

Syllabus for Math-15-E3139		
Semester & Year	Fall 2017	
Course ID and Section #	Math-15-E3139	
Instructor's Name	Mr. Jon Pace	
Day/Time	T TH 1:15 – 3:20 PM	
Location	SC 208	
Number of Credits/Units	4 units	
Contact Information	<i>Office hours</i>	T TH 12:00 – 1:00 PM in SC 216H Math Lab: Tuesday 4:30 – 6:00 Wednesday 3:30 – 5:00
	<i>Phone #</i>	(707) 476-4222
	<i>Email address</i>	jonathan-pace@redwoods.edu or via Canvas
Textbook Information	<i>Title & Edition</i>	Interactive Statistics, 3 rd Edition
	<i>Author</i>	Aliaga & Gunderson
	<i>ISBN</i>	ISBN #: 0-13-149756-1 or ISBN 10: 0131497561 ISBN 13: 9780131497566
Course Description		
<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> <p><i>Special notes or advisories:</i> A TI-83 or TI-84 graphing calculator is required</p>		
Student Learning Outcomes (as described in course outline) :		
<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 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. 		

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5. Judge the validity of research reported in the mass media and peer reviewed journals

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.

Academic Support

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:

www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf 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

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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:

www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProcedu/resrev1.pdf

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/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to <http://redwoods.edu/safety/>. 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 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.

*** I reserve the right to change this syllabus at any time as I see fit.**

Materials you will need:

- **Required Text:** *Interactive Statistics*, 3rd Edition, by Aliaga & Gunderson.
Published by Prentice Hall. 2006.

ISBN: 0-13-149756-1

ISBN 10: 0131497561; ISBN 13: 9780131497566

- **Graphing Calculator:** A Graphing Calculator, such as a TI-83 Plus, TI-84 is required. You may rent a calculator for \$15.
Follow the link below for more details.
<https://www.redwoods.edu/math/Resources/Calculator-Rentals>
- **Time.** It is critical to your success in this course that you read the book. You should budget this time requirement into your weekly time allotted for this course.

Recommended

1. Math Lab: <https://www.redwoods.edu/math/Lab>
2. I would recommend forming study groups. They are a great way to study for exams and do homework problems.

Classroom Environment

It is essential to our class that both students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful of one another. We are all adults and an open, comfortable environment is crucial for learning. Therefore, you should not hesitate to ask any questions, feel embarrassed to ask any question, or seek help. **Turn off cell phones before entering the classroom.**

Exams

There will be 5 exams comprising 30% of the course grade and a cumulative final exam worth 15% of your course grade. I will notify you at least one week in advance as to the date of each exam (*see course schedule*). Before each exam, I will post a practice exam on Canvas. All exams need to be taken in class on the day of the exam or in the ASC with proper authorization.

Final Exam: Thursday, Dec. 14th @ 1:00 – 3:00 PM
Make Travel Plans Accordingly!

Homework

Online Homework: Each section will have an online homework assignment at Myopenmath. Each assignment will be open for 3 full days during which time you will have unlimited attempts at each problem. It is critical that you do the homework and take it seriously. This is where much of your actual learning in this course takes place.

MyOpenMath: <https://www.myopenmath.com/index.php>

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Leave Enrollment Key blank!

Written Homework: Each week I will post a written assignment on Canvas under the module “**Written Homework**” that is due at the beginning of class the following Tuesday. I will drop your lowest written homework score.

Quizzes

There will be a quiz every Thursday at the beginning of class. You will be given 10 – 15 minutes to complete the quiz from the time the quiz is handed out. If you are late you will have less time to do the quiz. Be on time! The quizzes will be on the material covered the week prior. I will drop your lowest quiz score.

Projects

There will be 2 projects throughout the semester that will involve analyzing and interpreting a scientific paper and presenting a study in a college level, scientific style paper. Project details and rubric will be provided for each project.

Grades

Your final grade will be determined as follows:

Myopenmath:	20 %
Written Homework:	10 %
Quizzes:	15 %
Projects:	15 %
Exams:	25 %
Final Exam:	15 %

The grade breakdown is as follows:

A	93 - 100%	C+	77 - 79%
A-	90 - 92%	C	70 - 76%
B+	87 - 89%	D	60 - 69%
B	83 - 86%	F	0 - 59%
B-	80 - 82%		

Mathematics Department Policy Regarding “Faculty Withdrawal” of Students after Census Day

It is the policy of the College of the Redwoods Math Department to exercise a "Faculty Withdrawal" for any student who has missed more than 15% of the class meeting time (prior to the drop deadline), due to the severely diminished likelihood of a successful outcome in the course. It is important to note that, if it is the student's intention to withdraw from the course, the responsibility remains with the student to ensure the proper paperwork has been filed – that is, students are not to assume the teacher will file the "Withdrawal" automatically.

Guidelines for Written Homework

1. **You must use a pencil (NO PENS)**, and erase carefully, when necessary.
2. I must be able to read your work. If I cannot read your writing, you will not get credit for that problem.
3. You must answer questions in complete, grammatically correct sentences when appropriate. More explanation is almost always better than less explanation.
4. Show your work – **do not just turn in a list of answers.**

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Math-15-E3139, Fall 2017
1st – Half Schedule

Date	Sections Covered	Written Homework Due
Week 1		
Aug. 29 th	Class Intro, Sections 1.1 – 1.2	Tuesday, Sept. 5 th
Aug. 31 st	Sections 1.3 – 1.4	
Week 2		
Sept. 5 th	Sections 1.4	Tuesday, Sept. 12 th
Sept. 7 th	Section 2.2 – 2.8	
Week 3		
Sept. 12 th	Sections 3.2 – 3.5	Tuesday, Sept. 19 th
Sept. 14 th	Sections 4.2 – 4.3	
Week 4		
Sept. 19 th	Exam 1 (ch: 1, 2, 3)	Tuesday, Sept. 26 th
	Sections 4.4 – 4.5	
Sept. 21 st	Sections 5.2 – 5.4	
Week 5		
Sept. 26 th	Section 13.2 – 13.3	Tuesday, Oct. 3 rd
Sept. 28 th	Sections 13.4 – 13.6	

Date	Sections Covered	Written Homework Due
Week 6		
Oct. 3 rd	Section 13.7 – 13.8	Tuesday, Oct. 10 th
Oct. 5 th	Exam 2 Review	
Week 7		
Oct. 10 th	Exam 2 (ch: 4, 5, 13)	Tuesday, Oct. 17 th
Oct. 12 th	Sections 6.2 – 6.4	
Week 8		
Oct. 17 th	Sections 7.5	Tuesday, Oct. 24 th
Oct. 19 th	Section 7.5	

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2nd – Half Schedule

Date	Sections Covered	Written Homework Due
Week 9		
Oct. 24 th	Sections 8.2 – 8.3	Tuesday, Oct. 31 st
Oct. 26 th	Sections 8.3 – 8.4	
Week 10		
Oct. 31 st	Exam 3 (ch: 6, 7, 8) Sections 9.2 – 9.4	Tuesday, Nov. 7 th
Nov. 2 nd	Sections 9.5 – 9.6	
Week 11		
Nov. 7 th	Sections 10.2 – 10.3	Tuesday, Nov. 14 th
Nov. 9 th	Sections 10.4 – 10.5	
Week 12		
Nov. 14 th	Sections 11.2 – 11.3	Tuesday, Nov. 21 st
Nov. 16 th	Sections 11.4 – 11.5 Exam 4: Take-home Exam (ch. 9, 10, 11) Due on 11/28	

Week 13		
Date	Sections Covered	Written Homework Due
Nov. 21 st	Sections 12.2 – 12.5	Tuesday, Nov. 28 th
Nov. 23 rd	NO Class!	
Week 14		
Nov. 28 th	Sections 12.5 & 14.2	Thursday, Dec. 5 th
Nov. 30 th	Sections 14.3 – 14.4 Exam 5: Take-home Exam (ch. 12, 13, 14) Due on 12/07	
Week 15		
Dec. 5 th	Section 14.5	
Dec. 7 th	Final Exam Review	
Final Exam: Thursday, Dec. 14th from 1:00 – 3:00 PM		

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