evaluate the assignment, however group members will evaluate the participation of members.

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Some assignments will be submitted electronically through CANVAS while other assignments will be submitted in a hard copy during class. Each week some of the course content to be available on a video posted in CANVAS. It is expected that students will prepare for class by viewing this content.

Participation

Class will often begin with an “assignment” that is due within the first several minutes. This score will be positively affected by participating appropriately during the class session and in short assignments available in CANVAS. There will be some group activities where group members will evaluate other members.

Homework

Homework is a regular aspect of this class that will typically be submitted in hard copy. 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. When a graph is necessary you may use any technology that you choose (R, Excel, TI84 with TI Connect software, etc.). Your lowest homework score will be dropped and I will accept one late homework assignment one time *if it is submitted before solutions are posted*. See **Guidelines for Homework Assignments** and make sure you label and staple your homework correctly. Allegorically, students that don't have most of their homework assignments turned in don't typically pass the class.

Quizzes/Activities

Electronic and hard copy Quizzes will be given throughout the semester and will cover assigned readings and exercises. If you are late or absent then you miss the quiz. At least one quiz will be dropped but make-up quizzes will not be available. Activities will occur during the semester and will require the completion of a task and a written response.

Exams: Expect closed book exams on **Wednesday, February 15, Wednesday, March 29, Wednesday, April 26**, however there *may* be a take-home component as well. The exams are held within the class hours published in the schedule of classes, but will not necessarily take the entire class period. Please be aware that regardless of the time you begin the exam, the deadline is at the end of the scheduled class time. If you are using the test proctoring services located in the ASC in the LRC, be advised that you must schedule a time that overlaps with the published course time of the class in which you are enrolled. You must schedule a time and report it to me at least 24 hours before the published exam time. 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. No make-up exams will be offered.

Projects

There will be a large scale projects 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 you need to attend every class meeting. The CR Catalog defines the equivalent of a week's absence as excessive and the Math Department has a policy to drop students from the class roster if there an excessive number of absences. 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

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duration of the session. Any combination of two occurrences of tardiness or leaving before the end of the course will be considered an absence.

Final Exam

The final exam for our class is scheduled for **Wednesday, May 10** from **1:00-3:00** (according to CR's final exam schedule) and will be cumulative. You must attend and participate in the activities scheduled for this class period.

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 January 18, 2017