Syllabus for Math 102 Pathway to Statistics – Eureka Campus		
Semester & Year	Spring 2016	
Course ID and Section #	MATH-102-E9760 (039760)	
Instructor's Name	Mike Haley	
Day/Time	Monday & Wednesday 8:30AM - 11:00AM & 11:20AM - 12:45PM	
Location	Sciences Bldg, Room SC208	
Number of Credits/Units	6 Credits: 5 Lecture and 1 Lab	
Contact Information	*Office location*	SC 216 I
	Office hours	Monday and Wednesday 12:45-1:15
	Phone number	476-4352
	Email address	mike-haley@redwoods.edu
Textbook Information	*Title & Edition*	*Outliers*
	Author	Gladwell
	ISBN	978-0-316-01792-3

Course Description

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

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 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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf 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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
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/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ 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.

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. 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 Materials
TI-83 or TI-84 Graphing Calculator and associated wires to transfer files
Three Ring Binder to contain a log of small groups
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%
A-	90-92.9%	B-	80-82.9%
B+	87-89.9%	C+	C+ 77-79.9%
C	70-76.9%		
D	60-69.9%		
F	0-59.9%		

In order to earn an A or B, 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 and others will be outside of class requiring a posting to Canvas. Your score will be based upon how you respond to the prompt.

Three Ring Binder
You will be expected to keep a log book that contains a brief description of all work done over the course of a week as well as a list of people that you have worked with during the day.

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.

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. 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.

Final Exam
The final exam for our class is scheduled for Monday, May 9 from 8:30 to 10:30. 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 19, 2016