

Course Information

Semester & Year: Fall 2019
Course ID & Section: MATH-15-E7275 (047275)
Instructor's name: Dr. Trevor Keiber
Day/Time: M W Th 2:50-4:05pm
Location: Eureka Campus – Room SC 208
Number of units: 4

Instructor Contact Information

Office location: Math Lab, Eureka Campus
Office hours: Monday 1:30-2:30pm and Wednesday 1:30-2:30pm,
Email address: Trevor-Keiber@Redwoods.edu

Required Materials

Textbook Title: Interactive Statistics
Edition: 3rd
Author: Martha Aliaga and Brenda Gunderson
ISBN-13: 978-0131497566
Other requirements: A graphing calculator is required for the course, the TI 83+ or TI 84 models are recommended. Calculators with computer algebra systems (CAS) and cell phones are not permitted for use during exams. Calculators are available to rent from the library for \$15 per semester (try Betsy Buchanan in the back of the LRC in the Math Lab)

Catalog Description

<i>An introduction to basic concepts of descriptive and inferential statistics, with emphasis on the meaning and use of statistical significance. Students will use probability techniques to make decisions via hypothesis testing and will estimate parameters using confidence intervals. The course includes applications from a variety of technical and social science fields.</i>
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Course Student Learning Outcomes (from course outline of record)

<ol style="list-style-type: none"> 1. Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary. 2. Use descriptive and inferential statistics to better understand 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.
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Prerequisites/co-requisites/ recommended preparation

Required: Math 120, or Math 194, or Math 102
Recommended: English 150 or English 102

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
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Evaluation & Grading Policy

Your grade depends on 5 different independently weighted components

Homework 30%

You may expect that a different homework assignment will be assigned after almost every lecture. It is imperative to your success in this course to dedicate time to completing the homework assignments. It is more important to me that you learn by doing all of the assigned problems, rather than turning in uncompleted work. I will accept work after the deadline but it will incur a 10% to 50% point deduction depending how late it is.

Participation 10%

Your participation score depends on attendance, worksheets passed out in class, short quizzes, etc. Missing a class will give you 0 points for the day, missing part of the class, or not engaging in activities will give you 1 point. By attending lectures and engaging in activities you will earn the maximum attendance score (2 points).

Quizzes 15%

There will be 3 quizzes, at the end of units which do not have Midterms. Each quiz is worth 5 % of your grade.

Exams 20%

There will be 2 midterm exams each worth 10% of your grade. We will devote one class session to reviewing the material covered on Exam.

Final 15%

The Final is cumulative. We will spend a class session preparing for it.

I use somewhat unconventional letter grade assignment:

A 100-92% A- 91-88% B+ 87-86% B 80-85% B- 78-79% C+75-77% C 67-74% D/F 0-66%

Accessibility Statement

Graded Work

Homework and Exam scores will be visible on Canvas after they have been graded. Your graded work will be returned to you at the beginning of class - no more than a week after it was submitted - or before any Quizzes or EXAMS. Quiz and EXAM scores will be returned to you after no more than 10 days.

Correspondence

I will respond within 24 hours to emails or messages on Canvas Monday through Thursday. I will try to respond within 48 hours to emails on Friday, weekends and holidays.

Class Time

Class time is for issues that concern the entire class. It is not the time to discuss your grade, homework questions, or other personal matters. Send me an email, or come by my office during office hours to discuss these types of issues.

Academic Support Information

Math Lab Open Hours (Located in the back of LRC): M-Th 10am-6pm, Fri 10am-2:30pm

You may enroll in MATH 30L, for .5 unit (22.5 hours ~ 1.5 hrs a week req) or for 1 unit of credit (45 hours ~ 3 hrs a week req) and in order to obtain supplementary help. The math lab is located in the ASC in back of the Library. Sign up in webadvisor & show up first week of class to fill out paperwork.

MATH 252 Open Mathematics Lab (CRN 043155). This is a FREE, no credit option to get math tutoring help in the math lab.

FREE ASC tutoring by appointment. Call 707-476-4106 OR 707-476-4154.

EOPS Tutors. You must be part of EOPS (Extended Opportunity Programs and Services) to receive this tutoring. Please contact your EOPS counselor to set up tutoring. If you are unsure if you are eligible for EOPS, call them at 707-476-4270 check out their webpage: <https://www.redwoods.edu/eops>

OPTIMATH practice assignments give immediate feedback and written out solutions:
<http://msenux2.redwoods.edu/cgi-bin/online/f17/OTcreatepracticequiz.cgi?course=math30>

The CR Math Jam webpage is a great way to prepare for exams and contains lessons as well as OPTIMATH assignments:
<http://msenux2.redwoods.edu/mathjam/?s=public>

Class participation and Attendance

It is essential to our class that both the students and teacher behave in a manner that will provide a comfortable learning atmosphere. You should not hesitate to ask questions nor feel embarrassed to ask for help. Arriving late or leaving before class is dismissed is disruptive and disrespectful to your fellow students as well as your teacher. Please be prepared with your headphones put away and cell phones silenced. If you must miss a day, please check with a classmate and/or Canvas to see what you missed. Please try to turn in assignments in the day they are due so that you do not "fall behind". Late work will usually be accepted for up to one week but it will incur point losses each day after the due date.

Canvas Information

The canvas page will be updated regularly and will contain a variety of items such as: course announcements, class documents, assignments, review resources and much more. You will be expected to check canvas regularly and be aware of announcements. Be sure to turn on your notifications if you'd like to be notified about things like new announcements, changes to assignments and due dates.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 6 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Class schedule

Week #	Date	Monday	Wednesday	Thursday
1	8/26	CH1 Overview	CH1 Overview	CH1 Overview
2	9/2	Holiday	CH4 Graphical Data	CH4 Graphical Data
3	9/7	CH4 Graphical Data	CH5 Numerical Data	CH5 Numerical Data
4	9/16	Quiz 1 CH6	CH6 Theoretical Distributions	CH6 Theoretical Distributions
5	9/23	CH7 Probability	CH7 Probability	CH7 Probability
6	9/30	CH2 Sampling	CH2 Sampling	Review
7	10/7	EXAM1	CH8 Sampling Distributions	CH8 Sampling Distributions
8	10/14	CH9 Hypothesis Tests: Proportions	CH9 Hypothesis Tests: Proportion	CH9 Hypothesis Tests: Proportion
9	10/21	CH10 Hypothesis Tests: Means	CH10 Hypothesis Tests: Means	Quiz 2, CH3
10	10/28	CH3 Experimental Design	CH3 Experimental Design	CH11 Comparing Two Samples
11	11/4	CH11 Comparing Two Samples	CH11 Comparing Two Samples	CH12 ANOVA
12	11/11	Holiday	CH12 ANOVA	Review
13	11/18	EXAM2	CH13 Linear Regression	CH13 Linear Regression
14	11/25	Holiday	Holiday	Holiday
15	12/2	Ch15 Chi-Squared Tests	CH14 Chi-Squared Tests	CH15 Non-Parametric Tests
16	12/9	CH15 Non-Parametric Tests	Quiz3, Review	Review
17	12/16	Final Exam		

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling and Advising](#) offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams.
- [Library Services](#) to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center [waiting for hyperlink and Mission]
- Math Lab & Drop-in Writing Center

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821
- The [Honors Program](#) helps students succeed in transferring to a competitive four-year school.

Technology support

Students can obtain a free [Office 365 license](#) (includes Word, Excel, PowerPoint and more) with a valid CR email.

Before contacting Technical Support please visit the [Online Support Page](#). For password issues with Canvas, Web Advisor or your mycr.redwoods.edu email, contact its@redwoods.edu or call 707-476-4160 or 800-641-0400 ext. 4160 between 8:00 A.M. and 4:00 P.M., Monday through Friday.

Gender-Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is gender-inclusive and non-sexist to affirm and respect how people describe, express, and experience their gender. Just as sexist language excludes women's experiences, non-gender-inclusive language excludes the experiences of individuals whose identities may not fit the gender binary, and/or who may not identify with the sex they were assigned at birth. Gender-inclusive/non-sexist language acknowledges people of any gender (for example, first year student versus freshman, humankind versus mankind, etc.), affirms non-binary gender identifications, and recognizes the difference between biological sex and gender expression.

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Institutional Policies

Admissions deadlines & enrollment policies

Fall 2019 Dates

- *Last day to add a class: 8/23/19*
- *Last day to drop without a W and receive a refund: 9/6/19*
- *Census date: 9/9/19*
- *Last day to petition to graduate or apply for certificate: 10/31/19*
- *Last day for student-initiated W (no refund): 11/1/19*
- *Last day for faculty initiated W (no refund): 11/1/19*
- *Veteran's Day (all campuses closed): 11/11/19*
- *Fall break (no classes): 11/25/19 – 11/30/19*
- *Final examinations: 12/14/19 – 12/20/19*
- *Semester ends: 12/20/19*

Students who have experienced extenuating circumstances can complete & submit the **Excused Withdrawal Petition** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

Academic dishonesty

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. 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 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. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. 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 / 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.