

| Syllabus for Math 102 “Pathway to Statistics”– Klamath Trinity Instructional Site | | |
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| Semester & Year | Fall 2019 | |
| Course ID and Section # | Math 102 (K8573) | |
| Instructor’s Name | Danny Ammon | |
| Day/Time | Tue Thur 3:45-5:10 pm, 5:20-6:45 pm | |
| Location | HTEC Room 1 | |
| Number of Credits/Units | 4 | |
| Contact Information | <i>Office location</i> | HTEC Room 1 |
| | <i>Office hours</i> | Tue Thur 6:50-7:50 pm |
| | <i>Phone number</i> | 530-625-5600 x1034 |
| | <i>Email address</i> | danny-ammon@redwoods.edu |
| Textbook Information | <i>Title & Edition</i> | Naked Statistics: Stripping the Dread from the Data |
| | <i>Author</i> | Charles Wheelan |
| | <i>ISBN</i> | 039334777X |
| 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 the social sciences and other fields where transfer-level algebra is not a degree requirement. This course is not for students pursuing degrees in mathematics, engineering, computer science, finance, economics, nursing, or the physical or life sciences (including biology).</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 707-465-2352.</p> | | |
| Academic Support | | |

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Academic support is available at [Counseling and Advising](#) and includes academic advising and educational planning, 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 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>. 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; 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 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>.

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 Klamath Trinity Instructional Site:

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction.

1. In the event of an emergency, communication shall be the responsibility of the district employees on scene.
 - a. Dial 911, to notify local agency support such as law enforcement or fire services.
 - b. If safe to do so, notify key administrators, departments, and personnel.
 - c. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
 - d. Contact Jolene Gates 530-625-4821 to notify of situation.

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- e. Contact Hoopa Tribal Education Administration office 530-625-4413
 - f. Notify Public Safety 707-476-4111.
2. In the event of an emergency, the responsible district employee on scene will:
- a. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
 - b. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
 - c. Close all window curtains.
 - d. Get all inside to safe location Kitchen area is best internal location.
 - e. If a police officer or higher official arrives, they will assume command..
 - f. Wait until notice of all is clear before unlocking doors.
 - g. If safe to do so, move to the nearest evacuation point outside building (Pooky’s Park), directly behind the Hoopa Tribal Education Building.
 - h. Do not leave site, unless it has been deemed safe by the person in command.

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.

Mathematics Placement Statement

Is Math 102 appropriate for you?

What is Math 102?

Math 102 is a special course designed to accelerate students’ progress through the mathematics sequence, so that the only required mathematics course needed to prepare the student for transfer is Math 102 and then Math 15 “Elementary Statistics.” Math 102 is based on research and design from the California Acceleration Project.

Math 102 is not for everyone

- *Not appropriate for all disciplines*
Students who are pursuing a degree in Math, Science, or Engineering should not take this class. If your degree requires more mathematics beyond algebra, then you should talk to your advisor to determine the best math course for you.

Special Note: there is an error in the catalog description and students pursuing a degree in biology should not take this class. Most nursing Bachelors degrees do not require math other than statistics, so this class would be appropriate – however, you need to check with the particular school that you will be transferring to.

- *Not appropriate if your math background already includes intermediate algebra (or “Algebra II”)*

You should consult with your instructor to move to a higher level mathematics course (such as Math 15) if one of the following criteria holds:

- You passed one or more of the following courses in high school: Precalculus, College Algebra, Trigonometry, or IB Math HL.
 - You earned a score of 3 or more on the AP Statistics exam.
 - You earned a score of 4 or more on the IB Math SL or IB Math studies SL exam.
 - If you scored 34 or more on the Accuplacer College Level exam.
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- *Not appropriate for all individuals.*
Math 102 is a non-traditional class that will incorporate a lot of group work and discussion and minimal lecture. Attendance is crucial, not just for you but for the classmates you will be working with. Our class only meets twice a week and any absence would be the equivalent to missing half a week of instruction in other courses. Therefore, you must plan for perfect attendance (see more about attendance below).

Math 102 is an “Accelerated” Pathway

Acceleration does not just mean getting *to* Statistics quicker, but getting *through* Statistics quicker. The intention is that you take Statistics immediately after the completion of Math 102, and that you do so in a focused way – don’t overload your next semester with hard classes. You will need to focus on completing Math 15.

How is Math 102 Different?

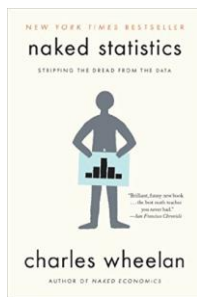
In intermediate algebra, students often get bogged down in formulas and calculations that seem to have little relevance to their lives. Math 102 includes *some* intermediate algebra, but only the parts that are essential for students to succeed in college-level statistics. In many fields and careers statistics, rather than algebra, is sufficient (for students who are not majoring in science, engineering or mathematics)

The primary objective of Math 102 is to prepare you to take Math 15 at CR. Math 102 does not transfer to any other institution. It is not an algebra course and it’s not a statistics course, but rather, Math 102 focuses on some algebra and some pre-statistics concepts to help you succeed when you take Math 15. Topics include algebra, data analysis and critical thinking skills that are relevant to statistics. Math 102 will emphasize active learning via collaborative group work.

Materials you will need:

Textbook

Naked Statistics: Stripping the Dread from Data, by Charles Wheelan



Calculator: You need a scientific calculator. You can use an app on your phone as long as the phone is not a distraction in other ways.

Computer Access for

Email: You should regularly check your CR student email! But for this class I will be communicating primarily through Canvas. You should check daily.

Microsoft Office: You will be writing projects proposals, making slideshow presentations, and working with data. You'll want a current copy of Microsoft Office.

Students at CR get a free copy of Microsoft Office. Check our Canvas Page to start.

Flash Drive or online storage account (such as Google Drive, Dropbox, Box, etc.)

Composition Notebook



A composition notebook is like a personal "Wikipedia" where you make entries on topics that you've learned in class. These entries may include a description of what is being discussed, pictures, graphs, formulas, and/or examples.

Colored Pens and/or Colored Sharpies [Optional]

We'll be making posters in-class. If you like to make them spiffy, you'll want these.

Grading

This course is based on effort. I genuinely believe that if you give an honest effort to the assignments I give you, then you will understand this material. Your grade will not be based on quizzes or tests, so that means it is important you engage with this material.

This course has three weighted categories:

Reading = 30%

Final Project = 25%

Homework/Classwork = 30%

Participation = 15%

If you attend class and do your homework, then you will find it to be very easy to get an A. If you start to fall behind in homework, or start missing class, then your grade will suffer.

You may use Canvas to check your grade.

Reading:

There are fourteen chapters in Naked Statistics, for each I want you to read the chapter and write up a summary for it. Sometimes the reading will also correspond to the weekend, in which case you will still write a report (and receive points) and do the homework component (and receive other points).

Homework/Classwork:

Each class will have group assignments that will be worth points. In general there will be two per class.

The homework will consist of activities and readings to prepare you for the next class. If you do not have them completed by the time class starts, sometimes you might not be able to participate in the in-class activity and in those cases will lose points **both** for the homework and the in-class activity.

Project: There will be one major project which will ask you to answer a research question. The project will be graded on the following components: (1) written

research proposal, (2) written final report containing calculations, charts, and analysis and (3) a presentation to the class. These projects will always be completed as group assignments, and I will give significant time in class to work on it.

Attendance: Daily attendance is required to be successful for this class.

Class Rules: As a general rule *be respectful to your classmates and help provide a healthy environment for learning.*

Please do not talk unnecessarily during class, arrive on time and leave when class is dismissed. When you attend, give your attention to the material or activities we are working on. Please do not use class time to work on other projects.

Technology: We are using computers. Please don't distract yourself or others by surfing the web. Same goes for cell phones.

Assistance: If you have a documented disability or believe you can benefit from any of the services offered by Disabled Student Programs & Services (DSP&S), please contact the DSP&S office 476-4280.

Syllabus subject to change with appropriate notice