

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA: SINGLE SUBJECT TEACHER CREDENTIAL PROGRAM

- Catalog Description of the Course.** *[Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ____ units); time distribution (Lecture ____ hours, laboratory ____ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]*

EDSS 531. Teaching Mathematics In Middle Schools (3)

Three hours of lecture/discussion a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program.

Co-Requisite: EDSS 570 (1-2 units): or EDSS 575

A study of content, methodology, materials and current research in teaching middle school mathematics.

Focuses on the state curricular mathematics frameworks appropriate for middle school classrooms.

Emphasizes reflective practice based on California Standards for the Teaching Profession and the use and alignment of curricula to the Academic Content Standards for California Public Schools. Includes an emphasis on teaching in multicultural, multilingual and inclusive classrooms.

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment
Lecture	3	1	20
Seminar			
Laboratory			
Activity			

- Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) *[Use as much space as necessary]*

This is a required course for students seeking a Single Subject Credential in Mathematics.

Through this course, students will be able to

- Identify important issues of modern middle school mathematics curriculum
- Align lessons and lesson plans to the California State Academic Content Standards
- Apply effective teaching techniques to the instruction of pre-algebra, algebra and pre-calculus
- Recognize and utilize effective problem solving approaches to teaching algebra
- Discuss pedagogy and demonstrate teaching methods for various student levels and a diverse student population in middle schools
- Use modern technology and mathematics software in the classroom
- Develop a variety of means of evaluating student needs and student learning.

- Is this a General Education Course** YES NO
If Yes, indicate GE category:

A (English Language, Communication, Critical Thinking)	
B (Mathematics & Sciences)	
C (Fine Arts, Literature, Languages & Cultures)	
D (Social Perspectives)	
E (Human Psychological and Physiological Perspectives)	

- Course Content in Outline Form.** *[Be as brief as possible, but use as much space as necessary]*