TEACHING AND LEARNING (TAL)

TAL 101. Social and Technological Foundations of Education. 3 Credit Hours.
Interdisciplinary overview of the historical development of education in the United States. Topics include history of education, schooling as a social institution, school funding, ethics, legal issues, racism, social class, sexism, homophobia and heterosexism, language-based discrimination and religion. This course emphasizes the interdependent nature of school and culture; it critically analyzes issues facing children, parents, and educators using this larger cultural framework.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 103. Psychological Foundations of Education. 3 Credit Hours.
Overview of major frameworks in psychology that inform teaching and learning within classroom settings. Major theories of development related to language, affect and cognition across the life span and within diverse settings. Attention is drawn to contributions from social and personality psychology, cognitive science, testing and psychometrics to promote learning through classroom instruction and assessment.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 107. American Sign Language I. 3 Credit Hours.
This course is designed to allow participants to learn about Deaf Culture and be able to sign with sufficient fluency to discuss work, social, and family topics using two to four sentence responses.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 191. Developmental Reading for College Students. 3 Credit Hours.
Instruction in college level reading strategies based on individual student needs. Emphasis on vocabulary, comprehension and techniques of test preparation.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 203. Children's Literature. 3 Credit Hours.
History, trends, and genres of children's literature with emphasis on children's literature as a curriculum resource.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 204. Building Positive Relationships in Diverse Inclusive Secondary Schools. 3 Credit Hours.
Course is designed to assist general education teachers in meeting the needs of diverse secondary school students. Emphasis is placed on language and culture in the classroom, as well as students with disabilities.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 207. American Sign Language II. 3 Credit Hours.
This course is designed to allow participants to learn about Deaf Culture and be able to sign with sufficient fluency to discuss work, social, and family topics using four to six sentence responses. Students will be able to independently participate in a signed conversation without the use of voicing.
Prerequisite: TAL 107.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 305. Classroom and Behavior Management. 3 Credit Hours.
The principles of behavior analysis and classroom management strategies, both preventative and problem solving. Special emphasis includes effective communication with students, parents and other stakeholders; meeting the needs of all learners based on individual differences, cultural and linguistic diversity; knowledge of research-based strategies that support intellectual, personal and social well-being and development of all students; planning and conducting lessons in a safe, efficient and supportive learning environment. Field experience required.
Corequisite: TAL 306.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 306. Field Experience Seminar I. 0 Credit Hours.
This hybrid zero credit course has been designed to provide additional support for students in our teacher preparation programs. Students will enroll in this course while they participate in a series of field experiences where they gain practical experience integrating theory and practice while working with students in K-12 settings. Major topics include: the Florida Educator Accomplished Practices, Live Text, and guidelines and procedures. Co-requisite TAL 305.
Corequisite: TAL 305.
Components: LEC.
Grading: CNC.
Typically Offered: Fall & Spring.

TAL 308. Language Development for Linguistically and Culturally Diverse Children. 3 Credit Hours.
Course provides an introduction to theories of linguistics as well as first and second language acquisition. Readings and lectures serve to highlight the development of language and language challenges faced by students for whom Standard English is a second language and/or a second dialect. Theories of linguistics are used to identify, explain and assess literacy challenges. Field experience required. This course counts as one of two required stand-alone ESOL courses.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 322. Mathematics Instruction in the Elementary School. 3 Credit Hours.
Principles and practices in the teaching of elementary school mathematics. Attention is paid to infusion of technology, linguistic and cultural diversity, students with exceptionalities, and the origins of gender bias. Field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 323. Science Instruction in the Elementary School. 3 Credit Hours.
Principles and practices in the teaching of elementary school science and social studies. Attention is paid to infusion of technology, linguistic and cultural diversity, students with exceptionalities, and the origins of gender bias. Field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 324. Education and the Arts. 3 Credit Hours.
Exploration of the fine and performing arts and their relation to Pre-K to 12 education. Emphasis is placed on experiential learning and methods of incorporating the arts in school curricula. The course also includes a focus on the value of the arts to the individual and society.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 330. Introduction to the Education of Exceptional Individuals. 3 Credit Hours.
A survey course providing a general orientation to Exceptional Individual Education as an integral part of the general education structure. Includes an introduction to appropriate educational programs for exceptional individuals.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 332. Assessment of Exceptional Students. 3 Credit Hours.
“Assessment in Exceptional Student Education: A survey of assessment instruments used to classify, assess and evaluate exceptional students in inclusive and special education settings. Advanced written, digital, and oral communication proficiencies, to include research and report-writing as well as oral presentation skills, are emphasized in this course.”
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 360. The Teacher in American Society. 3 Credit Hours.
This course focuses on the historical development of teaching in the US, contemporary educational reform and social change, issues involving teacher work, the impact of technology on schooling, ethical and legal issues in teaching, topics involving Race, Gender Social Class and Equity. Popular Culture sources are emphasized in the course’s content.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 370. POP CULTURE AND EDUCATION. 3 Credit Hours.
This course examines how popular culture influences and is influenced by the work and culture of schools. In examining artifacts and trends in popular culture today and the past, the forms of popular culture we will analyze will include: motion pictures, television programs, mainstream news, music, books, magazines, zines, fashion, web-based content, graffiti, tattoos, street art, mobile communication, video games, social networking, and more.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 390. Topics in Education. 3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course titles and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topic.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 404. Content Area Literacy in the Secondary Classroom. 3 Credit Hours.
“Essentials of literacy instruction in various subject areas for middle, junior and senior high schools; instructional methods and materials for development of reading, writing and study strategies. Emphasis is also placed on selecting appropriate materials, motivating students, and helping students with exceptional needs and students who are English Language Learners.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 420. Introduction to Literacy, Assessment, and Instruction in Elementary School. 3 Credit Hours.
Multidisciplinary survey of reading and writing acquisition in the elementary school. Assessment and instruction in the major components of reading: phonological awareness, word identification and phonics, fluency, vocabulary, and comprehension.
Corequisite: TAL 421.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 421. Language Arts And Social Studies In The Elementary School. 3 Credit Hours.
Addresses Language Arts competencies in reading, writing, listening, speaking, viewing and visual literacy, following state/national standards. Research based strategies and approaches for teaching content areas, with a focus on Social Studies competencies, are modeled and integrated through Social Studies content and literature. Field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 422. Mathematics Instruction in the Elementary School. 3 Credit Hours.
Principles and practices in the teaching of elementary-school mathematics. Attention is paid to infusion of technology, linguistic and cultural diversity, students with exceptionalities, and the origins of gender bias. Field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 425. Inclusive Classrooms in the Elementary School. 3 Credit Hours.
The course prepares elementary school teachers to meet the individual needs of students with exceptionalities who have been integrated into the general education classroom. Field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 426. Practicum in Reading. 3 Credit Hours.
Supervised practicum in reading and writing. Emphasis is on assessment and interventions for elementary students with a range of academic, linguistic and cultural challenges in becoming proficient readers. This course is a designated Upper Level Communications Requirement; advanced written digital and/or oral communication proficiencies will be emphasized in this course. Prerequisite: TAL 420.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 428. ESOL Curriculum and Methods and Assessments. 3 Credit Hours.
The course addresses the application of TESOL theories, principles, and current research to the use of curriculum, methods, and assessment. In doing so, the course focuses on an understanding of the differences between curriculum, methods, and assessment designed for children who are native speakers of Standard English and those designed for ESOL. Specific TESOL modifications appropriate for content areas are also addressed. Field experience required. This course counts as the second of two required ESOL specific courses. Prerequisite: TAL 308. Corequisite: TAL 429.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 429. Field Experience Seminar II. 0 Credit Hours.
This hybrid zero credit course has been designed to provide additional support for students in our teacher preparation programs. Students will enroll in this course while they participate in a series of field experiences where they gain practical experience integrating theory and practice while working with students in K-12 settings. Major topics include: the Florida Educator Accomplished Practices, Live Text, and guidelines and procedures. Co-requisite: TAL 428 for students in programs that lead to Florida Educator Accomplished Practices, Live Text, and guidelines and procedures. Prerequisite: TAL 428. Corequisite: TAL 429.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 432. Inclusive Models Of Teaching. 3 Credit Hours.
This course focuses on models of inclusion and the educational roles to support student success in inclusive settings. Topics addressed include: differentiated staffing patterns; working as a member of a team; successful collaborative practices; effective communication; understanding of varied cultural backgrounds; strategies for facilitating successful inclusion including differentiation of instruction and application of principles of Universal Design for Learning (UDL); co-teaching; strategies for working effectively with students, families, parents, guardians, administrators, general education teachers, paraprofessionals and other professionals, including students, families, and team members; and creating school partnerships.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall.

TAL 434. Specialized Instructional Strategies/Transition. 3 Credit Hours.
This course focuses on evidence-based interventions and models of support for students with disabilities in K – 12 settings and strategies for preparing students for transition from school. Topics addressed include: strategies for using Assistive Technology effectively; strategies for enhancing self-advocacy and self-determination for students with disabilities; strategies for enhancing family involvement in career development and post school employment; transition services and models; preparing students with disabilities for employment and post-secondary education; residential alternatives; recreation and leisure for students with disabilities.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall.

TAL 444. Instruction in Secondary Science. 2-3 Credit Hours.
Analysis of methods, materials, and content appropriate for teaching science in the secondary school.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall.

TAL 470. Student Teaching In The Elementary School. 9 Credit Hours.
A comprehensive semester-long program in observation and supervised teaching in the elementary school. The student spends full time in an elementary school participating in all activities of the teacher under the guidance of school and university personnel.
Components: PRA.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 471. Student Teaching in the Elementary Schools for K-12 Areas. 3-6 Credit Hours.
A comprehensive program in observation and supervised teaching in the elementary school. The student spends full-time for one half a semester in an elementary school, participating in all activities of the teacher under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 473. Associate Teaching in the Secondary School for K-12 Areas. 3-6 Credit Hours.
A comprehensive program in observation and supervised teaching in the secondary school. The student spends full time for one half a semester in a secondary school, participating in all activities of the teacher under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.

TAL 480. Seminar On Teaching. 3 Credit Hours.
The seminar is designed to support teacher candidates during the associate teaching experience. Students receive support and assistance in completing Florida Educator Accomplished Practices (FEAP) electronic portfolios. Students share, reflect, and discuss their daily experiences in class during culminating experience in the field.
Components: LEC.
Grading: GRD.
 Typically Offered: Fall & Spring.
TAL 491. Applied Research in Education. 3 Credit Hours.
Introduction to basic research methods, ethics in education research, and the implications of research on the practice of teaching. Assist a TAL faculty member with a research project.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 493. Online Teaching & Leadership. 3 Credit Hours.
Introduction to teaching-learning process in online learning environments, including asynchronous modalities, assessment and evaluation, technology and digital copyright usage.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 495. Individual Study. 1-3 Credit Hours.
Individual work on a special project under faculty guidance. Application for Admission to Advanced Individual Study will be required.
Components: THI.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 496. Undergraduate Research Honors. 1-3 Credit Hours.
Individual work on a special project under faculty guidance. Application for Admission to Advanced Individual Study will be required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 501. Classroom Based Assessment. 1-3 Credit Hours.
Principles and classroom applications of educational measurement and assessment.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 502. Classroom Based Research. 3 Credit Hours.
Application of research principles to evaluation and improvement of teacher effectiveness. Use of scientific methods in problem solving and decision making in the classroom. Student experiences in the planning, conduct, analysis and reporting of classroom research are included.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 503. Technology Applications in Education. 3 Credit Hours.
Technology and its role in transforming teaching and learning; core academic-curriculum literacy; and education social systems.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 504. Building Positive Relationships in Inclusive Secondary Schools. 3 Credit Hours.
Designed to assist general education teachers in meeting the needs of diverse secondary school students. Focus on students with disabilities, language and culture in the classroom, and developing culturally competent classroom management methods.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 506. Issues and Strategies for ESOL. 3 Credit Hours.
This course provides a comprehensive foundation in ESOL (English for Speakers of Other Languages) competencies based on Florida's mandates and TESOL standards. Theory and practice will be emphasized in the areas of applied linguistics, cross cultural communication and understanding, methods of teaching, assessment, and curriculum and material development.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 508. Language Development for Linguistically and Culturally Diverse Students. 3 Credit Hours.
Course will provide an introduction to theories of linguistics, first and second language acquisition, as well as foundations of English learner education. Readings and lectures will serve to highlight the development of language and literacy, including challenges faced by students for whom Standard English is a second language and/or a second dialect. This course will be the first in a two- course ESOL sequence.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 517. Curriculum, Assessment, Teaching and Learning for Physical Science. 3 Credit Hours.
Analysis of content knowledge, pedagogy, and materials appropriate for teaching physical science in the elementary school. The course content focuses on instructional practice with an emphasis on developing teacher content knowledge in physical science, pedagogy, student literacy in physical science.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 518. Curriculum, Assessment, Teaching and Learning for Number, Operations, and Algebra. 3 Credit Hours.
This course examines topics that address the mathematical ideas underlying number, operations and algebra. Related curriculum, instructional and assessment issues will be also discussed.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 520. Curriculum, Assessment, Teaching and Learning for Measurement and Geometry. 3 Credit Hours.
Topics involving measurement and geometry in the K-16 mathematics curriculum, how students learn and reason, assessment, instructional strategies.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 521. Curriculum, Assessment, Teaching and Learning for the Life Sciences. 3 Credit Hours.
Analysis of content knowledge, pedagogy, and materials appropriate for teaching life science in the elementary school. The course content focuses on instructional practice with an emphasis on developing teacher content knowledge in life science, pedagogy, and student literacy in life science.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 522. Curriculum, Assessment, Teaching and Learning in the Earth Sciences. 3 Credit Hours.
Analysis of content knowledge, pedagogy, and materials appropriate for teaching Earth science in the elementary school. The course content focuses on instructional practice with an emphasis on developing teacher content knowledge in Earth science, pedagogy, and student literacy in life science.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 523. Curriculum, Assessment, Teaching and Learning for Data Analysis and Probability. 3 Credit Hours.
Data in the elementary school: how to gather (biased and unbiased samples), store, manage, represent, analyze. Probabilistic inferences in elementary school: chance, odds, counting, related topics.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 524. Education and the Arts. 3 Credit Hours.
Exploration of the fine and performing arts and their relation to PreK-12 education. Emphasis is placed on experiential learning and methods of incorporating the arts in school curricula. The course also includes a focus on the value of the arts to the individual and society.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 526. Practicum in Reading. 3 Credit Hours.
Supervised practicum in reading and writing. Emphasis is on assessment and interventions for elementary students with a range of academic, linguistic and cultural challenges in becoming proficient readers.
Components: PRA.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 527. Language and Assessment in ESOL. 3 Credit Hours.
Study of language systems with a focus on understanding and applying linguistic terms. Course prepares teachers to conduct informal and formal assessment procedures with English language learners. Field experience with English language learners is required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 528. ESOL Curriculum, Methods, and Assessment. 3 Credit Hours.
This course focuses on applying TESOL theories, principles, and current research to the development and use of instructional materials, curriculum, and methods. The course will enhance participant's knowledge of the regular English language arts curriculum in comparison with the ESOL curriculum.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 531. Educating Exceptional Students. 3 Credit Hours.
A survey course in special education emphasizing characteristics and problems associated with various categories of exceptional learners. Policy, issues, and trends in special education will be discussed.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 540. Instruction and Assessment in the Secondary Shcool. 3 Credit Hours.
Research-based instructional processes in the secondary school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 541. Instruction in Secondary English. 2-3 Credit Hours.
Analysis of methods, materials, and content appropriate for teaching language arts in the secondary school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 542. Instruction In Secondary Mathematics. 1-3 Credit Hours.
Analysis of methods, materials, and content appropriate for teaching mathematics in the secondary school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 543. Instruction In Secondary Science. 1-3 Credit Hours.
Analysis of methods, materials, and content appropriate for teaching science in the secondary school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 544. Instruction In Secondary Social Studies. 1-3 Credit Hours.
Analysis of methods, materials, and content appropriate for teaching the social sciences in the secondary school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 545. Methods Of Teaching In The Elementary School. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 550. Language and Early Reading Instruction. 3 Credit Hours.
Factors related to emergent literacy with an emphasis on diverse aspects of language that influence literacy and learning; development of emergent literacy and word perception; emergent literacy curriculum development; appropriate assessment and instructional techniques. Understanding of reading as a process of student engagement in fluent decoding and construction of meaning. Writing intensive.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 552. Reading Comprehension. 3 Credit Hours.
Development of comprehension, rate, and study skills; reading in the content areas; evaluation of materials, organization of programs; issues, problems, and exceptional readers. Emphasis is placed on understanding reading as a process of student engagement in fluent decoding of words and construction of meaning.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.
TAL 553. Mentoring and Internship in Classroom Teaching. 3-6 Credit Hours.
A comprehensive program of supervised teaching in elementary or secondary classrooms.
Components: LEC.
Grading: SUS.
Typically Offered: Fall & Spring.

TAL 554. Literacy and Learning Strategies in the Content Area. 3 Credit Hours.
Literacy instruction in content areas for grades 6 through 12; instructional methods and materials for development of language arts, reading, and study skills. Emphasis on appropriate materials, motivation, and support for students with exceptional needs and English language learners.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 557. Exceptional Student Education and Classroom Management. 1-5 Credit Hours.
Introduction to theories and methods of effective classroom management and learning environments, perceptions of disabilities, addressing disruptive behaviors in classrooms and behavioral assessment.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 568. Education Reform, Policy And The Social Organization Of Schooling. 3 Credit Hours.
This course is designed to introduce students to the politics and policy debates in American education, including how the U.S. K-12 public education is organized as a socially-constructed system. We will examine the politics of a variety of recent reforms at the local, federal and state levels and their impact on institutions, students and the public.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 569. Teaching and Management for Diverse Classrooms. 3 Credit Hours.
This course will emphasize building a classroom culture and community that meets the needs of all students, including learners with disabilities and learners with culturally and linguistically diverse backgrounds. A history of major legal requirements for diverse populations is examined, including the meaning of learning differences, definitions and causes of disabilities, language acquisition processes, and methods for teaching diverse populations. An introduction to theories and methods of effective classroom management for building learning communities is integrated throughout the course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 570. Student Teaching In The Elementary School. 9 Credit Hours.
A comprehensive semester-long program in observation and supervised teaching in the elementary school. The student spends full-time in an elementary school participating in all activities of the teacher under the guidance of school and university personnel.
Corequisite: TAL 580.
Components: PRA.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 572. Student Teaching in the Secondary School.. 6-9 Credit Hours.
A comprehensive program in observation and supervised teaching in the secondary school. The student spends full-time in a secondary school participating in all activities of the teacher under the guidance of school and university personnel.
Corequisite: TAL 580.
Components: PRA.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 577. Human Development, Learning and Schooling. 3 Credit Hours.
Major theories of child development and learning will be discussed with a focus on how they apply to teaching and learning in K-12 schools.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 580. Seminar on Teaching. 1-3 Credit Hours.
Topical seminar to accompany associate teaching
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 584. Topics in the Professional Development and Supervision of Teachers.. 3 Credit Hours.
Topics include the preparation of clinical teachers to induct, guide, and supervise the field experiences of students and associate teachers; techniques in the observation and supervision of in-service teachers; creation and implementation of professional development plans; reading in the research on teacher development across the career.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.
TAL 590. Topics in Education. 3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topic.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 591. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 592. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 593. Online Teaching and Leadership. 3 Credit Hours.
Introduction to teaching-learning process in online learning environments, including asynchronous modalities, assessment and evaluation, technology and digital copyright usage.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 594. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 595. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 596. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 597. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 598. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 599. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 600. Topics in Education. 3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topic.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 601. Classroom Based Assessment. 1-3 Credit Hours.
Principles and classroom applications of educational measurement and assessment.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 602. Instructional Leadership. 3 Credit Hours.
An examination of the components of effective supervision of instruction. Leadership theories which apply to educational settings; legal rights and responsibilities of students, teachers and administrators will be covered. As well as the examination of various models of teaching.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 603. Technology Applications in Education. 3 Credit Hours.
Technology and its role in transforming teaching and learning; core academic-curriculum literacy; and education social systems.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 604. Building Positive Relationships in Inclusive Secondary Schools. 3 Credit Hours.
Designed to assist general education teachers in meeting the needs of diverse secondary school students. Focus on students with disabilities, language and culture in the classroom, and developing culturally competent classroom management methods.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 605. Mentoring and Internship in Classroom Teaching. 3-6 Credit Hours.
A comprehensive program of supervised teaching in elementary or secondary class rooms.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 606. Issues and Strategies for ESOL. 3 Credit Hours.
This course provides a comprehensive foundation in ESOL (English for Speakers of Other Languages) competencies based on Florida's mandates and TESOL standards. Theory and practice will be emphasized in the areas of applied linguistics, cross cultural communication and understanding, methods of teaching, assessment, and curriculum and material development.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 607. Instructional Leadership. 3 Credit Hours.
An examination of the components of effective supervision of instruction. Leadership theories which apply to educational settings; legal rights and responsibilities of students, teachers and administrators will be covered. As well as the examination of various models of teaching.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 608. Language Development for Linguistically and Culturally Diverse Students. 3 Credit Hours.
Course will provide an introduction to theories of linguistics, first and second language acquisition, as well as foundations of English learner education. Readings and lectures will serve to highlight the development of language and literacy, including challenges faced by students for whom Standard English is a second language and/or a second dialect. This course will be the first in a two- course ESOL sequence.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.
TAL 609. Practicum in Reading. 3 Credit Hours.
Supervised practicum in reading and writing. Emphasis is on assessment and interventions for elementary students with a range of academic, linguistic and cultural challenges in becoming proficient readers.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 610. Literacy and Learning Strategies in the Content Area. 3 Credit Hours.
Literacy instruction in content areas for grades 6 through 12; instructional methods and materials for development of language arts, reading, and study skills. Emphasis on appropriate materials, motivation, and support for students with exceptional needs and English language learners.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 611. Topics in the Professional Development and Supervision of Teachers. 3 Credit Hours.
Topics include the preparation of clinical teachers to induct, guide, and supervise the field experiences of students and associate teachers; techniques in the observation and supervision of in-service teachers; creation and implementation of professional development plans; reading in the research on teacher development across the career.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 612. Classroom and Behavior Management. 3 Credit Hours.
An examination of the principles of various theoretical perspectives of classroom management and discipline. Applications to the management of behavior problems of children and adolescents. Contemporary research analyzed and discussed. Writing intensive course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 613. Prescriptive Teaching of Exceptional Students. 3 Credit Hours.
Techniques for individualization of instruction for exceptional students, including educational prescription, and curriculum adaptation.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 614. Assessment in Exceptional Student Education. 3 Credit Hours.
Administration and interpretation of assessment tools used to assess and evaluate reading and learning difficulties; includes a survey of instructional strategies and materials for the prevention and remediation of reading difficulties based on the results of the assessments.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 615. Reading in the Elementary School. 3 Credit Hours.
Extending competencies in teaching reading, including exceptional children in the regular classroom, with emphasis on applying findings from research in reading to classroom practices. 20 hours of field experience required for all students who are not currently teaching.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

TAL 616. Mathematics in the Elementary School. 3 Credit Hours.
Content, methods, and research appropriate for teaching mathematics in the elementary school, including exceptional children in the regular classroom. Content is defined as a pre-algebra mathematics. 20 hours of field experience required for all students who are not currently teaching. Writing intensive course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 617. Science in the Elementary School. 3 Credit Hours.
Extending competencies of elementary school teachers in teaching science to children, including exceptional children in the regular classroom. Development of science programs based on research which has classroom applications. 20 hours of field experience required for all students who are not currently teaching.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

TAL 618. Social Studies in the Elementary School. 3 Credit Hours.
Extending competencies in teaching social studies to children, including exceptional children in the regular classroom, with an emphasis on research applications. 20 hours of field experience required for all students who are not currently teaching.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 619. Exceptional Student Education and Classroom Management. 1-5 Credit Hours.
Introduction to theories and methods of effective classroom management and learning environments, perceptions of disabilities, addressing disruptive behaviors in classrooms and behavioral assessment.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 620. Teaching and Management for Diverse Classrooms. 3 Credit Hours.
This course will emphasize building a classroom culture and community that meets the needs of all students, including learners with disabilities and learners with culturally and linguistically diverse backgrounds. A history of major legal requirements for diverse populations is examined, including the meaning of learning differences, definitions and causes of disabilities, language acquisition processes, and methods for teaching diverse populations. An introduction to theories and methods of effective classroom management for building learning communities is integrated throughout the course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 621. Student Teaching In The Elementary School. 9 Credit Hours.
A comprehensive semester-long program in observation and supervised teaching in the elementary school. The student spends full-time in an elementary school participating in all activities of the teacher under the guidance of school and university personnel.
Components: PRA.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 622. Student Teaching in the Secondary School. 6-9 Credit Hours.
A comprehensive program in observation and supervised teaching in the secondary school. The student spends full-time in a secondary school participating in all activities of the teacher under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 623. Seminar on Teaching. 1-3 Credit Hours.
Topical seminar to accompany associate teaching
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 624. Education and the Arts. 3 Credit Hours.
Exploration of the fine and performing arts and their relation to PreK-12 education. Emphasis is placed on experiential learning and methods of incorporating the arts in school curricula. The course also includes a focus on the value of the arts to the individual and society.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 625. Online Teaching and Leadership. 3 Credit Hours.
Introduction to teaching-learning process in online learning environments, including asynchronous modalities, assessment and evaluation, technology and digital copyright usage.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 626. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 627. Understanding Culture in the Classroom. 3 Credit Hours.
This course explores the conflicts and the strategies for resolution between the patterns of culture in the classroom and the patterns of culture that school children bring to the classroom - patterns which are learned in their families and communities.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 628. Internship in Special Education Settings. 3-6 Credit Hours.
A comprehensive program of supervised teaching in special education settings. The student spends two full semesters employed as a full-time teacher while under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 629. Educating Exceptional Students. 3 Credit Hours.
A survey course in special education emphasizing characteristics and problems associated with various categories of exceptional learners. Policy, issues, and trends in special education will be discussed.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 630. Instructing Students Who Have Literacy Challenges. 3 Credit Hours.
Administration and interpretation of instructional assessments with instructional strategies and materials based upon scientifically based reading research for the prevention and remediation of reading difficulties.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 631. Assessment of Reading and Related Learning Disabilities. 3 Credit Hours.
Theories and procedures for screening, diagnosis, and progress-monitoring of reading and related learning disabilities. Includes instruction and supervised clinical experiences in administration and interpretation of assessments with an emphasis on prevention, identification, and remediation of reading and related learning disabilities.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 632. Intervention for Reading and Related Learning Disabilities. 3 Credit Hours.
Theories and procedures for screening, diagnosis, and progress-monitoring of reading and related learning disabilities. Includes instruction and supervised clinical experiences in administration and interpretation of assessments with an emphasis on prevention, identification, and intervention of reading and related learning disabilities.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 633. Reading Comprehension. 3 Credit Hours.
Development of comprehension, rate, and study skills; reading in the content areas; evaluation of materials, organization of programs; issues, problems, and exceptional readers. Emphasis is placed on understanding reading as a process of student engagement in fluent decoding of words and construction of meaning.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 634. Language and Reading Instruction. 3 Credit Hours.
Extending competencies of K-12 school teachers in teaching reading to children, including exceptional children in the regular classroom. Emphasis on applying findings from research in reading and writing to classroom practices.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 638. Language Arts and Culture in the Classroom. 3 Credit Hours.
Extending competencies in the language arts including linguistic and
cultural diversity and children with disabilities in elementary classrooms.
Emphasis on research applications. 20 hours of field experience required
for all students who are not currently teaching. Writing intensive course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 640. Typical and Atypical Child Development. 3 Credit Hours.
Theories and research in the development of children from conception
through eight years of age. Factors which influence development and the
relationship of typical development to patterns of delayed and atypical
development. Writing intensive course.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 641. Working with Families of Young Children with Disabilities:
Strategies and Medical Issues. 3 Credit Hours.
This course will address issues related to working with families of
young children with special educational and health needs. This will
include strategies for effective communication and collaboration with all
members of the interdisciplinary team. This is a writing intensive course.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 642. Evaluation and Assessment in Infant and Early Childhood
Special. 3 Credit Hours.
Students will become familiar with a variety of formal and informal
screening, evaluation, assessment instruments, and procedures currently
in use with children birth to eight. They will learn criteria for selecting
and using developmentally and culturally appropriate instruments
and become familiar with the multi-, inter-, and trans-disciplinary team
approaches. Students will write formal reports and develop an IEP and an
IFSP. May require field experience.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 643. Intervention Strategies in Infant and Early Childhood Special
Education. 3 Credit Hours.
The focus of this course will be the implementation of IEPs and IFSPs
through the use of developmentally appropriate curriculum, methods,
and intervention strategies for infants, toddlers, and young children
with special needs. This will include implementation and adaptation of
existing curriculum and materials for young children to meet the special
needs of this population. May require field experience. Writing Intensive
course.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 644. Early Childhood Curriculum Development. 3 Credit Hours.
Development of curriculum for children from birth to eight years of
age. Emphasis on application of research findings. 20 hours of field
experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

TAL 645. Methods for Communications and Language in Young Children
with Disabilities. 3 Credit Hours.
This course will focus on language theories, models, and methods for
birth-eight year olds. The course will present an overview of normal
development in communication and discuss conditions that might
impede progress as well as signs that would suggest a problem is
present. This course may require field experience.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 646. Working with Children who Exhibit Challenging Behaviors. 3
Credit Hours.
Challenging behaviors in young children; influences of culture, language,
ethnicity; applying Response to Intervention in Preschool settings;
evidence-based classroom and behavior management strategies;
planning intensive individualized interventions; applying positive
behavioral support.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 647. Language and Early Reading Instruction. 3 Credit Hours.
Factors related to emergent literacy with an emphasis on diverse
aspects of language that influence literacy and learning; development
of emergent literacy and word perception; emergent literacy curriculum
development; appropriate assessment and instructional techniques.
Understanding of reading as a process of student engagement in fluent
decoding and construction of meaning. Writing intensive.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

TAL 648. Practicum/Internship with Infants and Toddlers with Disabilities
(0-3 yrs.). 1-6 Credit Hours.
A comprehensive program in observations and supervised teaching in
a school/center for infants and toddlers with disabilities (0-3 yrs.). The
student spends full time in the school/center participating in all activities
of the teacher under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 649. Practicum/Internship with Children with Disabilities (3-5 yrs.).
1-6 Credit Hours.
A comprehensive program in observation and supervised teaching in a
school/center for children with disabilities (3-5 yrs.). The student spends full time in the school/center participating in all activities of the teacher under the guidance of school and university personnel.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 650. Literature for Children and Adolescents.. 3 Credit Hours.
Study of literature for children and adolescents emphasizing multicultural
literature and use of literature across the curriculum. Twenty hours of
field experience required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.
TAL 659. Practicum in Education and Social Change. 3 Credit Hours.  
This practicum course is the culminating project for the Education and Social Change Master's Program. Participants will review the literature, design, and present an action project within the context of a school or community setting.  
Components: THI.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 660. Instruction and Assessment in the Secondary School. 3 Credit Hours.  
Research-based instructional processes in the secondary school.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 661. Instruction in Secondary English. 2-3 Credit Hours.  
Analysis of methods, materials, and content appropriate for teaching language arts in the secondary school.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall, Spring, & Summer.  

TAL 662. Instruction In Secondary Mathematics. 1-3 Credit Hours.  
Analysis of methods, materials, and content appropriate for teaching mathematics in the secondary school.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall, Spring, & Summer.  

TAL 663. Instruction In Secondary Science. 1-3 Credit Hours.  
Analysis of methods, materials, and content appropriate for teaching science in the secondary school.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall, Spring, & Summer.  

TAL 664. Instruction In Secondary Social Studies. 1-3 Credit Hours.  
Analysis of methods, materials, and content appropriate for teaching the social sciences in the secondary school.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall, Spring, & Summer.  

TAL 665. Methods Of Teaching In The Elementary School. 3 Credit Hours.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Offered by Announcement Only.  

TAL 666. Introduction To The Politics Of Education, Teaching, And Learning. 3 Credit Hours.  
Survey overview of political debates involving education as a nested and loosely-coupled system where pressures at one level can be supported or countermanded at another. Historical and critical take on present-day debates. Depending on student interests, may go in-depth on topics such as economic politics, cultural politics, state and local control.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall.  

TAL 667. Education Reform, Policy And The Social Organization Of Schooling. 3 Credit Hours.  
This course is designed to introduce students to the politics and policy debates in American education, including how the U.S. K-12 public education is organized as a socially-constructed system. We will examine the politics of a variety of recent reforms at the local, federal and state levels and their impact on institutions, students and the public.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall.  

TAL 668. Human Development, Learning and Schooling. 3 Credit Hours.  
Major theories of child development and learning will be discussed with a focus on how they apply to teaching and learning in K-12 schools.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 671. Curriculum, Assessment, Teaching and Learning for Physical Science. 3 Credit Hours.  
Analysis of content knowledge, pedagogy, and materials appropriate for teaching physical science in the elementary school. The course content focuses on instructional practice with an emphasis on developing teacher content knowledge in physical science, pedagogy, and student literacy in physical science.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 672. Curriculum, Assessment, Teaching and Learning for Number, Operations, and Algebra. 3 Credit Hours.  
This course examines topics that address the mathematical ideas underlying number, operations and algebra. Related curriculum, instructional and assessment issues will be also discussed.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 674. Internship in the Elementary School. 3-6 Credit Hours.  
A comprehensive program of supervised teaching in a K-6 classroom in the elementary school. The student spends a full semester employed as a full-time teacher while under the guidance of school and university personnel.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.  

TAL 675. Curriculum, Assessment, Teaching and Learning in the Earth Sciences. 3 Credit Hours.  
Analysis of content knowledge, pedagogy, and materials appropriate for teaching Earth science in the elementary school. The course content focuses on instructional practice with an emphasis on developing teacher content knowledge in Earth science, pedagogy, and student literacy in life science.  
Components: LEC.  
Grading: GRD.  
Typically Offered: Fall & Spring.
TAL 676. Curriculum, Assessment, Teaching and Learning for Data Analysis and Probability. 3 Credit Hours.
Data in the elementary school: how to gather (biased and unbiased samples), store, manage, represent, analyze. Probabilistic inferences in elementary school: chance, odds, counting, related topics.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 677. Diversity And Equity In Stem Education. 3 Credit Hours.
Issues of unequal student achievement, course taking, degree-seeking, and careers that rely on science, engineering, technology and mathematics (STEM). Focus is on social-demographic groups defined along lines of race, ethnicity, social class, gender language, and their interactions. Historical and social antecedents, current day policies and practices, extant research consequences and future trends.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 690. Topics in Education. 3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topic.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 691. Workshop in Education. 1-6 Credit Hours.
A critical study of practical problems of teachers. Significant problems are defined, literature and research are reviewed, and individual or small group projects are required.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 700. Professional Seminar. 3.00 Credit Hours.
The TAL Pro-seminar consists of a series of interactive sessions at which faculty, doctoral students, and guest speakers have the opportunity to discuss current topics in education research. Its purpose is to enhance the culture of scholarship and collegiality within the Department and to provide informal guidance to doctoral students on research and career directions in education.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 701. Teacher in American Society. 3 Credit Hours.
An historical, philosophical, and sociological analysis of the teaching profession in American society. The role and status of teachers in American culture will be discussed. Contemporary issues such as the union movement, status assignment, rewards and incentives, and the role of the teacher as an instrument in the definition of the culture will also be covered.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 702. The Social and Cultural Foundation of Education. 3 Credit Hours.
This course is an interdisciplinary seminar reviewing the major literature in the Social and Cultural Foundation of Education. Classic, Modern and Post-Modern texts will be read with an emphasis on the literature written after 1980 (Post-Modern). Emphasis will be placed on the exploration of key policy questions, as well as the analysis of key sociological concepts related to the field such as hegemony, cultural reproduction, social capital and privilege. The course is intended to provide a "baseline" for understanding the field.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 703. Issues and Trends in Multicultural Education. 3-6 Credit Hours.
The study and critical examination of the theory and practice of multicultural education. Development of a personal theory of effective education for pluralism is included.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 720. Research in Residence - Masters. 1 Credit Hour.
Masters-degree and Ed.S. students enrolled for credit as determined by advisor. Credit awarded when thesis is accepted.
Components: THI.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 730. Topics in Language and Literacy Learning. 1-3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 731. Language Policy And Planning (K-12). 3 Credit Hours.
The course focuses on the areas that have been of particular interest to sociolinguists and language planners, namely, status planning, corpus planning, prestige planning, language-in-education planning, the language rights of linguistic minorities and the more recent movements from macro issues on language policy and planning (LPP) to micro issues involved in indexing linguistic, ethnic and racial identities. In addition, the course will address matters of migration, imperialism, state formation and political conflicts due to LPP in the United States as well as in countries in Latin America, the Caribbean, Africa, Asia and Europe.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 732. Seminar in Reading. 3 Credit Hours.
Seminar providing intensive study of contemporary topics in reading. Open to advanced graduate students in reading.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 733. Applied Linguistics. 3 Credit Hours.
In-depth study of phonology, morphology, syntax, semantics and pragmatics of spoken and written discourse and the application to second language acquisition theories. Issues of nonstandard dialects and creoles as well as their impact on literacy challenges will be discussed. Globalization of English and linguistic imperialism will be addressed.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 734. Theory And Research In Reading. 3 Credit Hours.
This course explores the intellectual roots of theories of reading and how these are used to generate testable research hypotheses about linguistic, psychological, social, and cultural factors that influence and sustain reading development and reading performance. The course surveys works that have influenced research and theory in the field of reading from its inception in the early 1900's – through the work of experimental psychologists such as Huey – to present times. The readings and lectures will include work that represents the influence of the intellectual traditions of the introspectionists, behaviorism, cognitive psychology, constructionism, socio-cultural theory, and cognitive neuroscience.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 735. Theory And Research In Writing. 3 Credit Hours.
Seminar that explores the complementary relationship between reading and writing through the reading and analysis of theoretical and research literature on writing theory and writing instruction.
Components: PRA.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 752. Seminar in Reading/Learning Disabilities. 3-12 Credit Hours.
Contemporary topics in reading and learning disabilities. Rotating topics and faculty. Open only to advanced graduate students in reading and learning disabilities pursuing specialist or doctoral degrees. Specialist students enroll for a total of six hours, and doctoral students for a total of 12 hours. Course may be repeated for a total of 12 credits. Subtitles describing the topics to be offered will be shown in parentheses in the printed schedule, following the title.
Components: SEM.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 753. Cognitive Psychology In Special Education. 3 Credit Hours.
Learn about different cognitive theorists and discuss various theoretical positions as to their strengths and weaknesses within and across theories. Address theory refinement over time and the application of theory to research practice. Review literature in a systematic manner and write an integrated and purposeful review of research. Develop a research proposal that is theory-based. Participate in the peer review process.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 754. Disability And Diversity: Critical Views. 3 Credit Hours.
Examines critical issues in the cultural/historical conceptualization of the field of special education against the background of cross-cultural views of disabilities.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 755. Current Issues In Special Education. 3 Credit Hours.
Current issues and trends in special education from historical, societal, policy, practice and research perspectives. Topics may include identification, referral and eligibility; inclusion and Least Restrictive Environment; parent involvement; participation of students with disabilities in high-stakes testing; cultural/linguistic diversity; the disproportionate placement of minorities; and teacher qualifications, certification and education.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 756. Research in Special Education. 3 Credit Hours.
Critical analysis of empirical research studies in selected areas of special education research, focusing on research designs, data analysis methods, and interpretation of findings.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 757. Seminar in Special Education. 3-12 Credit Hours.
Study in special interest areas in special education. May be taken for up to 12 credits.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

TAL 758. Topics in Special Education. 1-3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing in important educational issues for which format course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topics.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 770. Topics In Stem Education. 1-3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which format course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topics.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 772. Instructional Design and Technology in STEM Education. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
TAL 773. Stem Teaching And Teacher Education. 3 Credit Hours.
Advanced and specialized topics in research on the teaching and learning of science, technology, engineering and mathematics (STEM) including the development of teachers across their careers, professional development, design experiments, and teacher-learning in and out of school.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 774. Stem Learning. 3 Credit Hours.
Provides an overview of the historical roots and current state of the learning sciences, as they apply to the study of learning in science, technology, engineering and mathematics (STEM). Organized around reading, discussion and synthesis of research.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 775. Stem Curriculum And Policy. 3 Credit Hours.
Study of mathematics and science curricula, with the inclusion of engineering and technology as applied science and mathematics. Study of the competing forces that shape curriculum including standards documents, state and national policy, conceptions of the disciplines, modern and postmodern analyses of curriculum theory.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 776. Assessment In Stem Education. 3 Credit Hours.
Overview of the theoretical and research frameworks for student assessment in science, technology, engineering and mathematics (STEM). Topics include classroom-based assessment, testing for high stakes and other purposes, national and international comparisons in mathematics and science achievement and factors impacting on STEM-related persistence and careers.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 777. Stem-Education Research Practicum. 3 Credit Hours.
Defining an empirical or theoretical research issue, arguing for its importance; framing the study based on related research; designing, implementing and documenting appropriate research methods; reporting and interpreting the results; writing and submitting a manuscript – in the fields that comprise STEM-education.
Components: PRA.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 790. Advance Topics in Education. 1-3 Credit Hours.
Review of emerging policy, practice, empirical research and scholarly writing on important educational issues for which formal course title and syllabus have not been developed and formalized in the UM Bulletin. Allows for experimental instructional formats. Course number indicates appropriate student audience. See Course Notes for specific topic.
Components: SEM.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 793. Advanced Individual Study. 1-3 Credit Hours.
Individual work on a special project under faculty guidance. Application for Ad mission to Advanced Individual Study form will be required.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 794. Advanced Individual Study. 1-3 Credit Hours.
Individual work on a special project under faculty guidance. Application for Ad mission to Advanced Individual Study form will be required.
Components: THI.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

TAL 796. Practicum/Internship: Elementary Exceptional Student Education Classroom. 1-6 Credit Hours.
A comprehensive program of observations and supervised teaching in an elementary exceptional student education classroom. The student spends full time in the classroom participating in all activities of the teacher under the guidance of school and university personnel.
Components: LAB.
Grading: GRD.
Typically Offered: Fall & Spring.

TAL 801. Advanced Individual Study for Doctoral Students. 1-3 Credit Hours.
Individual work on a special project under faculty guidance. Application for Ad mission to Advanced Individual Study form will be required.
Components: THI.
Grading: SUS.
Typically Offered: Fall & Spring.

TAL 810. Master's Thesis. 1-6 Credit Hours.
The student working on his/her master's or Ed.S. thesis enrolls for credit. In most departments no to exceed six, as determined by his/her advisor. Credit is not awarded until the thesis has been accepted.
Components: THI.
Grading: SUS.
Typically Offered: Fall & Spring.

TAL 815. Post-Candidacy Thesis Research. 1-12 Credit Hours.
Masters-degree and Ed.S. students enrolled for credit as determined by advisor. Credit awarded when thesis is accepted.
Components: THI.
Grading: SUS.
Typically Offered: Offered by Announcement Only.

TAL 825. Continuous Registration - Master's Study. 1 Credit Hour.
To establish residence for non-thesis master's study who are preparing for major examinations or working on culminating project. Credit not granted. Regarded as full time residence.
Components: THI.
Grading: SUS.

TAL 830. Pre-Candidacy to Dissertation Research. 1-12 Credit Hours.
Doctoral students enrolled for credit as determined by advisor. Credit is awarded when dissertation is accepted.
Components: THI.
Grading: SUS.
Typically Offered: Fall & Spring.
TAL 835. Doctor of Education Dissertation. 1-12 Credit Hours.
Required of all candidates for the Ed.D. The student enrolls for credit as
determined by his/her advisor. Credit is not awarded until the doctoral
project has been accepted. Total enrollment may not exceed 12 credits.
Components: LEC.
Grading: SUS.
Typically Offered: Offered by Announcement Only.

TAL 840. Post-Candidacy Dissertation Research.. 1-12 Credit Hours.
Doctoral students enrolled for credit as determined by advisor. Credit is
awarded when dissertation is accepted.
Components: THI.
Grading: SUS.
Typically Offered: Fall & Spring.

TAL 850. Research in Residence. 1 Credit Hour.
Doctoral students enrolled for credit as determined by advisor. Credit
awarded when dissertation is accepted.
Components: THI.
Grading: SUS.
Typically Offered: Fall, Spring, & Summer.

TAL 862. Principles of Curriculum Development and Classroom
Management for TESOL. 3 Credit Hours.
Components of curriculum and instructional management in ESOL
classrooms. Pupil/teacher interaction, curriculum organization, student
assessment and evaluation, materials development and adoption,
utilization of resources, and classroom organization will be covered.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

TAL 865. Language Assessment. 3 Credit Hours.
Nature and methodologies of language assessment within a framework
of psychometric and linguistic criteria.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.