Syllabus for Math 15: Intermediate Algebra	
Semester & Year:	Spring 2014
Course ID and Section Number:	MATH-15-E6116 (036116) Elementary Statistics
Number of Credits/Units:	4
Day/Time:	Monday, Wednesday 2:50-4:55pm
Location:	SC208
Instructor's Name:	Mike Haley
Contact Information:	Office location and hours: SC 216 I, Wednesday 10:30-11:20 am, Friday 2:40-3:20 pm, Drop In, and By Appointment Phone: (707) 476-4352 Email: mike-haley@redwoods.edu Website: http://dn.redwoods.edu/coursenotes/haley/

Course Description (catalog description as described in course outline):
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 frequency distributions, graphs, measures of relative standing, measures of central tendency, measures of variability, correlation, and linear regression to explore descriptive statistics. Students will use the laws of probability and statistical tests (t-tests, chi-square, ANOVA, and regression analysis) to make decisions via hypothesis testing and estimate parameters using confidence intervals.

Student Learning Outcomes (as described in course outline):
- Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary.
- Use descriptive and inferential statistics to solve real-world problems.
- Demonstrate appropriate use of technology in making decisions based upon real-world data.
- Read and interpret information that contains statistical analysis and be able to communicate these results.
- Judge the validity of research reported in the mass media and peer reviewed journals.

Special accommodations: 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.

Mathematics Department Policy Regarding "Faculty Withdrawal" of Students after Census Day:
A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner. This "faculty withdrawal" can occur between Week 4 and Week 10 of the semester.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.
The student code of conduct is available on the College of the Redwoods website at:
http://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf

Emergency Alert System: Consider registering for RAVE, the Emergency Alert System.
www.getrave.com/login/redwoods

TEXTBOOK: *Interactive Statistics* (Custom Edition for College of the Redwoods), Martha Aliaga & Brenda Gunderson. ISBN: 978-1-256-14267-6, or *Interactive Statistics*, 3rd ed., Martha Aliaga & Brenda Gunderson. ISBN: 0-13-149756-1.

STUDENT LEARNING OUTCOMES: Upon completion of this course, students will be able to accomplish the following:

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

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.

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.

MATERIALS: Besides the mentioned text, you will need to obtain the following for this class:
A TI-83+ or TI-84 graphing calculator (required)
Graph paper (cheap stuff will be fine)
A notebook to keep lecture notes and returned work in
A bound notebook for a reference manual

GRADE SYSTEM: Your final grade will be determined as follows

Homework	20%
Quizzes/Activities	25%
Exams	30%
Projects	10%
Final Exam	15%

I will be using the plus/minus grade system. The break down is as follows

A	93-100%	B	83-86.9%	C	72-76.9%		
A-	90-92.9%	B-	80-82.9%	D	60-71.9%		
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. 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: Quizzes will be given throughout the semester 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.

EXAMS: Expect closed book exams on **Wednesday, September 17, Wednesday, October 8, Wednesday, October 29, Wednesday, November 12,** and **Monday, November 24**. 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, however, the lowest exam score will be dropped upon completion of the final exam.

PROJECTS: Over the course of the semester we will work on several projects where you will be expected to read from several different sources (including journal articles) and submit papers.

FINAL EXAM: The final exam will be held **Wednesday, December 10** from 1:00-3:00pm for the MWF section and **Monday, December 8** from 3:15-5:15pm for the MW section. 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.

ATTENDANCE: To succeed in a mathematics class you need to attend every class meeting. The CR Catalog defines four absences as excessive for a four unit 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.

STUDY GROUPS: In my opinion, there are few things that are more difficult than going through a mathematics class solo. You should start now to form study groups. We will be doing a large amount of group work in class. This is a college transferable class and will require that you put in a minimum of 8 hours per week outside the classroom and during the final project much more. Some students report needing 10 hours to complete the required work. Find someone in the class that you can work with and schedule regular hours during the week when you can get together and study.

DISABILITIES: If you are a student with a disability or if you think that you could benefit from disability-related services, you may either speak to me or you may contact our Disabled Student Programs and Services Office on campus.

ACADEMIC INTEGRITY: If you cheat on an exam or quiz, then expect to fail the course, additionally the division dean and the vice-president of instruction will be notified. All exams are closed book/notes unless otherwise stated. During exams and quizzes student cell phones will be turned off and not physically accessible, neglecting to do this may lead to forfeiting your opportunity to earn points on the assignment.

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 8/25/14