


## SENATE POLICY 8-03

Motion: to approve the Single Subject Credential

Passed at the January 28, 2003 meeting of the Academic Senate

### APPROVALS:

  
Louise Lutze-Mann  
Chair, Academic Senate

Date: 3.24.03

  
Richard Rush  
President, CSU Channel Islands

Date: 4/7/03

# CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

## NEW CREDENTIAL PROGRAM PROPOSAL

### PROGRAM AREA: EDUCATION

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1. **Title:** Single Subject Teaching Credential Program

2. **Objectives:**

The Objective of the Single Subject Teaching Credential Program at CSU Channel Islands is to:

Prepare effective and successful teachers for California public schools who:

- are reflective and deliberative practitioners;
- have mastered the content of their discipline,
- are able to link content and pedagogy;
- can integrate research, theory, and best educational practice into their teaching;
- are able to integrate technology into their teaching;
- understand and can meet the needs of diverse learners and special needs students

3. **Program Description:**

The Single Subject Teaching Credential Program prepares teachers to work with students in subject specific content areas in departmentalized schools. Single Subject Credential Teachers most often teach in departmentalized middle schools, junior highs and in high schools.

This program specifically prepares teachers for the diversity of languages and cultures often encountered in California Public Schools. The program prepares candidates to address the needs of students who speak English as a native language and/or as a second language in the secondary school setting.

An underlying principle of the program is that all students (regardless of race, ethnicity, gender, ability or economic status) are capable learners.

Prerequisites:

**PREREQUISITE COURSES (16 Units)**

SPED 345. Individuals with Disabilities in Society (3)

ENGL 475. Language in Social Context (3)

EDUC 510. Learning Theory and Development Applied in Multicultural and Education Contexts (3)

EDUC 512. Equity, Diversity and Foundations of Schooling (3)

EDUC 520. Observing and Guiding Behavior in Multicultural/Multilingual and Inclusive Classrooms (3)

EDUC 560A. Fieldwork (1)

Required Courses:

**PROGRAM REQUIREMENTS (33 Units)**

All single subject students admitted into the Credential Program will take the following courses:

EDSS 530. General Secondary School Methods (3)

EDSS 540. Literacy in Secondary Schools (3)

EDSS 550. Access to Learning: English Language Learners (2)

EDSS 560. Access to Learning: Special Needs Learners (2)

EDUC 570. Fieldwork/Student Teaching Middle School (6)

EDUC 571. Student Teaching Seminar Middle School (1)

EDUC 580. Fieldwork/Student Teaching High School (6)

EDUC 581. Student Teaching Seminar High School (1)

EDSS Subject Matter Methods: 3 courses (9)

( ) Students seeking a single subject credential in mathematics take three of the following four courses:

EDSS 531. Teaching Algebra in Secondary Schools (3)

EDSS 541. Teaching Geometry in Secondary Schools (3)

EDSS 551. Teaching Statistics in Secondary Schools (3)

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### **EDSS 561. Teaching Calculus in Secondary Schools (3)**

Students seeking a single subject credential in science take the following courses

EDSS 532. Teaching Science in Middle Schools (3)

EDSS 542. Teaching Life/Physical/Geo- Science in Secondary Schools (3)

EDSS 552. Teaching Science as Inquiry (3)

Student seeking a single subject credential in English take the following courses

EDSS 533. Teaching Writing in Secondary Schools (3)

EDSS 543. Teaching Literature in Secondary Schools (3)

EDSS 553. Teaching Language Skills in Secondary Schools (3)

### **FULLTIME SINGLE SUBJECT MATH PROGRAM TIME LINE**

First Semester: 16 units	Second Semester: 17 units
EDSS 530 General Secondary School Methods (3)	EDSS 550. Universal Access: English Language Learners (2) AND EDSS 560. Universal Access: Special Needs Learners (2)
EDSS 540. Literacy in Secondary Schools (3)	EDSS 541. Teaching Geometry in Secondary Schools (3)
EDSS 531 Teaching Algebra in Secondary Schools (3)	EDSS 551. Teaching Statistics in Secondary Schools (3) OR EDSS 561. Teaching Calculus in Secondary Schools (3)
EDUC 570 Student Teaching Middle School (6)	EDUC 580 Student Teaching High School (6)
EDUC 571 Student Teaching Seminar (1)	EDUC 581 Student Teaching Seminar (1)

### **FULLTIME SINGLE SUBJECT SCIENCE PROGRAM TIME LINE**

First Semester: 16 units	Second Semester: 17 units
EDSS 530 General Secondary School Methods (3)	EDSS 550. Universal Access: English Language Learners (2) AND EDSS 560. Universal Access: Special Needs Learners (2)
EDSS 540. Literacy in Secondary Schools (3)	EDSS 542. Teaching Life/Physical/Geo- Science in Secondary Schools (3)
EDSS 532. Teaching Science in Middle Schools (3)	EDSS 552. Teaching Science as Inquiry (3)
EDUC 570 Student Teaching Middle School (6)	EDUC 580 Student Teaching High School (6)
EDUC 571 Student Teaching Seminar (1)	EDUC 581 Student Teaching Seminar (1)

### **FULLTIME SINGLE SUBJECT ENGLISH PROGRAM TIME LINE**

First Semester: 16 units	Second Semester: 17 units
EDSS 530 General Secondary School Methods (3)	EDSS 550. Universal Access: English Language Learners (2) AND EDSS 560. Universal Access: Special Needs Learners (2)

EDSS 540. Literacy in Secondary Schools (3)	EDSS 543. Teaching Literature in Secondary Schools (3)
EDSS 533. Teaching Writing in Secondary Schools (3)	EDSS 553. Teaching Language Skills in Secondary Schools (3)
EDUC 570 Student Teaching Middle School (6)	EDUC 580 Student Teaching High School (6)
EDUC 571 Student Teaching Seminar (1)	EDUC 581 Student Teaching Seminar (1)

## **COURSE DESCRIPTIONS FOR CATALOG (NEW COURSES ONLY)**

### **Education Courses**

#### **EDUC 570. Fieldwork/Student Teaching—Middle School (6)**

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

Observation and teaching in selected secondary schools under the supervision of classroom teacher and University supervisor. Concurrent enrollment in a student teaching seminar.

#### **EDUC 571. Student Teaching Seminar—Middle School (1)**

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

Weekly meetings to discuss observations and teaching practice during student teaching. Discussion and seminar with University supervisor to discuss practical issues relevant to the student teaching experience.

#### **EDUC 580. Fieldwork/Student Teaching—High School (6)**

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

Observation and teaching in selected secondary schools under the supervision of classroom teacher and University supervisor. Concurrent enrollment in a student teaching seminar.

#### **EDUC 581. Student Teaching Seminar—High School (1)**

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

Weekly meetings to discuss observations and teaching practice during student teaching. Discussion and seminar with University supervisor to discuss practical issues relevant to the student teaching experience.

#### **EDSS 530. General Secondary School Methods (3)**

Three hours of class time per week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for six units of EDUC 570 Field Experience/Student Teaching concurrent with this course.

Through this course students learn and apply teaching strategies, assessment practices, lesson planning, and universal instructional design as appropriate for secondary classrooms. Includes an emphasis on teaching in multicultural, multilingual and inclusive classrooms. This course will give special emphasis to middle school teaching and the middle school concept. Students will be placed in middle schools for the field placement/student teaching.

### **Education-Single Subject Courses**

#### **EDSS 531. Teaching Algebra in Secondary Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 570: Field Experience/Student Teaching concurrent with this course.

A study of content, methodology, materials and current research in teaching algebra. Focuses on the state curricular framework of algebra as appropriate for secondary classrooms. Review and pedagogy of algebraic structures, equation-solving and graphing. Focus on reconnecting symbols with concepts, suitable examples, and understanding of underlying ideas, algebraic symbols, patterns and commonalities. Technology use in algebra. 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.

#### **EDSS 532. Teaching Science in Middle Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 570: Field Experience/Student Teaching concurrent with this course.

A study of content, methodology, materials and current research in middle school science teaching. Focuses on developing science process skills in middle school students. 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.

### **EDSS 533. Teaching Writing in Secondary Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 570: Field Experience/Student Teaching concurrent with this course.

A study of content and methods in teaching critical expository writing, including methods of research and documentation. 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.

### **EDSS 540. Literacy in Secondary Schools (3)**

Three hours of class time per week.

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

Through this course secondary students will learn methods and techniques for reading, writing, language and literacy across the secondary curriculum including students with varied language backgrounds. Emphasis on how language and literacy issues and processes are crucial to successful student learning and successful teaching across contexts and content areas. This course addresses the special needs of proficient readers and adolescents who struggle as readers. Includes approaches and methods that are consistent with a comprehensive, systematic program, and are aligned with the state adopted academic content standards for students in English language arts and the reading/language arts framework. Includes an emphasis on teaching in multicultural, multilingual and inclusive classrooms.

### **EDSS 541. Teaching Geometry in Secondary Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 580: Field Experience/Student teaching concurrent with this course.

A study of content, methodology, materials and current research in teaching geometry. Focuses on the curricular framework of geometry as appropriate for secondary classrooms. Instead of concentrating on abstraction, students will create a vast reservoir of activities and hands-on devices. Examples from Euclidean and non-Euclidean geometry. Focus on teaching transformations and applications. Effective methods of using modern software in geometry. 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.

### **EDSS 542. Teaching Life/Physical/Geo- Science in Secondary Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 580: Field Experience/Student teaching concurrent with this course.

A study of the content, methodology, materials and current research in teaching high school science courses. Focuses on methods, curriculum design, and technology use specific to teaching science courses in grades 9-12. 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.

### **EDSS 543. Teaching Literature in Secondary Schools (3)**

Three hours of class time a week.

Prerequisite: Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of Field Experience/Student teaching concurrent with this course.

A study of content and methods in teaching literature to secondary students. Focuses on the teaching of major literary genres. 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.

**EDSS 550. Access to Learning: English Language Learners (2)**

Two hours of class time per week.

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

Various curricula and instructional programs designed for English language learners, including placement, grouping, methods of language and content assessment, English language development and specially designed academic instruction in English. Examination and application of theoretical and methodological issues in designing instruction for ELL's in classroom settings through reflective and critical practice.

**EDSS 551. Teaching Statistics in Secondary Schools (3)**

Three hours of class time a week.

**Prerequisite:** Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 580: Field Experience/Student teaching concurrent with this course.

A study of content, methodology, materials and current research in teaching probability and statistics as appropriate for secondary classrooms. Course surveys the statistical methods used in science and everyday life and addresses the problems of pedagogy and statistical misconceptions. Methods of discrete probability theory in an experimental hands-on way. Modern educational technology and software used in statistics. 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.

**EDSS 552. Teaching Science as Inquiry (3)**

Three hours of class time a week.

**Prerequisite:** Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of Field Experience/Student teaching concurrent with this course.

The study of the processes of science as they relate to the life, geo-, and physical sciences. Practical approaches to understanding how science works through appropriate pedagogy will be modeled and integrated throughout. 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.

**EDSS 553. Teaching Language Skills in Secondary Schools (3)**

Three hours of class time a week.

**Prerequisite:** Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of Field Experience/Student teaching concurrent with this course.

A study of content and methods in teaching the essentials of English language study, including the history of the English language, key models of English grammar, and a variety of applied topics ranging from semantics and dialect study to current research in the teaching of English. 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.

**EDSS 560. Access to Learning: Special Needs Learners (2)**

Two hours of class time per week.

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

This course focuses on methods and techniques for identifying and teaching students with special needs, culturally diverse, and gifted and talented children, and the unique issues associated with integrating children with special needs in secondary settings.

**EDSS 561. Teaching Calculus in Secondary Schools (3)**

Three hours of class time a week.

**Prerequisite:** Must be officially admitted to the Single Subject Credential Program. Students must register for 1-6 units of EDUC 580: Field Experience/Student Teaching concurrent with this course.

A study of content, methodology, materials and current research in teaching calculus as appropriate for secondary classrooms. Pedagogy and techniques for teaching ideas of limit, slope, functions, derivatives, integrals and other crucial basic concepts. Visual and mental images versus 'rigorous mathematics'. Types of algebraic or arithmetic difficulties in ingesting the new ideas of calculus. Applications of calculus methods in other fields. Graphing tools and their use in classroom. 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.



**4. Program Advisor:**

Dr. Jeanne Grier

**5. Justification:**

This program will meet the needs of our community in preparing middle and high school mathematics, science, and English teachers.

**6. Other Fiscal Support Required:**

**7. Faculty Available to Teach:**

Dr. Bob Bleicher, Dr. Marilyn Buchanan, Dr. Lillian Castaneda, Dr. Joan Karp, Dr. Jeanne Grier, and new hires.

**8. Procedure:**

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Jeanne Grier  
Proposer of Certificate

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12/16/02  
Date