**SECONDARY EDUCATION**

**Graduate College of Education**
Interim Dean, Nancy Robinson

**Department of Secondary Education**
Burk Hall, Room 45
(415) 338-1201/1202
Chair: Maika Watanabe
Graduate Coordinator, Concentration in Secondary Education: Maika Watanabe
Graduate Coordinator, Concentration in Mathematics Education: Judith Kysh

**Professors**
Avani, Cooks, Kysh, Watanabe

**Associate Professors**
Fan, Horvath

**Assistant Professors**
Bloom, Fogo

**Lecturers**
Bender, Berkman, Gomez, Kell, Lee

**Masters**
- Master of Arts in Education: Concentration in Secondary Education (bulletin.sfsu.edu/colleges/education/secondary-education/ma-education-concentration-secondary-education)
- Master of Arts in Education: Concentration in Mathematics Education (bulletin.sfsu.edu/colleges/education/secondary-education/ma-education-concentration-mathematics-education)

**S ED 200 Introduction to Teaching and Education (Units: 3)**
Introduction to the field of education and to the profession of teaching.
(This course is offered as S ED 200 and EDUC 200. Students may not repeat the course under an alternate prefix.)

**Course Attributes:**
- D1: Social Sciences

**S ED 300 Education and Society (Units: 3)**
Prerequisite: Upper division standing or consent of instructor.
Introduction to education and the role that education and schools play in society.
(This course is offered as S ED 300 and EDUC 300. Students may not repeat the course under an alternate prefix.)

**Course Attributes:**
- UD-D: Social Sciences
- Social Justice

**S ED 615 Constitutional Concepts for Future Teachers (Units: 2)**
Prerequisite: Admission to Credential Program or consent of instructor.
Major concepts include separation/sharing of powers; popular sovereignty, limits on government. Meets U.S. constitutional requirement for basic teaching credential.

**S ED 640 Supervised Observation/Participation in Public Schools (Units: 3)**
Prerequisite: Concurrent enrollment in S ED 751.
A program of observation and participation in public schools under the guidance of a university supervisor, including regular meetings for the analysis of field experiences. (CR/NC grading only) [CSL may be available]

**Course Attributes:**
- Teacher Credential Program Crs

**S ED 660 Student Teaching Single Subject (Units: 9)**
Prerequisite: Admission to Credential Program or consent of instructor.
Teaching experience in the public school under the guidance of a university supervisor with the cooperation of a supervising teacher. Open only to candidates formally approved by the Secondary Education Department. Requires a total of 18 units.

**Course Attributes:**
- Teacher Credential Program Crs

**S ED 699 Independent Study (Units: 1-3)**
Prerequisite: Admission to Credential Program or consent of instructor.
An intensive study of a particular problem in education under direction of a member of the department. Enrollment by petition approved by the instructor, adviser, and department chair. Open to regularly enrolled students only.

**S ED 701 Teaching for Equity in Secondary Schools (Units: 3)**
Prerequisite: Admission to Credential Program or consent of instructor.
Examination of historical purposes of education, the influences of identity on schooling experience, school-based factors that contribute to inequitable outcomes, and our agency as teachers to make changes for equity. (Plus-minus letter grade only)

**Course Attributes:**
- Teacher Credential Program Crs

**S ED 710 Seminar in Secondary Education (Units: 2)**
Prerequisite: Admission to Credential Program or consent of instructor.
Focus on skills and knowledge for successful secondary level substitute teacher such as classroom management skills, lesson-plan understanding, and knowledge of early adolescents. May be repeated for a total of 4 units. (Plus-minus letter grade only)

**S ED 720 Literacy Across Content Areas (Units: 3)**
Prerequisite: Admission to Credential program or consent of instructor.
Instructional strategies, grounded in theory and research, which help secondary school students use reading and writing to learn in all subject matter areas. Emphasis on supporting literacy development of culturally and linguistically diverse learners. (Plus-minus letter grade only)

**Course Attributes:**
- Teacher Credential Program Crs
S ED 751 Classroom Environment and Management (Units: 3)
Prerequisites: Admission to Credential program; concurrent enrollment in S ED 640.

Creating and maintaining positive and productive learning environments. Emphases on preparation for supporting student teaching and performance assessment. (Plus-minus letter grade only) [CSL may be available]
Course Attributes:
- Teacher Credential Program Crs

S ED 752 Professional Perspectives and Practices (Units: 3)
Prerequisites: Admission to Credential program; S ED 751; concurrent enrollment in S ED 660.

Integrating, reflecting, and building knowledge and skills for teaching all students are the major thrusts. Professional obligations and growth are also addressed. (Plus-minus letter grade only)
Course Attributes:
- Teacher Credential Program Crs

S ED 759 Curriculum and Instruction I (Units: 3)
Prerequisite: Admission to Credential program or consent of instructor.

Content area to be specified in Class Schedule. Principles and practices for teaching secondary subjects, including planning of content and instruction with consideration of student learning and state standards. May repeat when topics vary. (Plus-minus letter grade only)
Course Attributes:
- Teacher Credential Program Crs

S ED 761 School Mathematics: Problem Solving (Units: 3)
Prerequisite: Graduate standing or consent of instructor.

Curriculum development in mathematics. Problem solving strategies as a unifying theme for content selection. (This course is offered as E ED 761 and S ED 761. Students may not repeat the course under an alternate prefix.)
S ED 769 Curriculum and Instruction II (Units: 3)
Prerequisites: S ED 759; concurrent enrollment in S ED 660.

Subject area to be specified in Class Schedule. Principles and practices for teaching secondary subjects to all learners, with additional emphases on assessment, reflective practice, and technology. May repeat when topics vary. (Plus-minus letter grade only)
Course Attributes:
- Teacher Credential Program Crs

S ED 770 Current Issues in Secondary Education (Units: 3)
Prerequisite: Graduate standing or consent of instructor.

Examination of a variety of current issues important to secondary education professionals. (Plus-minus AB/NC)
S ED 780 Advanced Curriculum Development (Units: 3)
Prerequisite: Graduate standing or consent of instructor.

Builds on curriculum development skills from credential program to next steps in creating innovative curriculum for secondary education programs.

S ED 790 Second Language Development (Units: 3)
Prerequisites: Admission to Credential Program; S ED 751; or consent of instructor.

Issues related to language, culture, and literacy development for second language learners. The role of first language competencies in the development of second language. Treatment of second language acquisition theories, instructional strategies, and pedagogical techniques. (Plus-minus letter grade only) [CSL may be available]
Course Attributes:
- Teacher Credential Program Crs

S ED 796 Analyzing Cases of Mathematical Teaching (Units: 3)
Prerequisite: Graduate standing or consent of instructor.

Cases of mathematics teaching practice are a catalyst for analytic discussion of assessment, mathematical representation, and student misconceptions. Teaching decisions are evaluated in the context of real classroom situations with regard to their impact on student learning, motivation, and beliefs. (Plus-minus letter grade only)
(This course is offered as E ED 796 and S ED 796. Students may not repeat the course under an alternate prefix.)
S ED 800 Adolescent Development (Units: 3)
Prerequisite: Admission to Credential Program or consent of instructor.

Covers learning theories, current social issues, and adolescent behaviors. Five areas of adolescent development (emotional, physical, moral, social, and cognitive) are examined as each pertains to middle and high school teaching and student learning. (Plus-minus letter grade only)
Course Attributes:
- Teacher Credential Program Crs

S ED 807 Leadership Development in Mathematics Education (Units: 3)
Prerequisite: Consent of instructor.

Enhancement and development of mathematical ideas and instructional methodologies from a classroom perspective to a theoretical framework. Knowledge of curriculum development and leadership skills; dissemination to other teachers. (This course is offered as E ED 807 and S ED 807. Students may not repeat the course under an alternate prefix.)
S ED 850 Culminating Experience Project Design (Units: 3)
Prerequisites: Graduate standing in secondary education and approval of first reader.

Prepare student to apply lessons learned to their culminating experience project: thesis, field study or curriculum innovation project (CIP). (Plus-minus letter grade only)
S ED 856 Assessing Mathematical Thinking (Units: 3)
Prerequisite: Consent of instructor.

Assessment strategies for classroom use; dimensions of students’ mathematical thinking and learning. Development of performance assessments includes open-ended tasks and portfolios. (This course is offered as E ED 856 and S ED 856. Students may not repeat the course under an alternate prefix.)
S ED 895 Field Study (Units: 3)
Prerequisites: Consent of graduate major advisor and approval of Advancement to Candidacy (ATC) and Culminating Experience (CE) forms by Graduate Studies. ATC and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration. (CR/NC; RP grading only)

S ED 898 Master's Thesis (Units: 3)
Prerequisites: Consent of graduate major advisor and approval of Advancement to Candidacy (ATC) and Culminating Experience (CE) forms by Graduate Studies. Graduate Approved Program and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration. (CR/NC grading only)

S ED 899 Independent Study (Units: 1-3)
Prerequisite: Admission to Credential Program or consent of instructor.

An intensive study of a particular problem in education under direction of a member of the department. Enrollment by petition approved by the instructor, adviser, and department chair. Open only to regularly enrolled graduate students.