

## Course Information

Semester & Year: Fall 2019
Course ID & Section #: MATH-15-E7269, MATH-15S-E8404
Instructor's name: Paige MacDonald
Day/Time: 15 TTh 6:05-8:10pm, 15S TTh 8:20-9:45pm
Location: SC 202
Number of units: 4 + 1

## Instructor Contact Information

Office location or *Online: TBD
Office hours: TBD
Email address: paige-macdonald@redwoods.edu

## Required Materials

Textbook Title: OpenIntro Statistics
Edition: 4 <sup>th</sup>
Author: Diez, Cetinkaya-Rundel, and Barr
ISBN: 978-1943450077
Other requirements: TI-84 Graphing Calculator (available for rent: <a href="https://www.redwoods.edu/math/Mathematics-Home/Resources/Calculator-Rentals">https://www.redwoods.edu/math/Mathematics-Home/Resources/Calculator-Rentals</a> ), myOpenMath account (Free!): see below for more info.

## Catalog Description

15: 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.

15S: A support course for Math 15, "Introduction to Statistics." Through hands-on activities and group work, students learn skills and explore concepts crucial for success in transfer-level statistics.

## Course Student Learning Outcomes

- 15:
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.
- 15S:
1. Apply numerical and algebraic techniques to understand and evaluate statistical formulas.
  2. Interpret graphs and represent data graphically to support statistical arguments.
  3. Implement effective learning strategies.

### 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, contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS at 707-476-4280, student services building, 1<sup>st</sup> floor.

### 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 \(EOPS\)](#), for eligible students, with advising, assistance, tutoring, and more.

### Important 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*
- *Thanksgiving (all campuses closed): 11/28/19 – 11/29/19*
- *Final examinations: 12/14/19 – 12/20/19*
- *Semester ends: 12/20/19*

### 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](#).

## Evaluation & Grading Policy (15)

### Final Grade

Written Homework	20%	94 – 100 %	A	70 – 76.9 %	C
Online Homework	15%	90 – 93.9 %	A-	60 – 69.9 %	D
Quizzes	20%	87 – 89.9 %	B+	< 60 %	F
Exam I	15%	84 – 86.9 %	B		
Exam II	15%	80 – 83.9 %	B-		
Final	15%	77 – 79.9 %	C+		

### Written Homework

Written homework will be assigned on Thursday each week, and due the following Thursday (with the exception of exam weeks). Homework should be neatly written and handed in at the beginning of class on the due date. Please write your first and last name, and the # of the homework assignment in the upper right corner of your paper, and staple multiple papers in the upper left corner. Problems should be organized on the paper in the order they are assigned. Your lowest 2 homework scores will be dropped. Late assignments will not be accepted.

### Online Homework

Online homework will be assigned approximately weekly. Online assignments will be available no later than 2pm on Fridays and remain open until 6pm Tuesdays. Late submissions will not be allowed.

You will need to *Register as a New Student* using the Course ID: 53664 at <https://www.myopenmath.com/index.php>. Leave the Enrollment Key blank. **Important: You must use the exact first and last name listed on Canvas.**

### Quizzes

We will have short quizzes approximately each week. These quizzes are designed to make sure you are keeping up with the pace of the class and not falling behind. The quizzes will be on material covered in class the previous week, including any readings or homework assigned that week. Your lowest 2 quiz scores will be dropped.

### Exams

We will have 2 midterms exams. The **tentative** dates for the exams are:

Exam I: Thursday, Oct. 3 (Ch1, Ch8, Ch2)

Exam II: Thursday, Nov. 7 (Ch3, Ch4, Ch5)

Makeup exams will be given only under extenuating circumstances, and at my discretion. You must contact me **prior** to the exam day to request a makeup exam. The sooner you contact me, the more likely I will allow a makeup.

### Final

The final exam is scheduled for Tuesday, Dec. 17 from 5:30pm-7:30pm. **There are no makeups for the final exam.**

### Evaluation & Grading Policy for Lab (15S)

The lab portion of this class will be graded based solely on participation. For each lab, you will receive a grade of Complete or Incomplete. If you leave early, you will receive an Incomplete for the day. To receive a grade of "Pass" in Math 15S you must:

1. Participate in individual and group lab activities and assignments
2. Complete at least 70% of the in-class activities with a grade of Complete

There are no makeups for labs.

### Instructor-Initiated Drops

You may be dropped from the course if you miss more than two weeks (4 classes) without approval before the Nov 1 drop deadline. Since the courses are linked, missing two weeks of **either** the support course **or** the lecture will result in you being dropped from **both** courses. You will not be dropped without the instructor reaching out to you first.

Additionally, missing 2 or more classes in the first two weeks may result in a drop. Again, the instructor will reach out to you before you are dropped.

Any student that misses both the first and second days of class without approval will be dropped **without notice**, and a student from the waitlist will be added in your place.

IMPORTANT: If it is your intention to drop the course, you are responsible to ensure the proper paperwork has been filed. Do not assume the teacher will drop you automatically.

### Communication Guidelines

I will communicate with you via Canvas and your CR email. Please get in the habit in checking both daily. You can reach me via email. I will typically respond to emails sent during the week within 24 hours, and on the weekends within 48 hours.

### Canvas Information

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

Password is your 6 digit birth date

For tech help, email [its@redwoods.edu](mailto:its@redwoods.edu) or call 707-476-4160

### Time Commitment

You should expect to spend a **minimum** of 8 hours per week outside of the classroom on this course. This is only a rough guideline, and the actual time will vary depending on many factors. If you find you are not doing as well as you would like, you may need to adjust the amount of time you are spending. The best advice I can give is to **have a plan!**

### Groupwork

Math 15S is a group-activity-based course. Most of the work we do in lab will be in groups, and you are expected to work actively with your peers.

### Recommended materials

*A Mind for Numbers: How to Excel at Math and Science (Even if you Flunked Algebra)* Barbara Oakley

ISBN-10: 9780399165245

Tentative Class Schedule (subject to change at instructor's discretion)

Week	Tue	Thurs
1	8/27 1.1, 1.2	8/29 1.2, 1.3, 1.4
2	9/3 8.1	9/5 8.1, 8.2 <b>HW 1 DUE</b>
3	9/10 8.3	9/12 2.1 <b>HW 2 DUE</b>
4	9/17 2.1	9/19 2.1 <b>HW 3 DUE</b>
5	9/24 2.1, 2.2	9/26 3.1 <b>HW 4 DUE</b>
6	10/1 3.2, Review	10/3 <b>Exam I (Ch1, Ch8, Ch2)</b>
7	10/8 3.2, 3.4, 3.5	10/10 4.1 <b>HW 5 DUE</b>
8	10/15 Uniform, 4.3	10/17 5.1 <b>HW 6 DUE</b>
9	10/22 5.1, 5.2	10/24 5.3 <b>HW 7 DUE</b>
10	10/29 5.3	10/31 6.1, 6.2 <b>HW 8 DUE</b>
11	11/5 6.2, Review	11/7 <b>Exam II (Ch3, Ch4, Ch5)</b>
12	11/12 6.3	11/14 6.4 <b>HW 9 DUE</b>
13	11/19 7.1	11/21 7.2 <b>HW 10 DUE</b>
Thanksgiving Break		
14	12/3 7.3	12/5 7.4 <b>HW 11 DUE</b>
15	12/10 7.5	12/12 Review <b>HW 12 DUE</b>
16	12/17 <b>Final 5:30-7:30 (Cumulative)</b>	