Syllabus for Math 5 Contemporary Math

Course Information

Semester & Year: Fall 2019
Course ID & Section #: MATH-5-E7333
Instructor's name: Erin Wall
Day/Time or *Online: MW 8:30 – 9:55am
Location or *Online: SC 204
Number of units: 3

Instructor Contact Information

Office location or *Online: SC 216G
Office hours: Wednesdays 12:00 – 1:00pm, Fridays 9:00 – 10:00am, and others by appointment
Phone number: 707-476-4351
Email address: erin-wall@redwoods.edu

Required Materials

Textbook Title: Math in Society
Edition: 2.5 released December 2017
Author: David Lippman
ISBN: Creative Commons – Available for free online
Other requirements: 8.5" x 11" paper, paper, erasers, scientific calculator (or Desmos Scientific App), access to computer (offered on campus)

Catalog Description

An introduction to mathematics for students not pursuing science, business, and math majors. Surveys selected topics with a focus on history, utility, and artistry to promote appreciation and critical understanding of the foundational importance of mathematics to contemporary society.

Course Student Learning Outcomes *(from course outline of record)*

1. Demonstrate critical thinking skills through analyzing mathematical ideas in the context of contemporary society.
2. Use mathematical skills and techniques when arguing a position on a contemporary issue.

Evaluation & Grading Policy

Course Grading Scale

Class Activities	25%
Homework (Online and Written)	35%
Unit Projects	40%

Class Activities

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 grade will be based upon:

- Warm Ups/Practices (I will collect many but not all of these)
- Discussions and group work
- Larger Class Activities

In general these are worth 5 points each. Larger class activities may be worth 10 points. There is no way to do these ahead of time or make these activities up. You can accumulate points to offset these by sharing your work on the board when I seek volunteers in class.

Homework

There will be written and online homework (using MyOpenMath linked through Canvas) for this class. It 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. Homework is where you get to practice the mathematical concepts, reflect upon the impact of the mathematics we are studying on contemporary society, and reflect upon your own learning. All homework whether completed online or written on paper needs to be done neatly. Short answer/essay problems need to be answered in complete sentences.

There are two types of homework assignments:

1. Preparation assignments: these are reading or review assignments that prepare you for discussions and mathematical concepts we will be discussing or learning about in class. These will generally be worth 5 points each. I will be checking these at the start of class and they cannot be made up for any reason.
2. Practice/Reflection assignments: these are assignments where you practice and reflect on the mathematical concepts and discussions we have had in class. These will generally be worth 10 points each. I will accept these up to one-week late however they will be worth at most 7 points each.

Unit Projects

A Unit Project will be due at the completion of each unit we cover. See Tentative Calendar for due dates. The Unit Project will evaluate your understanding and ability to apply mathematics to contemporary issues. More information on each of these will be given at the start of each unit. Unit Projects received up to a week late will be assessed a 10% penalty. Unit projects over a week late can receive a grade of no more than 70%. Non-passing projects, except the last unit project, may be resubmitted once for at most 70%. No Unit Projects will be accepted after Friday December 20th.

Unit Project Rubric

Category	4 Exemplary	3 Accomplished	2 Developing	1 Beginning
Requirements	All requirements are met and exceeded.	All requirements are met.	One requirement was not completely met.	More than one requirement was not completely met.
Content Accuracy	All facts are true and cited appropriately. Research done with an eye for reliable sources.	All facts are true, but may not always be cited appropriately. Research done with an eye for reliable sources.	One fact is not true and facts are not always cited appropriately. Some sources may be questionable in their reliability and not noted as such.	More than one fact not true and not always cited appropriately. Sources are clearly questionable in their reliability and not noted as such.
Use of Mathematics	Mathematics is used correctly, appropriately, and extensively to make ones case or construction one's piece.	Mathematics is used correctly and appropriately, to make ones case or construction one's piece.	Mathematics is used, but not always correctly or mathematics is missing once where there should be some present.	Mathematics is missing more than once or mathematics is missing more than once where there should be some present.

Critical Thinking/Analysis	Varies. Guidelines and expectations will be defined in the Unit Project Assignment when given.			
Organization	Content and/or argument are constructed thoughtfully and effectively. It is easy to follow and/or see the application of mathematics.	Some thought has gone into constructing the argument and/or piece. It is easy to follow and/or see the application of mathematics.	Content and/or argument are logically organized for the most part. One part may be difficult to follow and/or see the application of mathematics.	Content and/or argument are not logically organized and/or undeveloped. May just be a bunch of facts or math that is not clearly connected or applicable.

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%

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.

Special accommodations statement

College of the Redwoods complies with the Americans with Disabilities Act in 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 see me or contact Disability Services and Programs for Students. 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

Student feedback policy

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 and class activities will usually be graded and recorded within 48 hours of the close of the week. On time Unit Projects will usually be graded and recorded within 14 days of the due date.

Email

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

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.

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.

Attendance/Participation Policies

Students who have not actively participated in class by the end of the second week will be dropped during the 3rd week. 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 10th week of classes. Non-participation for two weeks of assignments may result in involuntary withdrawal.

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 and Advising offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students

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

Tentative Schedule Math 5 Fall 2019

Week #	Monday	Tue	Wednesday	Thu	Fri	Sat
1	Aug 26 Introduction/Begin Problem Solving Unit	Aug 27	Aug 28 Problem Solving Unit	Aug 29	Aug 30	
2	Sep 2 **Labor Day Holiday**	Sep 3	Sep 4 Problem Solving Unit	Sep 5	Sep 6 Last Day to Drop w/o "W" & rec've refund	
3	Sep 9 Problem Solving Unit	Sep 10 *PalinDate* **9.10.2019**	Sep 11 Problem Solving Unit	Sep 12	Sep 13	
4	Sep 16 Problem Solving Unit	Sep 17	Sep 18 Problem Solving Unit	Sep 19 *Talk Like a Pirate Day*	Sep 20	
5	Sep 23 Problem Solving Unit Project Due	Sep 24	Sep 25 Begin Finance Unit	Sep 26	Sep 27 **Native American Day**	
6	Sept 30 Finance Unit	Oct 1	Oct 2 Finance Unit	Oct 3	Oct 4	
7	Oct 7 Finance Unit	Oct 8	Oct 9 Finance Unit	Oct 10 *Powers of 10 Day*	Oct 11	Oct12
8	Oct 14 Finance Unit	Oct 15	Oct 16 Finance Unit	Oct 17	Oct 18 ***SCIENCE NIGHT***	
9	Oct 21 Finance Unit Project Due	Oct 22	Oct 23 Begin Voting and Apportionment Unit	Oct 24 *2-to-the-10th Day*	Oct 25	
10	Oct 28 Voting and Apportionment Unit	Oct 29	Oct 30 Voting and Apportionment Unit	Oct 31 Last Day to Petition to Graduate or Apply for Certif	Nov 1 Last Day for Withdrawal	
11	Nov 4 Voting and Apportionment Unit	Nov 5	Nov 6 Voting and Apportionment Unit	Nov 7	Nov 8	
12	Nov 11 **Veterans Day Holiday**	Nov 12	Nov 13 Voting and Apportionment Unit	Nov 14	Nov 15	
13	Nov 18 Voting and Apportionment Unit	Nov 19	Nov 20 Voting and Apportionment Unit Project Due	Nov 21	Nov 22	Nov 23 Fibonacci Day
Fall Break	Nov 25	Nov 26	Nov 27	Nov 28 **Thanksgiving**	Nov 29 (CR Holiday)	Nov 30 (No
14	Dec 2 Begin Art & Fractals	Dec 3	Dec 4 Art & Fractals	Dec 5	Dec 6	Dec 7 ***Putnam Math***
15	Dec 9 Art & Fractals	Dec 10	Dec 11 Art & Fractals	Dec 12	Dec 13	Dec 14
FINALS WEEK	Dec 16 Art & Fractal Project Due 8:30 – 10:30 am	Dec 17	Dec 18	Dec 19	Dec 20	