Syllabus for Math 102: Pathway to Statistics	
Semester & Year:	Fall 2015
Course ID and Section Number:	MATH-102-D8610
Number of Credits/Units:	6: 5 credits of lecture, 1 credit of lab
Day/Time: **Location:**	Wednesday and Thursday 8:00-10:30 and 10:45-12:10 DM 23
Instructor's Name:	Todd Olsen and Mike Haley
Contact Information:	Available after class on Wednesday and Thursday, Phone: (707) 476-4352; mike-haley@redwoods.edu, todd-olsen@redwoods.edu

Course Description (catalog description as described in course outline):
A course designed to be a nontraditional, accelerated pathway to transfer-level statistics. Topics in algebra, data analysis and critical thinking skills relevant for success in statistics are the focus. The learning experience for this course emphasizes active learning via collaborative work. This course is designed for students who plan to major in fields such as biology, social sciences, nursing, art, and English, and not for students pursuing degrees in math, engineering, computer science, business or economics.

Student Learning Outcomes (as described in course outline):
1. Formulate questions that can be addressed with data, then organize, display, and analyze relevant data to answer these questions and communicate results.
2. Use the properties of algebra to simplify expressions, solve equations and answer questions in context.
3. Construct, use, and interpret mathematical models, specifically linear and exponential functions, to represent relationships in quantitative data.

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A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner.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

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.

Welcome to Pathway to Statistics!
This semester you are one of less than 75 students that has enrolled in the Pathway to Statistics in three separate sections across the district--two in Eureka and one in Del Norte. I am looking forward to the semester that we have ahead and hopeful for how this will prepare you for future coursework.

The sole purpose of Math 102 (Pathway to Statistics) is to prepare you to take Math 15 (Elementary Statistics) at College of the Redwoods. Upon successful completion of this course you may enroll in Math 15, however, this course does not transfer to any other institution, which means that you should plan on taking Math 15 at College of the Redwoods. This class will offer an accelerated option for students who are pursuing degrees that are less math intensive by focusing on the algebra and pre-statistics ideas necessary for success in transfer level statistics.

The college catalog describes this course as a nontraditional, accelerated pathway to transfer-level statistics. Topics in algebra, data analysis and critical thinking skills relevant for success in statistics are the focus. The learning experience for this course emphasizes active learning via collaborative work. This course is designed for students who plan to major in fields such as biology, social sciences, nursing, art, and English, and not for students pursuing degrees in math, engineering, computer science, business or economics.

Course Learning Outcomes
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Course Materials

TI-83 or TI-84 Graphing Calculator and associated wires to transfer files

Composition Book

Pencil, Eraser, Ruler, Sharpie

Access to a Modern Computer from which you can interact with CANVAS and other resources

Flash Drive

Outliers: The Story of Success by Malcolm Gladwell

Grading System

Journal	Composition Book and Online Discussions	15%
Reading Quizzes	Online assignments and Outliers	10%
Cooperative Learning Activities	Many Small Scale	25%
Projects	2 Large Scale	30%
Participation	Evaluated by both instructor and classmates	20%

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, all assignments must be turned in. Additionally, there is a Pass/No Pass Option available, but there are deadlines associated with this option.

Expectations

The primary method of instruction for this course will be group activities. This method of instruction is based on the idea that deep understanding comes through productive struggle and that students learn effectively by working together in groups. I expect that all students that remain enrolled in this class are committed to working in groups, 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.

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.

Journal

You will be asked to respond in writing to prompts throughout the semester. Some of these writing activities will be in class using a composition book and others will be outside of class using either a composition book or posting to Canvas. Your score will be based upon how you respond to the prompt.

Reading Quizzes

Assigned readings will be given weekly and timed reading quizzes will be given in Canvas. All of these quizzes will be open book, but it will be difficult to respond appropriately to the response if the initial reading is not completed. The reading assignments will compliment our class activities by providing necessary background information as well as supplement the class to introduce the reader to new ideas.

Cooperative Learning Activities

There will be many cooperative learning assignments given over the course of the semester. Some of these assignments will be given and completed within one class period, while others will span several class periods where it will be necessary to work on the assignment outside of the class. A presentation of some kind to the class is to be expected for each assignment.

Projects

There will be two major projects which will ask you to 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 PowerPoint presentation to the class. These projects will always be completed as group assignments.

Participation

The structure of this class and the emphasis on small group learning implies that active participation in the course is necessary for success. The participation grade will be assigned by both instructor and classmates, and will be based upon attendance as well the effort placed into the class and activities.

Emergency Alert System

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