

| Syllabus for MATH 102: Pathway to Statistics – Eureka Campus | | |
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| Semester & Year | Spring 2018 | |
| Course ID and Section # | MATH 102 E3395 | |
| Instructor's Name | Adam Falk | |
| Day/Time | MW 08:30AM – 11:00AM and 11:20AM – 12:45PM | |
| Location | SC 208 | |
| Number of Credits | 6 credits: 5 lecture and 1 lab | |
| Contact Information | <i>Office hours</i> | MW 12:45-1:15 SC 210 |
| | <i>Email address</i> | Adam-Falk@redwoods.edu |
| Textbook Information | <i>Title & Edition</i> | Outliers: The Story of Success |
| | <i>Author</i> | Malcolm Gladwell |
| | <i>ISBN</i> | 0316017930 (10); 978-0316017930 (13) |
| Course Description | | |
| <p>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.</p> | | |
| Student Learning Outcomes | | |
| <ol style="list-style-type: none"> 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 | | |
| <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> | | |
| Academic Honesty | | |
| <p>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</p> | | |

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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.

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.

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Course Materials

- Composition notebook: You will use this throughout the course to build yourself a reference book (see the “Reference Book” section).
- Calculator: A graphing calculator (TI-83 or TI-84 recommend). A limited number of rental calculators are available for [\\$15 from the math lab](#). If preferred, you may also use a calculator app for your smartphone/tablet such as WabbitEmu (Android) or GraphNCalc83 (iPhone).
- Internet Access:
 - Email. I expect you to have regular access to email so that I may contact you easily. The College uses your “mycr.redwoods.edu” email address to communicate with you so it is important that you receive those email messages.
 - Canvas. There will be course materials, homework assignments, important dates, and more available on our Canvas course page. You should check Canvas regularly for updates.

Course Content

- Numerical Reasoning
- Algebraic Reasoning
- Probability
- Basic Principles of Study Design
- Mathematical Models
- Graphing and Exploratory Data Analysis

Participation

Attendance and participation are essential to the learning process, particularly in this course. A lot of this class will consist of group work and activities. In order to get full credit for those activities you must attend the class meetings and actively participate. Also, we will regularly have in-class handouts that you must complete in order to get credit for an activity. Missing more than four activities may be cause for you to be dropped from the course.

Due to the structure of this course, it is essential for you to attend all class meetings. If you are absent one day from this class, you are missing four hours of class time. That is like missing an entire week of another course! EACH student remains responsible for ALL assignments given, and I expect those assignments to be turned in ON TIME. If you miss a class, it is your responsibility to check Canvas for any assignments or missed activities.

Homework Assignments

Assignments will be described in class and posted on Canvas. These assignments will mostly consist of worksheets, problem sets, or assigned readings.

Quizzes

There will be quizzes, some will be assigned for you to do in Canvas, and some will be in class not always announced ahead. You should always bring a pencil with you to class each day to be ready for a quiz. Bring your reference book which may be allowed for some quizzes

Projects

There will be at least two major cooperative projects beyond the in class group activities. Information will be given in class and posted on Canvas

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Reference Book

Each student is required to create their own personal math reference book throughout the semester. Your reference book should be made in a bound notebook that includes a title page and a table-of-contents. For the most part, it is up to you to decide exactly what to include in your reference book. Each page should be one separate topic. Completion of a reference book will be incorporated into your homework grade.

Grades

| Grade | In-class Activities | Quizzes | Homework | Projects |
|-------|---------------------------------------|-------------------------|------------------------------|-------------------------|
| A | At least 90% completed satisfactorily | Average of at least 85% | 95% of assignments completed | Average of at least 90% |
| B | At least 80% completed satisfactorily | Average of at least 75% | 90% of assignments completed | Average of at least 80% |
| C | At least 70% completed satisfactorily | Average of at least 65% | 80% of assignments completed | Average of at least 70% |
| D | At least 60% completed satisfactorily | Average of at least 60% | 70% of assignments completed | Average of at least 60% |

Classroom Environment

It is essential to our class that both students and instructor behave in a manner that will provide a comfortable learning atmosphere. Be respectful of one another. We are all adults and an open, comfortable environment is crucial for learning. I encourage you not to hesitate to ask any question, or to offer any insight regarding the course and its material. Students who are rude to other classmates may be asked to leave the classroom and lose any participation points for that day.

Turn mobile phones to “Airplane Mode” before entering the classroom.

****THIS SYLLABUS IS SUBJECT TO CHANGE****