Syllabus for: Math 5 – Contemporary Mathematics

Semester & Year:	Spring 2014
Course ID and Section Number:	Math 5 E5179
Number of Credits/Units:	3
Day/Time:	TTh 11:40 – 1:05
Location:	SC 204
Instructor's Name:	Chris Panza
Contact Information:	Office location and hours: SC 216, TTh 1:30 – 2:30 Phone: 476-4100 x4856 Email: chris-panza@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.

Student Learning Outcomes (as described in course outline) :

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.

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 – Contemporary Mathematics

E5179 • Spring 2014
SC 204 • TTh • 11:40am – 1:05pm

Instructor: Chris Panza
Email: chris.panza.cr@gmail.com
Website: http://msemac.redwoods.edu/∼cpanza/
Office: SC 216G or 212
Office Hours: TTh 1:30 – 2:30pm
Math Lab: T 4:00 – 5:00pm, W 12:30pm – 2:30pm

Cell Phones

Cell phones are a nuisance and distraction for you, me, and your fellow students. Keep them on silent or off and put away (not on your desk) for the duration of class. The use of cell phones during class is prohibited.

Prerequisite

Math 120 with a grade of C or better or appropriate score on the assessment test.

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Course Objectives

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Textbook

Using and Understanding Mathematics, 4th edition, by Bennett and Briggs. Textbooks are available to be checked out from the library for the semester.

Calculators

You will need a graphing calculator; I recommend a TI-83 or TI-84. Calculators are available for rent from the math department for $20/semester; pay at the cashiers office and pick it up from Betsy Buchanan in the ASC. Also, check local pawn shops, Craigslist, Ebay, etc. Cell phones will not be allowed to be used as a calculator.

Grading

Homework	20%	90 – 100%	A
Quizzes	35%	80 – 89%	B
Exams	35%	70 – 79%	C
Poster	10%	60 – 69%	D
		Below 60%	F

I will assign +/− grades for the top and bottom 2% of each category. I always round UP to the nearest whole percent.

Homework
All work in homework is a worthwhile investment. You are encouraged to work together on your homework assignments. Each homework assignment will be worth 10 points. Homework will not be accepted late except for a valid reason (e.g. sick, family emergency, etc.). At the end of the semester the three lowest homework scores will be dropped from your grade.

Use an $8\frac{1}{2} \times 11$ sheet of paper, staple each individual assignment separately in the upper left corner and include your full name, class name, homework number, and instructor's name in the upper right hand corner. Use only pencil and be sure all problems are neat and readable even if you must rewrite it. Begin with the original expression/equation from the book and work in a vertical fashion with each step performed on a separate line. Include space between problems and no more than two columns of work on a sheet of paper. Always show equality where appropriate and clearly indicate your answers. Be sure to label answers such that there is sufficient context to explain the answer; a number by itself means nothing. All graphs should be on graph paper, correctly and appropriately labeled. When in doubt, copy the format I use in class or the format presented in the textbook. I will post solutions to the assigned problems online.

Quizzes
There will be a short quiz at the end of each section. Each quiz will be worth 10 points. Be sure to show up on time with a pencil. At the end of the semester the lowest quiz score will be dropped from your grade. I will post solutions to the quizzes online.

Exams
There will be three exams during the course of the semester, each worth 100 points. All exams are closed book and individual. Be sure to bring a sharp pencil and your calculator. Always clearly rewrite all applicable steps in the space provided on the exam; never refer to scratch paper or backs of pages. There are NO make-ups. In case of a severe conflict, arrangements can be made to take the exam early.

Important Note: Anything not done in pencil will not be graded!

Poster Project
You will be choosing a small mathematical project, creating a poster on it, and giving the class a short presentation on the topic. The poster projects will be presented and critiqued by your fellow students during our scheduled time of Finals Week: Tuesday, May 13, 10:45am – 12:45pm. More information on that later.

Calendar
The course calendar can be viewed online and will be updated regularly. It contains a schedule of what we will cover and all due dates for homework, quizzes, and exams. Please refer to it often.

Attendance
Attendance is very important to your overall understanding of the concepts presented in this course. You should attend all class sessions, arriving on time and leaving after the class has ended. I encourage participation and welcome all questions. If you must miss class, check with the calendar and fellow students to see what you missed.

Withdrawal After Census (WAC) 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.

Cheating
Cheating is a very serious offense and is dealt with in a serious way. Don't do it.

Assistance

If you have a documented disability or believe you could benefit from any of the services offered by Disabled Student Programs & Services (DSP&S), please contact the DSP&S office (Building T20, behind Bookstore) at 476-4280. If you are allowed an special accommodations, please let me know and give me the appropriate paperwork during the first couple weeks of class.

Other

Please turn off and remove all portable audio systems before entering class. Please be respectful your fellow classmates; refrain from using foul, crude, or disrespectful language in the classroom. This syllabus can be changed by me at any time. Canceled Class Hotline (Math & Science only): (707) 476-4210 #5