CR COLLEGE OF THE REDWOODS

Syllabus for Math 15

Course Information

Semester & Year: Fall 2019
Course ID & Section #: MATH-15-E7267
Instructor's name: Holland Heese
Day/Time or *Online:
Location or *Online: SC 202
Number of units: 4

Instructor Contact Information

Office location or *Online: Library
Office hours: T 2-3 PM, Th 1:45-2:45 PM
Phone number:
Email address: holland-heese@redwoods.edu

Required Materials

Textbook Title: OpenIntro Statistics
Edition: 4th
Author: David M Diez, Christopher D Barr, Mine Centinkaya-Rundel
ISBN: 978-1943450077
Other requirements: 1. Access to a computer running a modern HTML 5 compliant web browser (Firefox/Safari/Chrome), or a computer capable of running R and R Studio. 2. A scientific/graphing calculator.

Catalog Description

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.

Course Student Learning Outcomes *(from course outline of record)*

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.

Evaluation & Grading Policy

Your grade in this course will evaluated in 4 ways:

1. **Online Homework (10%)** – Each week you will be assigned an online homework assignment on Canvas. These online assignments will work like any other online homework system except you will access it through Canvas rather than directly through MyOpenMath/Optimath.

2. **Lab Reports (25%)** – We will be having Lab days where we work on statistical problems using the R statistical language. Each lab day, I will give you a set of questions that you must answer on the problem we are working on. You might finish these during the lab, or you might have to take them home to finish. That will depend on the lab.

3. **Written Homework/Quizzes (25%)** – For each chapter of the book, I will assign you problems that you must write up the answers to. These will be due when we finish the chapter. We will also have Quizzes after we finish each chapter of the book. You will be able to use your written homework for that chapter as notes on the Quiz. The quiz questions will closely resemble a small selection of the homework problems.

4. **Tests (40%)** – We will have two tests in the class. One in the middle of the class, which I will announce the date of at least two weeks prior. Then another one during our final period, Monday December 16 3:15-5:15

Prerequisites/co-requisites/ recommended preparation

Completion of Intermediate Algebra or appropriate placement based on AB 705 mandates.

Special accommodations statement

[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 accommodations, please see me or contact Disability Services and Programs for Students. Students may make requests for alternative media by contacting DSPS based on their campus location:

•   Eureka: 707-476-4280, student services building, 1st floor

•   Del Norte: 707-465-2324, main building near library

•   Klamath Trinity: 530-625-4821 Ext 23

Student Accessibility Statement and Academic Support Information

 These standards are required by federal regulation. Students will have access to this course that complies with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Course materials will include a text equivalent for all non-text elements; videos will include closed captioning, images will include alt-tags, hyperlinks will use descriptive/meaningful phrases instead of URLs and audio files will include transcripts. All text will be formatted for use with screen readers and all course materials will be understandable without the use of color.

Students who discover access issues with this class should contact the instructor.

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.

Attendance Policy

Attendance is extremely important for your success in the class. If you miss more than 3 days of class, you may be dropped from the course. This includes if you attend the class session (Math 15) but miss the support session (Math 15S) and vice versa.