Math 318: Mathematics for Secondary Teachers, Spring 2015

Instructor: Brian Sittinger
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Office Hours: TuTh 12:00 PM - 1:00 PM, and by appointment
Class Times: TuTh 9:00 AM-10:15 AM
Class Location: Ojai Hall 1964

Prerequisite: Math 150 or equivalent.


Course Website: http://faculty.csuci.edu/brian.sittinger/math318page.html
This may be also directly accessed through Blackboard (CI Learn).

Course Description from the Course Catalog: Current issues of modern secondary school math curriculum including abstract thinking, technology use and problem solving approaches to teaching. Content is geometry based, but selected topics from algebra, precalculus, and calculus will be discussed. Designed for students intending to teach.

Learning Outcomes: Through this course, students will be able to

- Identify important issues of modern secondary mathematics curriculum.
- Recognize effective problem solving approaches to teaching.
- Apply effective teaching techniques to the instruction of geometry and applications.
- Discuss pedagogy and teaching methods for various grade levels.
- Use modern technology and mathematical software in the classroom.
- Express ideas related to teaching of mathematics in oral and written forms.
- Express ideas of Calculus in oral and written form.

Grading: Grades will be determined as follows:

- Homework/Projects (40%)
- Midterm Exam (20% each)
- Final Exam (20%)
**Homework:** I will assign homework daily to be turned in on every Tuesday (unless otherwise stated) at *the beginning of lecture*. Make sure that your presentations are well-organised. If you use more than one sheet of paper, please write your name at the top of each sheet, and be sure to staple them all together. This will make my job to grade them much easier.

**Math 399:** Please sign up for Math 399 Section 11. Further instructions will be given in the lab.

**Exams:** The midterm exam will be given in class around the middle of the semester. The final exam will take place on Tuesday 12 May at 8:00 AM. These exams will be done without notes. Unless you have a genuine doctor’s note, you have to take the exams when they are given.

**Extra Help:** In addition to myself and your fellow classmates, please check out the Learning Resource Center (in the Broome Library). This center’s math tutors will be happy to help you!

**Academic Honesty:** Cheating and plagiarism will not be tolerated in this class. For information on the University’s policy, please read the University Catalog (“Policies and Regulations” section).

**Disability Statement:** Cal State Channel Islands is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The mission of Disability Accommodation Services is to assist students with disabilities to realize their academic and personal potential. Students with physical, learning, or other disabilities are encouraged to contact the Disability Accommodation Services office at (805) 437-8510 for personal assistance and accommodations.

**Disclaimer Statement:** Information contained within this syllabus, other than that mandated by the University, may be subject to change with advance notice, as deemed appropriate by the instructor.