Syllabus for *Intro to Statistics* – Eureka Campus		
Semester & Year	Spring 2019	
Course ID and Section #	MATH-15-E6023	
Instructor's Name	Jackson	
Day/Time	TTh 6:05PM – 8:10PM	
Location	SC208	
Number of Credits/Units	4 Units	
Contact Information	*Office location*	SC216L
	Office hours	TBA
	Phone number	707 476 4219
	Email address	steve-jackson@redwoods.edu
Textbook Information	*Title & Edition*	Interactive Statistics, 3rd Edition
	Author	Aliaga/Gunderson
	ISBN	

Course Description

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.

TI-83 or TI-84 graphing calculator is required.

Student Learning Outcomes

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

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.

Academic Support

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.

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.
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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.

OBJECTIVE: This is an introductory course to the science of statistics. It will require all the mathematical maturity you have polished in intermediate algebra for you to succeed in this class. Statistics is the science of making sense of data. At the most basic level it is simply how to organize the information. The highest levels allow you to make decisions based upon the data. This is known as inferential statistics and is the goal of this class.

MATERIALS: In addition to the textbook, you will need the following for this class:

a) A TI-83+/TI-84 graphing calculator (required) I require the TI-83+/TI84 graphing calculator for this course since it can perform most of the functions that ordinarily require the computer. If you have a TI-83 (not a plus model) it will also work.
b) Graph paper (cheap stuff will be fine)
c) A ruler
f) A notebook in which to keep lecture notes and returned work.
e) A notebook to be used as a reference book.

HOMEWORK: I will be assigning homework on a chapter basis. It is expected that you will do your homework in a neat and readable fashion**. It is required that you put the chapter number on every assignment.** If a graph is required, then it must be done on either graph paper or by computer**.** If you do a graph on lined paper you will get a zero on that assignment even if the rest is correct**.** Quality of presentation counts! One of the major goals of this course is to learn to communicate your results. The homework is where you get to polish your skills, it is not an option, it is required!

The students who are consistently on top of their homework do well in my mathematics courses. The fundamental idea of a college course is to learn something and the homework is where learning takes place.

QUIZZES: Quizzes will be given on material covered in class and in the homework. Each quiz will count 20 points and there will be no make-up quizzes for any reason. Some of the quizzes will be of the take home variety. ***No late work will be accepted.***

PROJECTS/EXAMS: There will be two exams assigned this semester. The first is a midterm exam worth about 100 points. The second is the aproximately 100 point final exam. Half of the *final exam* is a take-home exam worth 50 points and half is an in class exam also worth 50 points. You will typically have one full to complete the take home exams

ATTENDANCE: To succeed in a statistics class you need to attend every class meeting. You must be here at 5:45 sharp ready to learn. I will take roll at 6:05 *every* class meeting. If you are not present when I call roll, then you are counted as absent. No exceptions. Your final grade may be lowered one full letter grade for every 2 absences.

BE ON TIME AND READY TO LEARN.

If you have to miss class, don't call me. 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. Please do not ask me what the homework was from the last class.

GRADE SYSTEM:	Homework	20%
	Quizzes, Midterm Exam, Final Exam, Final Project	80%

Grades will be assigned as follows:

90 - 100% = A
80 - 89% = B
70 - 79% = C
60 - 69% = D
< 60% = F

STUDY GROUPS: In my opinion, there is nothing harder than going solo through a mathematics class. You should start now to form study groups. We will be doing a large amount of group work in class. This class will require you to put in at least 10 hours per week outside the classroom and much more during the final project. This is a minimum requirement! Find someone in the class that you can work with and schedule regular hours during the week when you can get together and study.

This information is subject to change depending on class circumstances.