

# EDUCATION | SCHOOL OF TEACHING AND LEARNING

Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings.

More Info (<http://registrar.ufl.edu/soc/>)

*Unless otherwise indicated in the course description, all courses at the University of Florida are taught in English, with the exception of specific foreign language courses.*

## Department Information

With more than three-dozen faculty and students from all over the world, the School of Teaching & Learning offers on-campus and online programs in a diverse range of subjects in education.

Website (<https://education.ufl.edu/school-teaching-learning/>)

### CONTACT

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Map (<http://campusmap.ufl.edu/#/index/0007>)

### Curriculum

- Elementary Education | Grades K-6
- UFTeach | Mathematics or Science Minor

## Courses

### ARE 4940 Student Teaching in Art Education 4-12 Credits

**Grading Scheme:** S/U

Student-teaching classroom experience in art.

**Prerequisite:** minimum 2.5 GPA and art education major.

### EDE 3941 Clinical Rotations Across Diverse Elementary School Contexts 2 Credits

**Grading Scheme:** Letter Grade

Engage in clinical rotations across diverse elementary school contexts and participate in seminars with university supervisors. Students will apply, extend, and reflect on the concepts, questions, theories, and models studied in university-based teacher preparation courses.

**Prerequisite:** Elementary Education major.

### EDE 4905 Individual Study 1-3 Credits

**Grading Scheme:** Letter Grade

In-depth study of a problem that relates to teacher preparation. The project must be approved and supervised by a department faculty member.

### EDE 4940 Internship in Elementary Education 1-6 Credits

**Grading Scheme:** S/U

Teacher candidates will gain competence in the planning for, teaching, and assessment of diverse students in school settings. Candidates collaborate with a mentor teacher to practice using various models of co-teaching and a variety of equity pedagogy instructional strategies to support the learning of all students.

**Prerequisite:** Elementary Education major.

### EDE 4942 Integrated Teaching in Elementary Education 2 Credits

**Grading Scheme:** S/U

This field component is an intensive experience completed during the integrated semester in language arts and social studies in the inclusive classrooms. (S-U)

**Prerequisite:** EEX 3070;

**Corequisite:** EEX 4905

### EDF 1005 Introduction to Education 3 Credits

**Grading Scheme:** Letter Grade

Overview of education, teaching and schools; a survey of historical, philosophical and social foundations; and an orientation to professional education and the code of ethics. Thirty hours of field experience is required. This is the first of three prerequisite core courses for those who plan to be teachers. EDF 2085 and EME 2040 continue the sequence.

### EDF 3083 International and Comparative Education 3 Credits

**Grading Scheme:** Letter Grade

Examines the political, economic, and cultural contexts of schooling in various parts of the world; introduces theoretical perspectives and comparative methods for interpreting the significance of educational policies and practices in light of globalization.

**Prerequisite:** EDF 3604.

### EDF 3514 History of Education in the United States 3 Credits

**Grading Scheme:** Letter Grade

The development of American schools and major problems in American education; emphasizes the relationships among the schools, intellectual movements and social institutions. (H)

**Attributes:** General Education - Humanities

### EDF 3604 Social Foundations of Education 3 Credits

**Grading Scheme:** Letter Grade

Educative effects of social structures and social values and the issues involved in appraising these effects, including the resulting social demands upon schools.

**Attributes:** General Education - Social Science, Satisfies 6000 Words of Writing Requirement

### EDF 3609 Sociological and Historical Foundations of Education 3 Credits

**Grading Scheme:** Letter Grade

A sociological and historical analysis of schooling in American society. Aims of education are examined in relation to social structures, institutions and values; subcultures; social stratification; school law; and democracy and the sociology of the teaching profession.

**Prerequisite:** junior standing or higher or department permission.

### EDF 4930 Schools on Screen: American Education in Popular Media 3 Credits

**Grading Scheme:** Letter Grade

Explores how the movies and television have portrayed educators and students over time; investigates the ways in which those representations have helped to shape popular impressions of American schooling.

**Prerequisite:** EDF 3604.

### EDG 2021 Critical Issues in Education 1 Credit

**Grading Scheme:** Letter Grade

Explores the broad field of education in a variety of traditional and nontraditional contexts. Introduces enduring issues in educational systems in the US and examines organizations and career fields focused on addressing these issues.

**EDG 3343 Equity Pedagogy Instructional Strategies 3 Credits****Grading Scheme:** Letter Grade

An overview of how to plan instruction using Universal Design for Learning and Culturally and Linguistically Sustaining Pedagogy. These foundational approaches to instruction will help future teachers focus on the strengths of learners who come from diverse backgrounds, particularly those with a range of abilities, as they design learning environments to meet students' needs.

**Prerequisite:** Elementary Education major.**EDG 3623 Equity Pedagogy Foundations 3 Credits****Grading Scheme:** Letter Grade

Explores the foundational concepts of race, class, ability, and sexuality as they impact schools and the children served in them. Students will examine the ways their own history and experiences have shaped their view of schools, schooling, and the children they will teach throughout their careers as educators.

**Prerequisite:** Elementary Education major.**EDG 4003 Global Issues in K-12 Education 3 Credits****Grading Scheme:** Letter Grade

Overview of current global issues and strategies for incorporating them into the K-college curriculum.

**EDG 4048 Studying Equity Pedagogy 3 Credits****Grading Scheme:** Letter Grade

Teacher candidates will engage in the process of teacher inquiry as they focus on becoming an antiracist teacher and cultivating skills to advocate for themselves, their students, and the profession of teaching.

**Prerequisite:** Elementary Education major.**EDG 4078 Experiential Learning in Education 3 Credits****Grading Scheme:** S/U

Provides an opportunity to engage in experiential learning, as demonstrated by service learning, internship, undergraduate research, study abroad, school or industry liaison projects, or other projects approved by the instructor. Requires 150 hours in an approved experience.

**Prerequisite:** EDG 2021.**EDG 4203 Elementary and Secondary Curriculum 3 Credits****Grading Scheme:** Letter Grade

Purposes, organization, curriculum and issues of elementary and secondary schools and roles of educators.

**EDG 4442 Rethinking Discipline and Classroom Management 3 Credits****Grading Scheme:** Letter Grade

Exploring classroom management as it currently exists in schools, developing the skills to work within this system while simultaneously challenging and disrupting common practices that have adversely affected many school children including Black and Brown students, students whose first language is not English, immigrant students, students with ability differences, LGBTQ students, and students who live in poverty.

**Prerequisite:** Elementary Education major.**EDG 4703 Equity Pedagogy Applications 3 Credits****Grading Scheme:** Letter Grade

The application of pedagogical frameworks (Universal Design for Learning and Culturally and Linguistically Sustaining Pedagogy) in the implementation and assessment of instruction in the elementary classroom. Teacher candidates will examine minoritized identities (i.e., race, ability, gender and sexuality, etc.) and the ways these identities intersect with one another to impact how children experience schools and schooling.

**Prerequisite:** Elementary Education major.**EDG 4905 Individual Study 1-6 Credits****Grading Scheme:** Letter Grade

Individual Study

**EDG 4910 Education Undergraduate Research 0-3 Credits****Grading Scheme:** S/U

Supports mentored scholarship work that enables individual students to engage in the research process of posing questions, collecting and analyzing data, drawing evidence-based conclusions and communicating the results to others. Projects may involve inquiry, design, investigation, scholarship, discovery or application depending on the topic. (S-U)

**EDG 4930 Special Topics 1-4 Credits****Grading Scheme:** Letter Grade

Topics vary.

**EME 2040 Introduction to Educational Technology 3 Credits****Grading Scheme:** Letter Grade

Introduces computer productivity (word processing, databases, spreadsheets, painting, drawing, layouts); multimedia (media design, digital video, presentation); communications (internet, Eric); educational software (computer-aided instruction, public domain software); interactive media (linked environments, one-to-many, presentations using electronic tools); reference materials (electronic encyclopedia, atlases, clip art, libraries, internet); instructional applications (techniques); and ethical.

**EME 3044 Issues and Trends in Educational Technology 3 Credits****Grading Scheme:** Letter Grade

Introduces the field of educational technology and its history and allows an exploration of current topics and trends in educational technology research and application.

**Prerequisite:** EME 2040.**EME 3319 Design and Development of Educational Multimedia 3 Credits****Grading Scheme:** Letter Grade

Introduces the principles, methods, and tools for the design and development of multimedia applications, including incorporation of sound, animation, still images, video, and other media in educational technology.

**Prerequisite:** EME 2040.**EME 3813 Technology-Enhanced Learning Environments 3 Credits****Grading Scheme:** Letter Grade

Analyzes how people learn in technology-enhanced environments, outlines how the design of technology-enhanced systems can support or undermine learning, and considers critical issues for instructors, designers, and learners in the digital age.

**Prerequisite:** EME 2040.**EME 4010 Distance Education Research and Practice 3 Credits****Grading Scheme:** Letter Grade

Examines the concepts, technologies, and issues related to the analysis, design, development, implementation, policy-making, and evaluation of distance education courses and programs. Create an online module based on design principles and quality guidelines.

**Prerequisite:** EME 2040.**EME 4320 Instructional Development for Teaching and Learning 3 Credits****Grading Scheme:** Letter Grade

Design and develop instructional materials using emerging technologies. Topics include programming, authoring packages, design principles, and development procedures. Development includes web-based and mobile-based authoring and programming activities.

**Prerequisite:** EME 4673.

**EME 4401 Integrating Technology in the Elementary Curriculum 3 Credits****Grading Scheme:** Letter Grade

Prepares elementary majors to effectively use technology in teaching and learning.

**Prerequisite:** Formal admission to the upper division Unified Elementary ProTeach program.**EME 4406 Integrating Technology into the Secondary Curriculum 3 Credits****Grading Scheme:** Letter Grade

Gain experience with curriculum design and course development, which assumes use of technology.

**EME 4673 Introduction to Instructional Design 3 Credits****Grading Scheme:** Letter Grade

Introduces the processes, methods, and techniques involved with systematic design on instruction. Topics include needs assessment, goal analysis, learner and context analysis, performance objectives, assessment instruments, instructional strategies, development procedures, formative and summative evaluation.

**Prerequisite:** EME 2040.**ESE 4340C Effective Teaching and Classroom Management in Secondary Education 3 Credits****Grading Scheme:** Letter Grade

Basic strategies for curriculum planning, instruction, classroom organization and student behavior management.

**ESE 4905 Individual Study 1-4 Credits****Grading Scheme:** Letter Grade

In-depth study of a problem that relates to preparation as secondary education teachers. The project must be approved and supervised by a department faculty member.

**LAE 3005 Children's Literature 3 Credits****Grading Scheme:** Letter Grade

Introduces genres of children's literature, critical response theory, strategies for critically evaluating books for instructional and aesthetic purposes, and strategies for generating personal, critical and aesthetic responses to literature from diverse and inclusive student populations.

**LAE 4314 Language Arts for Diverse Learners 3 Credits****Grading Scheme:** Letter Grade

Analysis of content, materials and methods for teaching language arts in an inclusive elementary school classroom.

**Prerequisite:** Formal admission to the upper division Unified Elementary ProTeach program.**LAE 4604 Language Arts for Diverse Learners in Early Education 3 Credits****Grading Scheme:** Letter Grade

Focuses on the early developmental levels of writing and different definitions of writing, including writing as composing, writing as spelling/encoding and writing as handwriting. Addresses instructional strategies appropriate for teaching young children to write and explores instructional approaches from different theoretical perspectives.

**Prerequisite:** RED 3309.**MAE 2364 Explorations Teaching Secondary Mathematics and Science 3 Credits****Grading Scheme:** Letter Grade

Introduces prospective teachers to teaching secondary mathematics and science (grades 6-12).

**MAE 3312 Mathematics Content for Elementary Teachers 3 Credits****Grading Scheme:** Letter Grade

Analysis of the content and methods necessary to effectively teach content from the number, algebra, and geometry strands of mathematics in the inclusive elementary classroom. Provides pre-service teachers with the underlying content and pedagogical content knowledge necessary to effectively teach mathematics.

**Prerequisite:** Elementary Education major.**MAE 4310 Teaching Mathematics in the Inclusive Elementary School 3 Credits****Grading Scheme:** Letter Grade

Analyzes content, materials and methods of teaching mathematics in the inclusive elementary classroom. Prepares the future teacher of mathematics for facilitation of instruction to meet the needs of all children, including children with disabilities.

**Prerequisite:** Formal admission to the upper division Unified Elementary ProTeach program.**MAE 4310L Teaching Elementary Mathematics Lab 1 Credit****Grading Scheme:** Letter Grade

An inquiry-based math lab to accompany MAE4310. Focused on hands-on activities related to foundational concepts in elementary mathematics, with an emphasis on family/community experiences, equity and social justice issues, and relationships to science, technology, engineering, and/or the arts.

**Prerequisite:** Elementary Education Major;**Corequisite:** MAE 4310.**MUE 4940 Student Teaching in Music Education 9-10 Credits****Grading Scheme:** S/U

Student teaching in selected classrooms of public schools. Special seminars and continuous evaluation of teaching experiences. (S-U)

**Prerequisite:** Music major.**RED 3307 Teaching Reading in Primary Grades 3 Credits****Grading Scheme:** Letter Grade

Studies constructivist theory of how children learn and the sociopsycholinguistic theory of language learning. Focuses on how children construct knowledge about and learn to use written language.

**RED 3309 Emergent Literacy and Beginning Reading Instruction 3 Credits****Grading Scheme:** Letter Grade

Provides students with knowledge to support emergent literacy in young children and teaching beginning reading in the early primary grades. Designed to provide students with theoretical and practical knowledge and experiences that prepare them to teach in a variety of applicable educational settings.

**Prerequisite:** LIN 3710.**RED 3312 Content Area Literacy 3 Credits****Grading Scheme:** Letter Grade

Studies the fundamental knowledge necessary to teach basic reading skills in the elementary school classroom.

**RED 4324 Reading in the Intermediate Grades 3 Credits****Grading Scheme:** Letter Grade

Theory and practice for teaching reading in grades 3-6; develop expertise in literacy strategy and instruction in the classroom. Instruction is always embedded in the context of current educational policies. Become familiar with current research on reading, recent educational policy development, and issues of teaching in a diverse society.

**Prerequisite:** Formal admission to the upper division Unified Elementary ProTeach program.

**RED 4844 Practicum in Reading 2 Credits****Grading Scheme:** Letter Grade

Demonstrate knowledge and skill in implementing evidence-based instructional practices in reading in a field placement. Students will collect and analyze assessment data, plan instruction based on information from data, implement effective instruction, and monitor students' progress.

**Prerequisite:** RED 3307.**SCE 4113L Elementary Science Content 3 Credits****Grading Scheme:** Letter Grade

Overview of integrated science content essential for developing K-6 science curriculum. The course includes science-specific pedagogy and translation of the science content knowledge into grade specific activities aligned with the national science content standards for K-12 and the Next Generation Sunshine State Standards.

**Prerequisite:** Elementary education majors**SCE 4310 Elementary Science Methods for the Inclusive Classroom 3 Credits****Grading Scheme:** Letter Grade

Materials and methodology related to teaching the concepts and processes of science. Prepares pre-service teachers to teach science concepts and processes to all children, including those with disabilities.

**Prerequisite:** Formal admission to the upper division Unified Elementary ProTeach program.**SCE 4310L Elementary Science Methods Lab 1 Credit****Grading Scheme:** Letter Grade

An inquiry-based science lab to accompany SCE4310. Focused on learning lab procedures and safety practices, conducting scientific investigations, and deepening understanding of core science concepts required to teach science to elementary children.

**Prerequisite:** Elementary Education major;**Corequisite:** SCE 4310.**SMT 1661 Step 1: Inquiry Approaches to Teaching Mathematics and Science 1 Credit****Grading Scheme:** Letter Grade

Introduces the evidence-based teaching practices necessary to design and deliver excellent mathematics and science instruction. Students engage in early field experiences in a local elementary school classroom to explore mathematics and science teaching as a career.

**SMT 1662 Step 2: Inquiry Based Lesson Design in Mathematics and Science Education 2 Credits****Grading Scheme:** Letter Grade

Introduces inquiry-based lesson design that supports effective instructional techniques for middle school mathematics and science teaching.

**Prerequisite:** SMT 1661 with minimum grade of C.**SMT 3100 Knowing and Learning in Mathematics and Science Teaching 3 Credits****Grading Scheme:** Letter Grade

Investigates theories of knowing and learning in mathematics and science and implications for teaching secondary mathematics and science. (S)

**Prerequisite:** sophomore standing or higher.**Attributes:** General Education - Social Science**SMT 3301C Classroom Interactions in Mathematics and Science Education 3 Credits****Grading Scheme:** Letter Grade

Overview of principles for teaching middle and secondary school mathematics or science through an exploration of the role of content, pedagogy, curriculum and technology as they promote learning and impact equity.

**Prerequisite:** MAE 2364 and SMT 3100 with minimum grades of C.**SMT 3664 Project-Based Instruction in Math and Science Education 3 Credits****Grading Scheme:** Letter Grade

Overview of project-based instruction as an investigative and collaborative teaching approach in mathematics and science education.

**Prerequisite:** MAE 2364;**Corequisite:** SMT 3100**SMT 4945 Apprenticeship in Secondary Mathematics and Science Teaching 4-6 Credits****Grading Scheme:** Letter Grade

UF Teach capstone experience. Students apply previously learned techniques and theoretical perspectives of mathematics or science education within a secondary school classroom setting.

**Prerequisite:** SMT 1661 and (SMT 1662 or MAE 2364) and SMT 3100 with minimum grades of C.**SSE 4312 Social Studies for Diverse Learners 3 Credits****Grading Scheme:** Letter Grade

Studies goals, methods and evaluation procedures for social studies curriculum in elementary schools (K - 6).

**TSL 3323 ESOL and Reading for Teachers 3 Credits****Grading Scheme:** Letter Grade

Develop an understanding of literacy teaching and learning, with a dual focus on native speakers of English and English language learners; focuses on methods and materials used to support the development of proficient and critical adolescent readers in academic content areas.

**TSL 3520 ESOL Foundations: Language and Culture in Classrooms 3 Credits****Grading Scheme:** Letter Grade

Examines issues of language and culture relevant to school-age learners of English as a Second Language (ESOL).

**TSL 4100 ESOL Curriculum, Methods and Assessment 3 Credits****Grading Scheme:** Letter Grade

Extends the understanding of ways that language and culture affect second-language learners' participation and learning in elementary classrooms. Create appropriate and challenging curriculum content, materials and assessments to create meaningful and equitable learning environments for native English speakers and second-language learners.

**Prerequisite:** TSL 3520.**TSL 4324 ESOL Strategies for Content Area Teachers 3 Credits****Grading Scheme:** Letter Grade

Overview of the issues relevant to ESOL learners and develops the skills to teach ESOL students in content area classes.