CR COLLEGE OF THE REDWOODS

Syllabus for Math-15-V0309

Course Information

Semester & Year: Spring 2021
Course ID & Section #:   Math-15-V0309
Instructor's name: Mr. Jon Pace
Proctored exams: The Final Exam **_MAY_** be proctored.
Course units: 4 units

Instructor Contact Information – *I prefer that you message me in Canvas.*

Office hours: Wednesdays & Thursdays @ 3:00 – 5:00pm on Zoom
Phone number: 707-476-4222 (Office Phone)
Email address: jonothan-pace@redwoods.edu

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

1) Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary.

2) Use descriptive and inferential statistics to solve 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.

Co-requisite Course

MATH-15S-V0310 - Support for Statistics (**Attending these meetings is mandatory.**)

Evaluation & Grading Policy

Your final grade will be determined as follows:

Online Homework:	25 %
Written Homework:	25 %
Group Discussions:	25 %
Exams:	25 %

The grade breakdown is as follows:

A	93 – 100 %	C+	77 – 79.9 %
A-	90 – 92.9 %	C	70 – 76.9 %
B+	87 – 89.9 %	D	60 – 69.9 %
B	83 – 86.9 %	F	0 – 59.9 %
B-	80 – 82.9 %		

Required Text

Introductory Statistics, Openstax College
Download a copy for free or purchase online at: https://openstax.org/details/introductory-statistics

Computer Requirements

You should have high-speed internet (such as broadband) service from cable, DSL, or satellite providers as there are videos that require this speed. You need to have reliable access to the internet for the duration of the course. **Anticipate problems with your computer and internet access (including power outages) by not waiting until the last minute to submit assignments.** It is your responsibility to meet the class deadlines.

Portable Devices vs. Computers

Although you can use an up-to-date portable devices (such as Android or iOS phones & tablets) for some things, you should plan on doing the majority of your work reasonably up-to-date notebook or desktop computer (Mac or PC). **You will not be able to participate in this class solely from a portable device**. If you do decide to use your portable device for some of your class work, use the free Canvas app (called "Canvas by Instructure") available in iTunes (for iOS) and the Google Play Store (for Android).

Scanner
You are required to convert written work into a PDF file that will be uploaded into Canvas assignments. You may use a Printer/Copier/Scanner or, if you do not have access to one, a phone app like the one below will work fine.

Android / iPhone App: CamScanner

Video links demonstrating how to use CamScanner:

Android: https://www.youtube.com/watch?v=b3W9EoVXc6s

iPhone: https://www.youtube.com/watch?v=pc7dkXaer2s

R & RStudio
It is critically important that you download R first!! Please follow the steps in order!

For Windows Computers

Step 1: **Click this link to download R**

Step 2: Click on: **download R** (this is in the first paragraph)

Step 3: On this new page, scroll down until you see: **USA**

Step 4: Choose the first link under **USA**. **(Currently it is Iowa State)**

Step 5: Click on **Download R for Windows**

Step 6: Click on **install R for the first time** **(R should now be installed on your computer!)**

Step 7: **Click this link to download RStudio**

Step 8: Scroll down to: **RStudio Desktop - Free**

Step 9: Click on: **Download RStudio for Windows**

> *** If you have a 32-bit version of Windows, in the text below "All Installers", at the very end, click the link older versions of RStudio and search for the version compatible with your operating system.**

For Mac Computers

Step 1:   **Click this link to download R**

Step 2: Click on, **download R**, in the first paragraph.

Step 3: On this new page, scroll down until you see: **USA**

Step 4: Choose the first link under **USA**. (Currently it is Iowa State)

Step 5: Clicked on: **Download R for (Mac) OS X**

Step 6: Scroll down and click on: **R-4.0.3.pkg (or the most up-to-date version)**

Step 7: **Click this link to download RStudio**

Step 8: Scroll down to: **RStudio Desktop - Free**

Step 9: Scroll down and click on the 2nd option: **RStudio-1.3.1093.dmg**

> *** If you have an older MacOS, in the text below "All Installers", at the very end click the link older versions of RStudio and search for the version compatible with your MacOS.**
>
> **IMPORTANT: Save this file into the same folder you put the R file**.

For Chromebooks

Click on this link and follow the step-by-step directions exactly, even if you do not understand what they are doing: https://francish.netlify.app/post/installing-r-and-rstudio-on-a-pixel-slate/

Student Readiness
Are you ready for online classes? Please take about 15 minutes to review what it means to take an online class by watching the Introduction to Online Learning presentation.

Student Commitment
Your commitment will require at least as much time as you dedicate to a traditional class, probably more! Necessary involvement includes:

- Actively engaging with online Video Lessons.
- Participating in online discussions.

- Completing weekly quizzes.
- Completing online and written homework.
- Time management. **You will need to spend <u>at least 12 hours a week</u> on this course**.

Tutoring Help

- Contact the Library for individual tutoring:

- Click the link, **NetTutor,** found on the left-hand side of our Canvas course page.

Office Hours

I will hold weekly Zoom office hours on Wednesdays & Thursdays @ 3:00 – 5:00pm. If can find the Zoom links and passwords clicking on the **Announcement** link on the left-hand side of our Canvas home page and opening the announcement **Office Hours**.

Exams – 25%

There will be 4 semester exams & a cumulative final exam. See the Weekly Course Schedules for exam dates. Each exam will be open for two days and will be in the form of a timed quiz accessible in Canvas. You will have 2 hours to complete the exam and upload the exam as a pdf file directly into the exam quiz. Detailed directions will accompany each exam. **You can only make up a missed exam if you notify me _PRIOR_ to the exam being given.**

<u>Final Exam</u>

- **Opens on Wednesday, May 12th @ 12:00am**
- **Closes on Thursday, May 13th @ 11:59pm**

Group Discussions – 25%

There will be a weekly discussion focusing on the statistical software R & RStudio. The weekly discussions will be posted in Canvas and will contain detailed instructions and a detailed grading rubric. Each discussion consists of an **Original Post due on Wednesdays by 11:59pm** and **2 replies due on Fridays by 11:59pm.** Canvas will only list the final deadline on Friday, but you <u>must post your Original Posts on Wednesdays by 11:59pm.</u>

- Please read more information about discussion posts in Canvas: <u>Student Canvas Guide on Discussions.</u>
- Please read the rules of online etiquette that you must follow for all discussions: <u>Netiquette</u>.

Written Homework – 25%

At the beginning of each week a written homework assignment will become available and will be done towards the end of the week. I will drop your 2 lowest written homework score. Many written homework assignments *will involve RStudio content* that you will learn in the *Discussions*.

Each written homework assignment will also be posted on Canvas in the weekly module for the week it is covered. You can also find each homework assignment in Canvas by clicking **Assignments** in the list on the left-hand side of our course page.

Guidelines for Written Homework

1) Each written homework assignment must be submitted as single pdf file. **Multiple pages must be put into a single pdf file**!

2) You must name each file as follows: First Name – Last Name – Assignment Name
   ex) If I am uploading Written Homework 1, my file name is: **Jon-Pace-WH1**

3) I must be able to read your work. If I cannot read your writing, you will not get credit for that problem.

4) You must answer questions in complete, grammatically correct sentences when appropriate. More explanation is almost always better than less explanation.

5) Show your work – ***do not just turn in a list of answers***.

Online Homework – 25%

This course utilizes a website **MyOpenMath (MOM)** for online homework. Please follow the directions below to create an account to access our course. There are direction if you are new to MOM or if you already have a MOM account. Please click the following link to access this site:
https://www.myopenmath.com/index.php

Course ID: **101253**   Enrollment Key: **(Leave this blank!)**

If you are new to MyOpenMath:

1. Click "Register as New Student" below the login button.

2. Follow the directions to create your account.

3. On the bottom, enter in the Course ID.

4. Leave the Enrollment Key option blank.

If you already have a MyOpenMath account*:*

1. Sign into your account.

2. Select "Enroll in a New Class" & then enter in the Course ID.

3. Leave the Enrollment Key option blank.

Each *MOM* assignment will open on the Sunday of the week it is covered and close either the Thursday or Saturday later that week. You have unlimited attempts on each question while the assignment is open. Once you get a question correct, it is lock in a correct. After an assignment closes, it is still available in **Review Mode** for extra practice. It is critical for your learning success that you begin the homework as early in the week as possible while the material is still fresh in your mind.

CR Students get Microsoft Office365 FREE

All CR Students can get OFFICE 365 for *free* -- for PC, Mac, Smartphone, Tablet – using your @mycr.redwoods.edu email address.

1) Go to: **https://products.office.com/en-US/student/office-in-education#FAQS**

2) Enter your student email account (e.g., jdoe555@mycr.redwoods.edu)

3) Go into student email account & click on the verification link in the Microsoft email.

4) The link will take you back to the website. Download the software. **Make sure it physically downloads the files onto your computer**. You should be able to open Word, Excel, and Power Point without being online.

Accessibility

Students will have access to online course materials that comply with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Students who discover access issues with this class should contact the instructor.

College of the Redwoods is also committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or Disability Services and Programs for Students (DSPS). 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 103

During COVID19, approved accommodations for distance education classes will be emailed to the instructor by DSPS. In the case of face to face instruction, please present your written accommodation request to your instructor at least one week before the first test so that necessary arrangements can be made. Last-minute arrangements or post-test adjustments cannot usually be accommodated.

Support for online learners during COVID-19

In response to COVID-19, College of the Redwoods moved the majority of its courses online to protect health and safety. As the faculty and students adjust to this change, clear communication about student needs will help everyone be successful. Please let me know about any specific challenges or technology limitations that might affect your participation in class. I want every student to thrive.

Admissions deadlines & enrollment policies – Spring 2021

- Classes begin: 1/16/21
- MLK Jr. Birthday (all campuses closed):   1/18/21
- Last day to add a class: 1/22/21
- Last day to drop without a W and receive a refund: 1/29/21
- Census date: 2/01/21
- Last day to petition to file P/NP option: 2/12/21
- Lincoln's Birthday (all campuses closed):   2/12/21
- President's Day (all campuses closed):   2/15/21
- Last day to petition to graduate or apply for certificate: 3/04/21
- Spring Break (no classes):   3/15/21 – 3/20/21
- Last day for student-initiated W (no refund):   4/02/21
- Last day for faculty-initiated W (no refund):   4/02/21
- Final examinations: 5/08/21 – 5/14/21
- Semester ends: 5/14/21
- Grades available for transcript release: ≈ 5/31/21

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. In addition, the student 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.

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 inclusive and respectful.

Setting Your Preferred Name in Canvas

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.

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.

Log into Canvas: https://redwoods.instructure.com
Password: Your 8-digit birth date
Tech help: its@redwoods.edu (707-476-4160)
Canvas Help: https://www.redwoods.edu/online/Help-Student
Canvas Workshop: https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges Health & Wellness website.
Wellness Central is a free online health and wellness resource that is available 24/7 in your space at your pace. Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary to receive emergency alerts. Check to make sure your contact information is up-to-date:

1) Log into WebAdvisor: https://webadvisor.redwoods.edu

2) Select **Students**

3) Select **Academic Profile**

4) Select **Current Information Update**

5) Update your current information.

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the Redwoods Public Safety Page.

In an emergency that requires an evacuation of the building anywhere in the District:
- 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 campus authorities.

Eureka Campus Emergency Procedures

Please review the campus emergency map for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the Redwoods Public Safety Page It is the responsibility of College of the Redwoods to protect life and property from the effects of emergency situations within its own jurisdiction.

In the event of an emergency:

1) Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2) Dial 911, to notify local agency support such as law enforcement or fire services.
3) Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4) Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.

5) Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6) If safe to do so, notify key administrators, departments, and personnel.
7) Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

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 offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students:

- Academic Support Center for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- Library Services to promote information literacy and provide organized information resources.
- Multicultural & Diversity 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

Note: This syllabus is subject to change. I will notify you via Canvas should this become necessary.