

SECONDARY EDUCATION

Graduate College of Education

Dean: Dr. Cynthia Grutzik

Department of Secondary Education

Burk Hall, Room 45

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Chair: Dr. Maika Watanabe

Graduate Coordinator, Concentration in Secondary Education: Dr. Maika Watanabe

Graduate Coordinator, Concentration in Mathematics Education: Dr. Judith Kysh

Professor

YANAN FAN (2006), *Professor of Secondary Education*; B.A. (1992), Capital Normal University, Beijing, China; M.A. (2000), Beijing Normal University, Beijing, China; Ph.D. (2006), Michigan State University.

JUDITH KYSH (2000), *Professor of Mathematics, Professor of Secondary Education*; B.A. (1962), M.A. (1965), University of California, Berkeley; Ph.D. (1999), University of California, Davis.

MAIKA WATANABE (2003), *Professor of Secondary Education*; B.A. (1995), Swarthmore College; M.A. (1999), Ph.D. (2003), University of California, Berkeley.

Associate Professor

LAWRENCE HORVATH (2009), *Associate Professor of Secondary Education*; B.S. (1984), University of California, Davis; M.A. (1994), California State University, San Francisco; Ph.D. (2008), University of California, Davis.

Assistant Professor

EVRA M. BALDINGER (2019), *Assistant Professor of Secondary Education*; B.S. (1996), B.A. (1996), University of California, Santa Cruz; M.A. (2012), Ph.D. (2018), University of California, Berkeley.

GILDA M. BLOOM (1988), *Assistant Professor of Secondary Education*; B.S. (1970), Bowling Green State University; M.A. (1979), Ph.D. (1991), Stanford University.

BRADLEY FOGO (2016), *Assistant Professor of Secondary Education, Assistant Professor of Elementary Education*; B.A. (1992), The University of Wisconsin, Madison; M.A. (1996), The University of Montana, Missoula; Ph.D. (2010), Stanford University.

Masters

- Master of Arts in Education: Concentration in Secondary Education (<http://bulletin.sfsu.edu/colleges/education/secondary-education/ma-education-concentration-secondary-education/>)
- Master of Arts in Education: Concentration in Mathematics Education (<http://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. (Plus-minus letter grade only)

Course Attributes:

- D1: Social Sciences

S ED 300 Education and Society (Units: 3)

Prerequisites: GE Areas A1*, A2*, A3*, and B4* all with grades of C- or better or consent of the instructor.

Introduction to education and the role that education and schools play in society.

Course Attributes:

- UD-D: Social Sciences
- Social Justice

S ED 640 Supervised Observation and 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 the 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. (CR/NC grading only)

Course Attributes:

- Teacher Credential Program Crs

S ED 699 Independent Study (Units: 1-3)

Prerequisite: Restricted to Secondary Education graduate students and Single Subject Credential students or consent of the instructor.

An intensive study of a particular problem in education under the 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 the 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 the 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 the 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 725 Classroom Issues in Language, Literacy, and Culture (Units: 3)

Prerequisite: Consent of the instructor.

Research and theory on language and literacy development in linguistically and culturally diverse communities and classrooms, first and second language acquisition, emergent literacy, and the implications of research for culturally responsive teaching and classroom organization. (Plus-minus letter grade only)

(This course is offered as E ED 725 and S ED 725. Students may not repeat the course under an alternate prefix.)

S ED 751 Classroom Environment and Management (Units: 3)

Prerequisites: Credential students; 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 701, S ED 720, S ED 751, and S ED 800; 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 the 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.

Curriculum development in mathematics. Problem solving strategies as a unifying theme for content selection. (Plus-minus letter grade only) (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.

Principles and practices for teaching secondary subjects to all learners, with additional emphases on assessment, reflective practice, and technology. Subject area to be specified in the Class Schedule. May be repeated 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 the instructor.

Examination of a variety of current issues important to secondary education professionals. (Plus-minus AB/NC)

S ED 774 Teacher Research Methodologies (Units: 3)

Prerequisite: Graduate standing or consent of the instructor.

Examination of methods of practitioner research that allow teachers to address problems of practice as they arise in the classroom. Students become familiar with relevant research literature and engage in targeted practitioner research relevant to their current teaching placement. (This course is offered as E ED 774 [Formerly E ED 769] and S ED 774. Students may not repeat the course under an alternate prefix.)

S ED 780 Advanced Curriculum Development (Units: 3)

Prerequisite: Graduate standing or consent of the instructor.

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

(This course is offered as S ED 780 and E ED 780. Students may not repeat the course under an alternate prefix.)

S ED 790 Second Language Development (Units: 3)

Prerequisite: Credential students or consent of the instructor.

Issues related to language, culture, and literacy development for second language learners. The role of first language competencies in the development of a 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 the 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 the 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 the 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 the 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 the 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 the 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: Secondary Education and Math Education graduate students and Single Subject Credential students or consent of the instructor.

An intensive study of a particular problem in education under the direction of a member of the department. Enrollment by petition approved by the instructor, adviser, and department chair.