Syllabus for: MATH 5 Contemporary Mathematics	
Semester & Year:	Fall 2012
Course ID and Section Number:	MATH 5 – E1894
Number of Credits/Units:	3
Day/Time: **Location:**	TTH 11:40 – 1:05 PS 201
Instructor's Name:	Rio Kuteira
Contact Information:	Office location and hours: PS 200 by appointment Phone: 707-599-2872 Email: rio-kuteira@redwoods.edu

Course Description (catalog description as described in course outline):
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.
Special notes or advisories: Graphing calculator required, TI-83 or TI-84 recommended.

Student Learning Outcomes (as described in course outline) :
1. Accurately communicate mathematical ideas using correct mathematical notation, graphs, and vocabulary.
2. Use of the graphing calculator or other technology to explore mathematical concepts and also to 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.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.
The student code of conduct is available on the College of the Redwoods website at:
http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.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 homepage.

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.

Math 5-E1894 Contemporary Mathematics **11:40-1:05 TTH**

Instructor: Rio Kuteira **Phone:** 599-2872

E-Mail: rio-kuteira@redwoods.edu **Office Hours:** PS 200 by appointment

Required Materials:

- Textbook: "Using and Understanding Mathematics: A Qualitative Reasoning Approach"
  - Available from the Library
- A calculator

Assignments: Assignments will be assigned throughout the course in class and posted on MyCR. Assignments will include problems from the book as well as supplemental handouts and in class activities. Late assignments will drop 20% each class period.

In Class Activities: Many assignments will be started or completed in class. If you are not present, you may not be able to participate or have to complete the activity on your own.

Quizzes: There will be a quiz after each section covered; the homework and activities will be representative of the material covered on the quizzes.

Grading system:

Assignments/Activities	50%
Quizzes	30%
Final Poster Project	20%

Grades will be posted on MyCR in a timely manner. If you have other grading questions, please talk to me!

Math 52L – Math Lab: 1 or 0.5 unit course that offers math help to student sin the ASC. Since some topics are not commonly taught in other math courses, you should consult the instructor.