

<b>Syllabus for Math 15 Introduction to Statistics– Eureka Campus</b>		
<b>Semester &amp; Year</b>	Fall 2018	
<b>Course ID and Section #</b>	MATH-15-E5120	
<b>Instructor’s Name</b>	Erin Wall	
<b>Day/Time</b>	TTH 1:15 – 3:20pm	
<b>Location</b>	SC 208	
<b>Number of Credits/Units</b>	4	
<b>Contact Information</b>	<i>Office location</i>	SC 216G
	<i>Office hours</i>	Mondays and Thursdays 10:05 – 11:30am Others by appointment
	<i>Phone number</i>	707-476-4351
	<i>Email address</i>	Erin-wall@redwoods.edu
<b>Textbook Information</b>	<i>Title &amp; Edition</i>	OpenIntro Statistics 3 <sup>rd</sup> Edition
	<i>Author</i>	Diez, Barr, and Cetinkaya-Rundel
	<i>ISBN</i>	978-1-943450-05-3 (Available free online: <a href="https://www.openintro.org/stat/textbook.php?stat_book=os">https://www.openintro.org/stat/textbook.php?stat_book=os</a> )
<b>Course Description</b>		
<p>The study of statistical methods as applied to descriptive statistics and inferential statistics. An emphasis on the meaning and use of statistical significance will be central to the course. Students will use probability techniques to make decisions via hypothesis testing and will estimate parameters using confidence intervals. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. The course includes applications using data from disciplines including business, social sciences, psychology, life science, health science, and education.</p>		
<b>Student Learning Outcomes</b>		
<ol style="list-style-type: none"> <li>1. Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary.</li> <li>2. Use descriptive and inferential statistics to solve real-world problems.</li> <li>3. Demonstrate appropriate use of technology in making decisions based upon real-world data.</li> <li>4. Read and interpret information that contains statistical analysis and be able to communicate these results.</li> <li>5. Judge the validity of research reported in the mass media and peer reviewed journals.</li> </ol>		
<b>Special Accommodations</b>		
<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 <a href="#">Disabled Students Programs and Services</a>. Students may make requests for alternative media by contacting DSPS at 707-476-4280.</p>		
<b>Academic Support</b>		

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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.

### 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/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

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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](mailto: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.*

### Other Required Materials

- 8.5” X 11” paper
- Graph Paper
- Pencils
- Erasers
- Ruler
- TI-83/84 Graphing Calculator
- Colored Pencils (recommended)

### Course Grading Scale

Homework	15%
Class Activities and Opportunity Corrections	15%
Weekly Quizzes	20%
Opportunities (others would call these tests)	35%
Final	15%

Letter Grades will be assigned no stricter than the following:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

### Class Time

Class time is for issues that concern the entire class. It is not the time to discuss your grade, homework questions, or any other individual matters. Send me an email, call me, or come by my office during office hours to discuss these kinds of issues. We will spend the first 10-15 minutes of class time on homework questions from the previous class meeting’s assignment. If you have more than a question or two from the assignment you will want to get some help outside of class.

### Homework

Homework will be posted as assigned on the Canvas site for this course, under the Assignment Link, throughout the semester. I will post assigned and due dates for each assignment as we cover the material.

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Homework is where you get to practice and receive feedback on using mathematical notation correctly and applying the concepts we learn about in class. Written homework should be neatly done in pencil and meet the following guidelines:

- Your name, homework section and problem numbers on the top of your paper.
- If multiple pages, staple in the upper left corner.
- Begin each problem with the original problem (except story problems), show appropriate work, and the answer should be at the end of each problem. Work down the page.
- With story problems be sure to begin with assigning variables or a picture, and your answer should be written in a complete sentence at the end.
- Graphs made by hand (not sketched from calculator) need to be done on graph paper.
- When answering short answer/essay questions use complete sentences.

Your grade will be based upon whether it looks like you did all the problems, checked your odd answers in the text, looks mostly correct, whether you followed the guidelines given above, and whether you used notation properly as illustrated in your text and in class. Each assignment is worth 10 points. Late homework will be accepted up to a week from when it is assigned for at most 7 points.

### **Class Activities and Opportunity Corrections**

Your presence and participation in class is essential for making this class successful. Your participation in activities and your questions inform me, and you, of whether you are gaining an understanding of the material. Your Class Activities and Opportunity Corrections grade will be based upon:

- Warm Ups/Practices (I will collect many but not all of these)
- Online Survey/Questions regarding readings, videos, or other lecture preparations
- Short in class activities
- Larger Class Activities
- Opportunity Corrections

All but, the larger activities and Opportunity Corrections, are 5 points each. There is no way to do these ahead of time or make these activities up. You can accumulate points to offset these by answering one of the homework questions put up on the board by one of your fellow students or sharing your work on the board when I seek volunteers in class.

### **Weekly Quizzes**

There will be weekly quizzes assigned each Thursday and due the next Thursday except for weeks when there is an Opportunity given. These quizzes are done online using a computer. They will usually be over the material we covered that week. You may repeat each quiz as many times as you want, hopefully until you receive your desired score before the due date. You may access the online quizzes through Canvas. You will get a chance to work on the system in class the end of the first week or beginning of the second week to get comfortable with the system. Each quiz is worth 10 points each and the number of questions will vary depending on the difficulty of the material.

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### Opportunities and Final

There will be 3 Opportunities during the semester. See the “Tentative Schedule” below for when these are tentatively scheduled. Make-ups are given at my discretion. The earlier you contact me with regards to the potential or actual missing of an Opportunity increases your chances of being granted a make-up or being able to make other arrangements to take the Opportunity.

If you miss an Opportunity and are not able to make it up, or do poorly on one of these, your percentage on the Final will replace that Opportunity’s score. ***Do not plan on leaving town before your scheduled final which is Thursday December 13<sup>th</sup> 1:00 – 3:00pm.***

### Graded Papers

Papers I have graded and recorded will be brought to class. I will pass these back before class, during class work, and they will also be available for you to pick up at the end of class. Homework, class activities, and quizzes will usually be graded and recorded within 48 hours of the close of the week. I will have Opportunities graded and recorded within 14 days from the moment I receive the last Opportunity from the proctors.

### Email

I will respond within 24 hours to emails Monday through Friday and within 48 hours to emails on weekends/holidays.

### Attendance/Participation Policies

Students who have not actively participated in class by the end of the second week will be dropped on September 4<sup>th</sup>. Non-participation includes missing classes and/or not doing assignments.

Administrative Procedure (AP) 5075 allows instructors to withdraw students from class for non-participation through the 10<sup>th</sup> week of classes (October 26<sup>th</sup>). Non-participation for two weeks of assignments may result in involuntary withdrawal.

### Cell Phone Policy

Cell phones need to be turned off. If you must leave your cell phone on put it on vibrate in your pocket and sit next to the door. Be sure to quietly exit the classroom and move away from the door quickly before answering. If I decide that you did not answer your cell phone respectfully or your phone rings out loud in class, you need to bring treats for everyone the next class meeting to express your sincere apology. I also reserve the right to deduct points from your class participation points. Please do not text. Texting distracts you at the time but negatively impacts the learning environment for everyone around you as well, including myself. The reason being that when I give the class problems to work on or have you work in groups you are left clueless as to what you are suppose to be doing. I will deduct points from your participation grade for texting.

### Tentative Schedule

Note: Dates TBA for Pizza & Problems

Week#	Mon	Tuesday	Wed	Thursday	Fri
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1	Aug 20 Most CR Classes begin	Aug 21 Intro, Section 1.1	Aug 22	Aug 23 Section 1.1/1.2	Aug 24 Last Day to Add	
2	Aug 27	Aug 28 Section 1.3/1.4	Aug 29	Aug 30 Section 1.4/1.5	Aug 31 Last Day to Drop w/o "W" and get Refund	
3	Sep 3 Labor Day (CR/HSU Holiday)	Sep 4 <b>Census Day</b> <b>No Class</b>	Sep 5	Sep 6 Section 1.6/1.7	Sep 7	
4	Sep 10	Sep 11 <b>Census Rosters Due</b> Section 1.7/1.8	Sep 12	Sep 13 Catch-up/Review	Sep 14 Last Day to file P/NP option (if avail; Flex Goals Due)	
5	Sep 17	Sep 18 Review/Opportunity #1	Sep 19 <i>Talk Like a Pirate Day</i>	Sep 20 Section 2.1/2.4.1	Sep 21	
6	Sep 24	Sep 25 Section 2.4.2/2.5	Sep 26	Sep 27 Section 3.1/3.2	Sep 28 <b>Native American Day*</b>	
7	Oct 1	Oct 2 Section 3.2/3.4	Oct 3	Oct 4 Catch-up/Review	Oct 5	
8	Oct 8	Oct 9 Review/Opportunity #2	Oct 10 <i>Powers of 10 Day</i>	Oct 11 Section 4.1/4.2	Oct 12	Oct 13 CMC Confer
9	Oct 15	Oct 16 Section 4.2/4.3	Oct 17	Oct 18 <b>10:18am Grt Calif Shakeout</b> Section 4.4/4.5	Oct 19 <b>SCIENCE NIGHT</b>	
10	Oct 22	Oct 23 Section 4.5/5.1	Oct 24 <i>2-to-the-10<sup>th</sup> Day</i>	Oct 25 Last Day to Petition to Graduate or Apply for Certif Section 5.2/5.3	Oct 26	
11	Oct 29	Oct 30 Section 5.3/5.5	Oct 31 <i>Halloween</i>	Nov 1 Section 5.5/Catch-up	Nov 2 Last Day for Withdrawal	
12	Nov 5	Nov 6 Catch Up/Review	Nov 7	Nov 8 Opportunity #3/Section 6.1	Nov 9	
13	Nov 12 Veterans Day Observed (CR/HSU Holiday)	Nov 13 Section 6.1/6.2	Nov 14	Nov 15 Section 6.2/6.3	Nov 16	
Fall Break	Nov 19	Nov 20	Nov 21	Nov 22 <b>Thanksgiving</b>	Nov 23 <i>Fibonacci Day</i> (CR Holiday)	Nov 24 (No class)
14	Nov 26	Nov 27 Section 7.1/7.2	Nov 28	Nov 29 Section 7.2/7.3	Nov 30	Dec 1 <i>Putn Ma Comp</i>
15	Dec 3	Dec 4 Section 7.4/Catch-up	Dec 5	Dec 6 Catch-up/Review	Dec 7 AF Flex Forms Due	Dec 8
FINALS WEEK	Dec 10	Dec 11	Dec 12	Dec 13 <b>Final 1:00 – 3:00pm</b>	Dec 14	Dec 15