Syllabus for Math 5 - Contemporary Mathematics		
Semester & Year	Fall 2018	
Course ID and Section #	Math 5 – E5185	
Instructor's Name	Adam Falk	
Day/Time	Tues/Thurs 8:30 AM - 9:55 AM	
Location	SC 202	
Number of Credits/Units	3 units	
Contact Information	*Email address*	adam.falk@humboldt.edu
	Office hours	Tue/Thu 10am-11am in SC 214
Textbook Information	*Title & Edition*	Math in Society Available FREE online: http://www.opentextbookstore.com/mathinsociety/ Available in print: Amazon, or CreateSpace
	Author	David Lippman
	ISBN	978-1479276530 (13); 1479276537 (10)

Course Description

As stated in CR's catalog: An approved CR and CSU General Education course designed primarily for non-science majors. This course is a study of selected topics from contemporary mathematics. Typical topics, which are chosen by the instructor, will be from areas including: inductive and deductive reasoning, mathematical modeling and analysis of linear and exponential functions, geometric symmetries, geometry of fractals, sequences and series, dynamics of population growth, statistics, mathematics of finance and management science, mathematics of methods of voting, fair division, and problem-solving techniques.

Student Learning Outcomes

1. Accurately communicate mathematical ideas using correct mathematical notation, graphs, and vocabulary.
2. Demonstrate appropriate use of the graphing calculator or other technology to explore mathematical concepts and verify their quantitative conclusions.
3. Solve problems and applications demonstrating the skills required for college-level mathematics.
4. Examine the quantitative arguments on both sides of issues currently in the news.
5. Explain the concepts of mathematics of social choice, statistics, growth, symmetry, finance, and/or management science and use the concepts to solve problems in these fields.

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 707-465-2352.

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 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. 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; 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 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.

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.

Classroom Environment and Attendance

It is essential to our class that both the students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful to one another. You should not hesitate to ask questions nor feel embarrassed to ask for help.

Class time is valuable, and while sometimes we will work on in-class activities, I ask that you DO NOT complete homework/work from other course during class. When working on other stuff during lecture, students miss the current material, and often fall behind, so it will not be tolerated.

You are expected to arrive on time and to leave upon dismissal. Arriving late or leaving before class is dismissed is disruptive and disrespectful to your fellow students as well as your teacher. Please be prepared with your headphones put away and cell phones SILENCED. If you must miss a day, please check with a classmate to see what you missed and hand in assignments early.

Grades

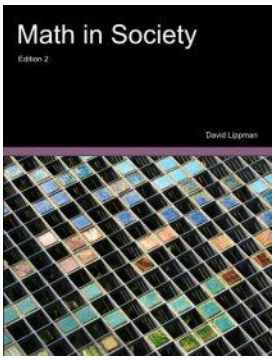
Homework.....……...15%
Activities/Projects..…….....20%
Quizzes/Exams.…..….....35%
Final Research Presentation…....30%

93-100%.....A
90-92%.....A-
88-89%.....B+
83-87%.....B
80-82%.....B-
78-79%.....C+
70-77%.....C
0-69%.....D-F

*** Final grade is at the professional discretion of the instructor ***

Required Materials

- Textbook**:** *Math in Society* by David Lippman



The textbook is provided **free of charge online** at:
http://www.opentextbookstore.com/mathinsociety/
(SAVE a copy of the book onto a computer/device for offline access)

Or purchase an **OPTIONAL printed textbook** from Amazon, or CreateSpace for ~$15 +tax & shipping.

- Graphing Calculator
  - A graphing calculator is **required** (TI-83+ or TI-84 recommended) and available to rent for $15 per semester.
  - You may also use a calculator app for your smartphone/tablet such as WabbitEmu (Android) or GraphNCalc83 (iPhone). **Your phone may be used in class only as a calculator**. Please be sure your phone/tablet is disconnected from any wireless networks (i.e. on airplane mode) when you are in class.
- Pencils and erasers
- Binder and notebook paper to complete homework
- Ruler or straightedge

- Graph paper.
- Access to a computer with internet capabilities is also a requirement for Homework and Canvas.

Homework

Most homework will be completed online through Canvas. I will accept only **three late homework assignments** during the semester, and I will **drop your lowest two homework scores** when calculating your course grade. It is your responsibility to ensure that you complete your homework on time. If you have any issues with computer access, please meet with me very early on in the semester so that we can find a solution.

I recommend being organized and keeping all "scratch work," in a binder. In fact, it is recommended that you write up homework on paper (even though it is online) for several reasons: you can look back and use it to study, if your computer loses internet connection then your work will not be lost, and it students digest the material when work is written down. You might even buy a copmosition notebook, and complete all homework scratch work in there. For exams and quizzes, you are expected to use proper mathematical notation as learned in class.

Homework assignments may take a great deal of time so I recommend you:

- read the section of the textbook that is going to be covered BEFORE the class lecture.
- start working on HW as soon after class as possible this way you will have plenty of time to ask for help (start assignments as soon as we start the lecture for that section).
- set aside at least 1-2 hours for each hour of class time, to do assignments.

Set yourself up to succeed: do a little bit at a time. Remember, homework is a worthwhile investment since it is where a great deal of your learning for this course will take place.

Quizzes and Exams

In this course there will be both quizzes and exams. I will announce the dates of in-class quizzes at least one class period in advance and exams at least one week in advance. All exams need to be taken in class ON THE DAY OF THE EXAM unless you have made prior arrangements with me. There are **NO EXAM MAKE-UPS**. Bring a pencil, your calculator, and be ready to show me your math skills!

Canvas

All homework assignments and grades will be posted on our course Canvas page. It is your responsibility to *check Canvas every day* for assignments, announcements, and other important course information.

Final Research Presentation

A final research presentation is required to pass the course. More detailed directions and a rubric will be given later in the semester. ****Final Exam Week ~ Dec 10th-14th****

How to Succeed in this Course

- Read your text. It is best if you read the section of the text ahead of the scheduled lecture date on that topic.
- Be in class on time every day.
- Do your homework! Plan to spend at least 1-2 hours outside of class for every hour inside of class. That is the minimum investment of time for success in this course.
- Work with classmates. Mathematics is a social subject (but not a spectator sport). Working with fellow students helps in your own understanding of the ideas of the course.

Tutoring

- If you think you may need extra support, you should enroll in **MATH 5L** for 1/2 unit or 1 unit of credit in order to obtain supplementary help. Also available is the FREE Math 252 no credit course. This is the cheapest tutoring option available on campus and I can't stress enough how valuable it is.
- OPTIMATH practice assignments give immediate feedback and written out solutions. https://www.redwoods.edu/math/Resources-OPTIMATH

Faculty Withdrawal of Students

Math Department's Policy: A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner. This "faculty withdrawal" can occur between Week 4 and Week 10 of the semester.

Final Words

A few words about my expectations for you and myself in this course:
My responsibilities include coming to class prepared to teach you mathematics, giving clear lectures, assigning carefully chosen homework problems that are relevant to our course and carefully preparing exam questions that accurately measure your progress in the course. Additionally, I am responsible to be available to you outside of class for consultation in office hours.

Likewise, I believe that you are ultimately responsible for your college education and I expect you to come to class motivated to learn the material. This involves keeping up with completing projects, activities, and homework assignments, seeking additional help either from me or from the many resources available to you here on campus, before it is too late.

********** Syllabus Subject to Change**********