

Teacher Education

IN THE COLLEGE OF EDUCATION

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Courses Acceptable for Master's Degree Programs in Education (TE)

Refer to Courses and Curricula and Regulations of the Division of Graduate Affairs sections of this bulletin for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

UPPER DIVISION COURSES

TE 511. Assessment in Mathematics Education (3)

Techniques to assess and develop students' mathematical understanding. For use by elementary and secondary classroom teachers and mathematics education specialists.

TE 530. Children's/Adolescents' Literature (3)

Survey of children's/adolescents' literature and its incorporation into the classroom curriculum.

TE 596. Topics in Teacher Education (1-3 or 6) RP*

Designed to meet the needs of individuals or groups of teachers who wish to develop or continue the study of some problem. May be repeated with new content. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree. Maximum credit of six units of 596 applicable to a bachelor's degree. Credit for 596 and 696 applicable to a master's degree with approval of the graduate adviser.

*Specified sections.

GRADUATE COURSES

TE 600. Curriculum Development in Education (3)

Prerequisite: Consent of instructor.

Advanced study of the research in curriculum development, construction and evaluation.

TE 602A. Seminar: California Clear Teaching Credential (1) Cr/NC

Prerequisite: Preliminary multiple or single subject credential.

Develop professional growth plans designed to provide guidance for inquiry and action research. Applicable to Induction Program for the California Professional Clear Credential.

TE 602B. Seminar: Formative Assessment (3) Cr/NC

Prerequisites: Preliminary multiple or single subject credential and Teacher Education 602A.

Advanced professional development to meet the California Standards for the Teaching Profession. Summative assessment applying Plan, Instruct, Assess, Reflect, and Apply (PIARA). Applicable to Induction Program for the California Professional Clear Credential.

TE 605. Innovations in Instruction (1-3)

Prerequisite: Teaching experience.

Exploration of innovative instructional practice in the public and private schools, with emphasis on innovative teaching strategies. An evaluation of the motivational effect and structural validity of promising instructional practices. See *Class Schedule* for specific content. Maximum credit three units applicable to a master's degree.

TE 610C. Seminar in Science in Elementary Education (3)

Prerequisite: Consent of instructor.

Advanced study of the problems of teaching science in the elementary school with emphasis on the literature of science education.

TE 615. Teaching Critical Thinking Using Technology (3)

Prerequisite: Admission to Master of Arts in Teaching program.

Critical thinking and educational technology. Educating diverse learners.

TE 626. Advanced Educational Psychology (3)

Prerequisite: Teacher Education 923 or valid teaching credential.

Advanced study of the research in educational psychology and its application to learning and human growth.

TE 630. Seminar in Literacy and Language Arts (3)

Prerequisite: Education 690.

Trends in reading instruction to include developmental sequences in reading skills and abilities, reading in the content fields, individual differences and interests.

TE 631. Seminar in Language Arts (3)

Advanced study of problems in teaching language arts. The study of the scientific research and application in the field.

TE 633. Leadership in Literacy Education (3)

Prerequisite: Teacher Education 637.

Planning, presenting, and evaluating professional development activities in literacy education for teachers at the K-12 level.

TE 635. Assessment of Reading and Language Arts (3)

Prerequisites: Valid teaching credential; course in methods and materials for teaching reading.

Theoretical knowledge and practical skill in assessing reading and language arts using both formal and informal measures.

TE 637. Instructional Strategies for Reading and Language Arts (4)

Three lectures and two hours of activity.

Prerequisites: Valid teaching credential; course in methods, materials for teaching reading.

Supervised teaching experience utilizing instructional activities in individual and small group settings.

Teacher Education

TE 638. Topics in Reading Education (1-6)

Prerequisite: California Teaching Credential.

A variety of instructional sequences (mini-courses), each focusing on a single topic or competency dealing with reading instruction. See *Class Schedule* for specific content. Maximum credit six units applicable to a master's degree.

TE 639. Literacy and Language (3)

Prerequisite: Teacher Education 930 or 933.

Theories of literacy and methods for developing literacy in language, reading and writing. Instructional methods and assessment techniques for children and adults.

TE 640. Planning for Teaching and Assessment in Writing (3)

Prerequisite: Teaching experience.

Comprehensive writing instruction in context of the interactive language arts. Development of plans for curriculum and instruction in diverse classrooms. Examination of multiple assessments and how they inform instruction in K-12 classrooms.

TE 651. History of Social Studies Reform (3)

Prerequisite: Graduate standing.

History and current status of social studies curricula in American schools, K-12. Emphasis on issues, controversies, competing philosophies, historical trends, and applications.

TE 652. Change in Education (3)

Prerequisite: Valid teaching credential.

Examination of the process of change in education, analysis of recent major changes and study of techniques for effecting change.

TE 655. Sociocultural Foundations of American Education (2 or 3)

Prerequisite: Admission to teacher education.

Historical and philosophical nature of American schools as it relates to equity, pedagogy, and curriculum. Issues of equity, race, culture, gender, ethnicity, sexual preference, and social issues as they impact the classroom.

TE 677. Research-Based Pedagogy for Diverse Learners (3)

Prerequisite: Admission to Master of Arts in Teaching program.

Research-based pedagogy for diverse learners. Instructional strategies applicable across disciplines.

TE 680. Foundations of Linked Learning (3)

(Offered only in the College of Extended Studies)

Prerequisite: Teaching credential.

Principles of linked learning and key components and instructional strategies that are part of the approach. Explore research on linked learning and examine key legislation that support linked learning and related high school improvement approaches.

TE 681. Linked Learning Pathway Design and Delivery (3)

(Offered only in the College of Extended Studies)

Prerequisite: Teaching credential.

Concepts and efforts for building high-quality linked learning pathways. Development of a pathway vision, mission, theme, and student learning outcomes. Effective instructional practices; interventions including academic, behavioral, and health supports; and college and career readiness.

TE 682. Integrated Curriculum Design, Implementation, and Assessment (3)

(Offered only in the College of Extended Studies)

Prerequisite: Teaching credential.

Planning, creating, and implementing integrated curriculum and assessment for linked learning environments, including defining quality integrated curriculum, best practices in problem-based learning, integration of career technical education, and work-based learning.

TE 683. Work-based Learning: Core Linked Learning Instructional Strategy (3)

(Offered only in the College of Extended Studies)

Prerequisite: Teaching credential.

Work-based learning, a key component and instructional strategy of the linked learning approach to high school improvement. Work-based learning and key features. Integrate authentic work-based learning experiences into courses and projects.

TE 684. Rethinking Teacher Roles in Linked Learning Pathways (3)

(Offered only in the College of Extended Studies)

Prerequisite: Teaching credential.

Key elements and principles associated with the linked learning field that are transforming the role of the teacher. How those roles affect pathway continuous improvement and achievement and success for all students.

TE 693. Measuring and Assessing Student Achievement in Schools (3)

Prerequisite: Admission to Master of Arts in Teaching program.

Development of assessments and tests common in instructional and research contexts. Uses and interpretation of assessment data in given differential social/political contexts. Implications for research and instruction.

TE 696. Selected Topics in Teacher Education (1-3)

Prerequisite: Valid teaching credential.

Intensive study in specific areas of teacher education. May be repeated with new content. See *Class Schedule* for specific content. Credit for 596 and 696 applicable to a master's degree with approval of the graduate adviser.

TE 709. Inclusive Education (3)

One lecture and four hours of activity.

Prerequisite: Graduate standing.

Research, theory, and practice of inclusive education to include examination of the politics of disability in the public schools and American society.

TE 779. Action Research in Learning Environments (3)

Prerequisites: Teacher Education 693 and successful completion of 24 units of Master of Arts in Teaching coursework.

Capstone course for Master of Arts in Teaching degree. Action research conducted in students' own teaching environments.

TE 790. Seminar in Teacher Education (3-6)

Prerequisite: Advancement to candidacy.

Intensive consideration of selected topics of current importance in teacher education. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit six units applicable to a master's degree. For collaborative induction programs with school districts: May be taken prior to advancement to candidacy for six units; up to 12 units applicable to a master's degree.

TE 798. Special Study (1-6) Cr/NC/RP

Prerequisite: Consent of staff; to be arranged with department chair and instructor.

Individual study. May involve fieldwork. Maximum credit six units applicable to a master's degree.

CREDENTIAL COURSES

TE 902. Classroom Management Skills (1-2)

Prerequisite: Provisional or complete admission to multiple subject credential program.

Skills in interpreting the legal aspects of education, identifying various kinds of school and classroom organization, and using instructional media and verbal stimuli to facilitate learning.

TE 903. Secondary School Student Teaching Seminar (1-2) Cr/NC

Prerequisites: Teacher Education 922, 933, 954, 963. To be taken concurrently with Teacher Education 964 or upper division standing in the integrated teacher education program.

To plan and organize instruction in relation to all competencies acquired and to be implemented in an on-site, full-time student teaching assignment. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit four units.

TE 910A. Teaching Mathematics in the Elementary School (1-3)

Prerequisite: Admission to multiple subject credential program, education specialist credential program, or possession of a teaching credential.

Instructional methods for development of children's conceptual understanding, computational, and problem-solving skills in mathematics, including use and development of materials and programs.

TE 910B. Teaching Social Studies in the Elementary School (1-3)

Prerequisite: Admission to multiple subject credential program or possession of a teaching credential.

Developing curriculum, principles and materials of instruction, including instructional media and participation in elementary social studies education.

TE 910C. Teaching Science in the Elementary School (1-3)

Prerequisite: Admission to multiple subject credential program or possession of a teaching credential.

Developing research-based science curriculum, principles and materials of instruction, including instructional media and participation in elementary science education.

TE 914. Teaching and Learning in the Content Area: Major (3)

Prerequisite: Admission to teacher education credential program.

Teaching strategies in content specific fields of study taken concurrently with student teaching. May be repeated with new content. See *Class Schedule* for specific content.

TE 914A. Instructional Methods for Mathematics (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in mathematics. To be taken concurrently with student teaching.

TE 914B. Instructional Methods for History and Social Sciences (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in history and social sciences. To be taken concurrently with student teaching.

TE 914C. Instructional Methods for Science (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in sciences. To be taken concurrently with student teaching.

TE 914D. Instructional Methods for English Language Arts (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in English Language Arts (ELA). To be taken concurrently with student teaching.

TE 914E. Instructional Methods for Physical Education (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in physical education. To be taken concurrently with student teaching.

TE 914F. Instructional Methods for Music (3)

Prerequisite: Admission to a teacher education credential program.

Teaching strategies and assessment in physical education. To be taken concurrently with student teaching.

TE 922. Behavioral and Psychological Aspects of Teaching (1-4)

Prerequisites: Admission to single subject credential program. To be taken concurrently with Teacher Education 954 and 963.

Teacher competencies as they relate to learning theories, adolescent growth, self-assessment, measurement and evaluation. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit four units.

TE 923. Psychological Foundations of Education (1-3)

Prerequisites: Psychology 101 and admission to multiple subject credential program.

Implementing learning process through interactive skills, using instructional principles to facilitate learning and changes in behavior and techniques used in assessing instruction and pupil growth.

TE 924A. Advanced Methods in Teaching Mathematics (2-4)

Prerequisites: Teacher Education 914A with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary mathematics instruction.

TE 924B. Advanced Methods in Teaching History/ Social Science (2-4)

Prerequisites: Teacher Education 914B with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary history/social science instruction.

TE 924C. Advanced Methods in Teaching Science (2-4)

Prerequisites: Teacher Education 914C with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary science instruction.

TE 924D. Advanced Methods in Teaching English Language Arts (2-4)

Prerequisites: Teacher Education 914D with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary English language arts instruction.

TE 924E. Advanced Methods in Teaching Physical Education (2-4)

Prerequisites: Teacher Education 914E with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary physical education instruction.

TE 924F. Advanced Methods in Teaching Music (2-4)

Prerequisites: Teacher Education 914F with a grade of C (2.0) or better and admission to a single subject credential program.

Best practices, evaluation of student work, learning assessments, and pedagogy in secondary music instruction.

TE 930. Teaching Reading and Language Arts in the Elementary School (1-6)

Prerequisite: Admission to multiple subject credential program, education specialist credential program, or possession of a teaching credential.

Selecting, designing, and evaluating appropriate learning experiences to assure children's growth in reading and language arts. Includes nature of reading and language arts as a human behavior, various approaches, materials, and techniques used in teaching reading and language arts. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit six units.

TE 933. Teaching of Literacies in the Secondary School (3)

Prerequisite: Admission to a credential program.

Teacher competencies and skills to include reading/writing and diagnosing literacy needs in content areas. For students completing a credential at SDSU, this course must be taken concurrently with enrollment in first or second semester single subject credential program.

TE 954. Humanistic and Social Aspects of Teaching (1-4)

Prerequisites: Admission to single subject credential program and concurrent registration in Teacher Education 922 and 963 or upper division standing in the integrated teacher education program (ITEP-SS).

Teacher competencies as they relate to values, awareness, self-concept, rights and responsibilities. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit four units.

TE 960. Basic Student Teaching Seminar (1-2) Cr/NC

Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 965.

Discussion of immediate problems in student teaching with emphasis on children's growth and development.

TE 961. Advanced Student Teaching Seminar (1-2) Cr/NC

Prerequisites: Satisfactory completion of Teacher Education 960, 965; and concurrent registration in Teacher Education 966.

Discussion of immediate problems in student teaching with emphasis on the influence of philosophical, social and cultural factors on learning.

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TE 963. Secondary School Student Teaching I (1-12) Cr/NC/RP

Prerequisites: Admission to single subject credential program or upper division standing in an integrated teacher education program. To be taken concurrently with Teacher Education 922 and 954. Teacher Education 933 is highly recommended to be taken at this time. Student must provide own transportation to student teaching site.

On-site, part-time experience to implement teacher competencies developed in Teacher Education 170 [or Child and Family Development 170] or 922 and 954. Maximum credit 12 units.

TE 964. Secondary School Student Teaching II (1-12) Cr/NC/RP

Prerequisites: Teacher Education 922, 933, 954, 963. To be taken concurrently with Teacher Education 903. Student must provide own transportation to student teaching site.

On-site, full-day experience to implement teacher competencies as developed from the total professional sequence. Maximum credit 12 units.

TE 965. Basic Student Teaching in Elementary Schools (1-12) Cr/NC/RP

Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 960.

Day-to-day teaching experiences including selected instructional activities for which a teacher in a classroom is normally responsible.

TE 966. Advanced Student Teaching in Elementary Schools (1-12) Cr/NC/RP

Prerequisites: Satisfactory completion of Teacher Education 960, 965, and concurrent registration in Teacher Education 961.

Teaching experiences including all the instructional activities for which a teacher in a classroom is normally responsible.

TE 967. Elementary School Student Teaching (15) Cr/NC (Offered only at SDSU-IV)

Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 960 and 961.

On-site, full-day teaching experiences. Two consecutive eight week assignments at two different broad levels of schooling. Each eight week assignment will provide typical responsibilities of teachers through a graduated series of experiences, such as class preparation, instruction of students, maintaining accurate student records, attending faculty meetings and parent conferences.

TE 968. Secondary School Student Teaching (15) Cr/NC (Offered only at SDSU-IV)

Prerequisites: Admission to single subject credential program and concurrent registration in Teacher Education 903.

On-site, full-day teaching experiences. Two consecutive eight week assignments in single subject content area; one in junior high school and one in senior high school. Each eight week assignment will provide typical responsibilities of teachers through a graduated series of experiences, such as class preparation, instruction of students, maintaining accurate student records, attending faculty meetings and parent conferences.

TE 969. Clinical Practice for Induction (2-6) Cr/NC

Prerequisite: Admission to College of Education induction program.

Mentor-supported field experience for novice teachers in fully-accredited K-12 schools in preparation for a clear multiple subject, single subject, and education specialist credential. Advanced teaching strategies. Evaluation based on outcomes-based assessments. May be repeated with new content. See *Class Schedule* for specific content. Maximum credit 24 units.

Educational Technology

Refer to “Learning Design and Technology” in this section of the bulletin.

Electrical and Computer Engineering

Refer to “Engineering” in this section of the bulletin.