

Math 1: Mathematical Reasoning

Fall 2010

Prof. Barbara Morris

Webpage: <http://www.csus.edu/indiv/m/morrisb/>

Section 14 TR 12 – 1:15 pm AMD 250

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Section 15 TR 12 – 1:15 pm ARC 1010

Catalog Description:

This course is recommended for students whose majors do not include a specific mathematics requirement. The course objectives are to show some of the essence and quality of mathematics, and to enhance precision in the evaluation and expression of mathematical ideas, thereby developing a student's quantitative reasoning skills. This course is designed to give students an understanding of some of the vocabulary, methods, and reasoning of mathematics with a focus on ideas.

Course:

The primary purpose of the course is to give students an understanding of some of the vocabulary, methods, and reasoning of mathematics. The focus is on the ideas of mathematics, and on giving students an understanding of why results hold - and not on learning specific results, techniques, or skills. Students will be given periodic writing assignments that encourage them to think through concepts of the course. This is an Area B4 GE course that has a writing component to the course; some assignments will involve writing and understanding complex technical prose, interpretation of theoretical ideas, and use of mathematical ideas to accomplish a variety of tasks.

Prerequisites:

Math 9 or three years of high school mathematics that includes two years of algebra and one year of geometry and completion of the ELM requirement. (or completion of LS 7B, LS 10A, or LS 10X)

Text and Materials:

The Nature of Mathematics, 11th edition, by Karl Smith
Materials as needed for chosen chapters

WebAssign –online homework program

See my webpage for textbook/WebAssign pricing options

Homework:

Homework will be assigned on a regular basis and is online through WebAssign. There may be homework assignments from the book which will be turned in on paper. The lowest HW score will be dropped at the end of the semester. HW will be out of 200 points (by ratio) toward your final grade.

Examinations:

There will be three on campus exams and a final in this course. They are tentatively scheduled for:

**Thursday, Sept 23,
Thursday October 21, and
Tuesday, Nov 23.**

Each exam is worth 100 points.

The **Final** will be on **Tuesday, Dec 14th, 12:45 – 2:45 pm**

The final is cumulative and is worth 200 points.

Grading: Grades will be assigned by the following scale and percentages:

Homework (by ratio)	200	90% - 100%	A
Exams	300	80% - 89%	B
<u>Final</u>	<u>200</u>	70% – 79%	C
Total	700	60% - 69%	D
		below 60%	F

Drops: Refer to the Department Drop Policy for the appropriate drop dates.

Attendance:

Consistent attendance is essential for success in this class. You are responsible for material presented in class and all announcements made in class. If you miss class, it is your responsibility to get assignments, notes, and announcements. You can view the classes through SacCT and cable TV (see below) and you can get the lecture notes templates from WebAssign and my web page.

Sacramento Comcast Cable	Channel 17
Surewest Cable	Channel 17
Comcast Roseville Cable	Channel 15
Wave Broadcast Auburn	Channel 21
Volcano Vision (Amador/Calaveras counties)	Channel 60

WebAssign Information: Go to www.webassign.com to log in.

Your Username is your last name (without hyphens, etc) and the last 4 digits of your SacID number. (For example, morris1234) Your password is: math1

You will have 14 days to get your WebAssign code. During that time you can use the program. After that time, you must enter a WebAssign code in order to access your homework.

Pricing options are available on my webpage: www.csus.edu/indiv/m/morrisb