Syllabus for Math 5 Contemporary Mathematics – Eureka Campus		
Semester & Year	Spring 2018	
Course ID and Section #	Math 5 E3496	
Instructor's Name	Mike Haley	
Day/Time	Tuesday & Thursday 11:40-1:05	
Location	SC 202	
Number of Credits/Units	3	
Contact Information	*Office location*	CA 130
	Office hours	Monday 10:50-11:30, Tuesday 10:30-11:30, Wednesday 10:30-11:30 Thursday 10:30-11:30
	Phone number	476-4352
	Email address	mike-haley@redwoods.edu
Textbook Information	*Title & Edition*	Using and Understanding Mathematics (in library) & Math in Society (available as pdf or purchase hard copy)
	Author	Bennett & Briggs Lippman
	ISBN	978-0-321-45820-9 978-1-479-27653-0

Course Description

An approved CR and CSU General Education math course for liberal arts students that provides social and historical context from the arts and sciences. Topics are chosen by the instructor and can include geometry, fractals, counting and probability, linear and exponential models, finance, statistics, voting methods and other contemporary topics of interest.

Student Learning Outcomes

1. Identifying the contributions of mathematicians throughout history and describe how those contributions affect mathematical thinking.
2. Evaluate the validity of a math based argument.
3. Relate mathematics to society by modeling real-world problems in fields such as social science, business, finance, art and science.

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: 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 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.

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.

Syllabus for Math 5 Contemporary Mathematics – Eureka Campus

Welcome to Contemporary Mathematics!

Course Materials

- Textbooks. There are two textbooks that we will utilize this semester. Math in Society is a pdf that is viewable at http://www.opentextbookstore.com/mathinsociety/2.4/MathinSociety.pdf The second text Using and Understanding Mathematics is available in the library for checkout for the entire semester.
- Graphing Calculator. You may rent a TI-84 from the LRC.
- Access to a modern computer from which you can interact with Canvas, Mathematica, and other resources. The college uses your "mycr.redwoods.edu" account to interact with you. Assignments will be posted on Canvas, and some assignments will require that you post to the Canvas site.

Grading System

There are five parts to the grade this semester Homework, Assignments, Major Activities (Poster, Essay, Project), Exams, and Participation. In order to earn an A, B, or C both exams and each of the three Major Activities must be completed. The following descriptions descibe how grades will be earned:

To receive a A- in this course requires the following

- 95% of Homework is completed satisfactorily,
- 95% of Assignment is completed satisfactorily,
- The Major Activities are each well crafted and fully address the topic,
- Exam average is 90%,
- Participation is excellent.

To receive a B- in this course requires the following

- 85% of Homework is completed satisfactorily,
  85% of Assignment is completed satisfactorily,
- The Major Activities are each well crafted but one or two do not fully address the topic,
- Exam average is 80%,
- Participation is excellent.

To receive a C in this course requires the following

- 75% of Homework is completed satisfactorily,
  75% of Assignment is completed satisfactorily,
- The three Major Activities are each adequately crafted or does not adequately address the topic,
- Exam average is 70%,
- Participation is excellent.

To receive a D in this course requires the following

- 70% of Homework is completed satisfactorily,
  70% of Assignment is completed satisfactorily,
- The Major Activities are each adequately crafted but do not address the topic appropriately,
- Exam average is 60%,
- Participation is not excellent.
-

Expectations

I expect that all students that remain enrolled in this class agree to actively participate in discussions and activities, and directly engage the material and other people in the course with a positive attitude.

I expect that everyone is treated with respect in our class. Please go out of your way to be considerate of others since this will enhance the quality of the learning environment in our classroom. I expect that you use cell phones and computers appropriately and in a manner that does not disturb any fellow students or the instructor; this

implies that at the very least there should not be any sound coming from your cell phone and you only utilize applications that have course content related material.

Additionally, you should be on time to class and avoid leaving early in order to minimize disruption. If you are asked to leave the class, then be sure to visit me in the office and be prepared to write a paper before returning to class. The Student Code of Conduct addresses many issues that arise on a college campus and you should be aware of the agreement that you have made as an enrolled student.

Homework

Homework is a regular and consequential aspect of math courses. Typically one or two assignments will be given each week, and will be checked for completion. If the assignment is complete, then full credit is earned, if the assignment is not complete then no credit is earned. There is no partial credit for homework assignments that are not fully completed. Keep returned homework for the remainder of the semester.

Attendance

To succeed in a mathematics class you need to attend every class meeting. The CR Catalog defines the equivalent of a week's absence as excessive and the Math Department has determined that missing the equivalent of two weeks of class is cause for being dropped from the class. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. Plan on being in class for the complete duration of the session. Any combination of two occurrences of tardiness or leaving before the end of the course will be considered an absence.

There will be some class assignments that will only be available for students that attended the class period.

Poster

The library has a collection of books that are on various topics regarding mathematics. You will be required to find a book of interest (there are more options than what is available in the library), read it, and develop both a poster, which presents some of the mathematical ideas from the book, and a written response. A short presentation of the poster will be given in class. The poster will be due in class on **Thursday, March 1**.

Essay

An essay of approximately five pages will required for this course. You may write about any of the following:

- The use of math in society (not what we have covered in class),
- A topic of mathematics or the history of mathematics,
- A biographic essay on a mathematician.

It is possible to develop an edited video or edited podcast for this assignment. It is possible to create a piece of art that explores themes in mathematics as well. I am open to discussing other ideas that you may have for this assignment. This assignment is due **Thursday, March 29.**

Project

A final project will be designed by each student, for the purpose of relating mathematics to society by modeling real-world problems, in any field of your choice. One goal of this project is to simulate a process in order to make recommendations regarding decision-making. The project is due **Thursday, April 19**.

Exams

There will be two exams this semester. The **midterm exam** will be on **Thursday, March 22**, 2018. The **final exam** will be based upon the college's **Final Examination Schedule**, which looks like it will be on **Tuesday, May 8**, 2018. You must be present during this exam period. A handout will be made available before the exams

to help you prepare.

Late Work

The exam dates, and the three dates associated with the poster, essay and project are posted in the syllabus and should be followed. There is a bit of flexibility regarding Homework and Assignments, and I will be willing to receive a couple assignments late. However, do not expect that I will accept more than four late assignments. Except for Exams, all assignments are due at the beginning of the class period.

Math Lab

The mathematics department has a lab available to all students where a math instructor and tutors are available to help students understand mathematical concepts. The lab is available as both for-credit and non-credit option. This is a resource that has proved effective for students.

Mathematica

Mathematica is a powerful software package created by the engineers at the Wolfram Mathematica. This software can be installed on several platforms, including Linux, Mac OS X, and Windows XP.

Mathematica is installed on the computers in the SC 212 computer lab and on the Computers in the ASC. To obtain a free version of Mathematica for use on your personal, go to Mathematica at College of the Redwoods. Slide down to where it says Student personally owned machines. Make sure you use Student personally owned machines and not the sections for faculty or campus machine use. Once you are at the section Student personally owned machines, perform each of the following tasks:

1. In number one, part (a), click the user.wolfram.com link and fill out (completely) the form using your @mycr.redwoods.edu email address.
2. Once you have completed the first step, go to step 2 and click on the Fill out this form link to request an activation key. It usually takes less than a day or two to receive an email with an activation key and instructions for downloading and installing Mathematica.
3. If you experience any problems, contact me via a Canvas email.

Disclaimer

While every attempt will be made to keep minimal changes to this document during the semester, like most other things, it is subject to change.

Last update January 15, 2018