TLPL - TEACHING AND LEARNING, POLICY AND LEADERSHIP

TLPL101 Inquiry Teaching of STEM in Elementary School (1 Credit)
Exploration of teaching science or mathematics as a career. Discussions include standards-based lesson design and various teaching strategies. Fieldwork consists of observing, planning and teaching inquiry-based lessons to students in grades three to six in local elementary schools.
Additional Information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three-hour block of time during the local elementary school operational hours from 7:45 am to 3:15 pm. A background check is required.

TLPL102 Inquiry Teaching of STEM in Middle School (2 Credits)
Second course in the Terrapin Teachers teacher preparation sequence. Students gain field experience and continue exploring teaching as a career by conducting teacher observations, and planning and implementing lessons in local, high-need middle school classrooms. Students work closely with UM master teachers to build upon the inquiry-based teaching practices developed in TLPL 101. Students work with mathematics and science curricula while attending to state and district standards, in order to develop and enact lessons that are responsive to students’ reasoning in math and science.
Prerequisite: Must have completed TLPL101.
Additional Information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three-hour block of time during the local middle school operational hours from 7:45 am to 3:15 pm. A background check is required.

TLPL200 Exploring Teaching as a Career (3 Credits)
Weekly participation as a volunteer tutor in a local school or community program with children or adolescents. Regular campus meetings assist with developing teaching skills and insight.
Credit Only Granted for: EDCI210 or TLPL200.
Formerly: EDCI210.

TLPL201 Tutoring: Helping Children Learn (1 Credit)
Experience as a tutor for individual or small groups of children or adolescents in local schools or community centers. Campus meetings assist in skill development.
Credit Only Granted for: EDCI211 or TLPL201.
Formerly: EDCI211.
Additional Information: Should not be taken concurrently with EDCI 210.

TLPL202 Good Stories: Teaching Narratives for Peace and Justice (3 Credits)
Through the study and use of oral storytelling and digital technologies explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.
Credit Only Granted for: EDCI246 or TLPL202.
Formerly: EDCI246.

TLPL204 Latino and Black Schooling: A History (3 Credits)
The historical, cultural, political and socio-economic factors that shape the school experience and achievement (Kindergarten - college) of Latinos and Blacks in the U.S.
Credit Only Granted for: EDCI286 or TLPL204.
Formerly: EDCI286.

TLPL250 Historical and Philosophical Perspectives on Education (3 Credits)
An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.
Credit Only Granted for: EDPS210 or TLPL250.
Formerly: EDPS210.

TLPL251 Introduction to Teaching (3 Credits)
An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component.
Credit Only Granted for: EDCI280 or TLPL251.
Formerly: EDCI280.

TLPL252 Students, Schooling, and Communities (3 Credits)
Facilitates pre-service teachers’ initial look at their personal backgrounds and the ways in which they view the world. Exploration of schools, students and their connections to communities. Draws on preservice teachers’ concurrent field experiences.
Corequisite: TLPL251.
Credit Only Granted for: EDCI297 or TLPL252.
Formerly: EDCI297.

TLPL288 Special Problems in Education (1-6 Credits)
Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership. Available only to freshmen and sophomore students who have definite plans for individual study of approved problems relative to their preparation for teaching.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.
Formerly: EDPS288.

TLPL298 Special Problems in Education (1-6 Credits)
Exploration of current problems in teaching, learning, policy and leadership. Available only to students who have definite plans for study of approved problems.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.
Repeatable to: 6 credits if content differs.
Formerly: EDCI298.

TLPL300 Digital Learning Tools and Communities (1 Credit)
An exploration of the digital tools available for elementary students and their teachers that enhance learning and help build classroom community. This hybrid course will prepare elementary teachers to incorporate instructional technology, digital learning resources, and social media in elementary classrooms.
Corequisite: TLPL418.
Restriction: Minimum cumulative GPA of 2.75; and must be in Elementary Education program.
Credit Only Granted for: EDCI385 or TLPL300.
Formerly: EDCI385.
TLPL312 Curriculum and Instruction in Elementary Education: Mathematics (3 Credits)
Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences.
Prerequisite: TLPL361.
Corequisite: EDCI362, EDCI342, TLPL321, and TLPL362.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI352 or TLPL312.
Formerly: EDCI352.

TLPL321 Curriculum and Instruction in Elementary Education: Science (3 Credits)
Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences.
Prerequisite: TLPL361.
Corequisite: TLPL312, EDCI362, EDCI342, and TLPL362.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI372 or TLPL321.
Formerly: EDCI372.

TLPL330 Disciplined-Based Art Education Methods I (3 Credits)
EDCI300 is designed to provide prospective art teachers with a knowledge base of the theories and best practices which are relevant to effective pedagogy as well as current art education goals and standards. This course focuses on understanding and using research-based teaching techniques and strategies in planning, teaching and evaluating instruction in the K-12 classroom. Emphasis is placed on principles of effective instruction, classroom management, multiculturalism, thinking/questioning/problem solving skills and adaptation/modification of instruction for diverse student populations. Students will be encouraged to explore their understandings and beliefs about teaching (pedagogy) and learning.
Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Secondary Edu: Art program.
Credit Only Granted for: EDCI300 or TLPL330.
Formerly: EDCI300.

TLPL331 Teaching Art in the Elementary School (3 Credits)
Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.
Restriction: Must not be in Secondary Edu: Art program. And must be in Elementary Education program; or must be in the Pre-elementary Education program.
Credit Only Granted for: EDCI301 or TLPL331.
Formerly: EDCI301.

TLPL332 Arts Integration in Elementary Classrooms (3 Credits)
An exploration of the theories and core practices associated with integrating the arts in ways that promote student learning in the core subjects.
Corequisite: TLPL362, EDCI362, TLPL361, and EDCI489.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: TLPL306 or TLPL332.
Formerly: TLPL306.

TLPL340 Introduction to Children's Literature and Critical Literacy (3 Credits)
Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.
Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.
Credit Only Granted for: EDCI443 or TLPL340.
Formerly: EDCI443.

TLPL360 Foundations of Education (3 Credits)
Social context of education and conflicts over philosophies, values, an goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.
Credit Only Granted for: EDPS301 or TLPL360.
Formerly: EDPS301.

TLPL361 Principles and Methods of Teaching in Elementary Schools (3 Credits)
Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.
Corequisite: EDCI322, EDCI362, TLPL306, and EDCI489.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI397 or TLPL361.
Formerly: EDCI397.

TLPL362 Curriculum and Instruction in Elementary Education: Social Studies (3 Credits)
Corequisite: EDCI362, TLPL361, EDCI489, and TLPL306.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI322 or TLPL362.
Formerly: EDCI322.
TLPL403 Teaching and Learning High School Mathematics (3 Credits)
Methods of teaching and assessing the high school mathematics curriculum; aligning tasks and activities to curriculum standards; lesson planning; and selection and use of technology. The course also focuses on managing large group dynamics in the high school mathematics classroom.
Prerequisite: Must have 2 semesters of calculus; or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Corequisite: EDCI455.
Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI457 or TLPL403.
Formerly: EDCI455.

TLPL411 Student Teaching in Secondary Schools: Mathematics (12 Credits)

TLPL413 Teaching and Learning Middle School Mathematics (3 Credits)
Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore TLPL413 students will be expected to travel to a local middle school for 8-10 of the class meetings.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI457 or TLPL413.
Formerly: EDCI457.

TLPL418 Teaching Residency (3-9 Credits)
An extended teaching internship in an Elementary Professional Development School. School placements to be arranged.
Prerequisite: Must have completed or be concurrently enrolled in TLPL352, TLPL363, TLPL372, TLPL415.
Restriction: Restricted to Elementary Education majors with permission of the Department. 2.75 GPA required.
Repeatable to: 12 credits.
Credit Only Granted for: TLPL418 or EDCI481.

TLPL420 Knowledge, Reasoning, and Learning in Science (3 Credits)
For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: TLPL420 or EDCI411.
Formerly: EDCI411.

TLPL421 Practices in Secondary School Science Teaching (2 Credits)
Analyses of student thinking, instructional interpretations, strategies, and techniques in the teaching internship.
Prerequisite: TLPL425.
Corequisite: EDCI471 and EDCI474.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Secondary Educ: Science program. Or minimum cumulative GPA of 2.75.
Credit Only Granted for: TLPL421 or EDCI480.
Formerly: EDCI480.

TLPL423 Interdisciplinary Teaching in the Middle Grades I (2 Credits)
For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students’ field placements. Use of technology and incorporation of technology into instruction.
Prerequisite: TLPL413 and TLPL420; or permission of instructor.
Corequisite: EDCI360 and TLPL475.
Restriction: Minimum cumulative GPA of 2.75; and must be in the Middle School Teacher Education Program, major code 0804P.
Credit Only Granted for: EDCI413 or TLPL423.
Formerly: EDCI413.

TLPL424 Interdisciplinary Teaching in the Middle Grades II (2 Credits)
For prospective middle school teachers. Planning and implementing interdisciplinary instructional practices in middle school. Draws on the context of and experiences in the student teaching placement. Use of technology and incorporation of technology into instruction.
Prerequisite: EDCI360 and TLPL423.
Corequisite: TLPL476 and EDCI460.
Restriction: Minimum cumulative GPA of 2.5; and must be in the Middle School Teacher Education Program.
Credit Only Granted for: EDCI414 or TLPL424.
Formerly: EDCI414.

TLPL425 Learning and Teaching in Science (3 Credits)
Studies of student learning and instructional practices in science teaching.
Prerequisite: TLPL420; or permission of instructor.
Restriction: Must be in Secondary Educ: Science program.
Credit Only Granted for: EDCI470 or TLPL425.
Formerly: EDCI470.

TLPL430 Field Experience in Art Education (1 Credit)
Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Secondary Educ: Art program.
Credit Only Granted for: EDCI400 or TLPL430.
Formerly: EDCI400.

TLPL431 Student Teaching in Elementary School: Art (4-8 Credits)

TLPL432 Student Teaching in Secondary Schools: Art (2-8 Credits)

TLPL433 Foundations of Art Education (3 Credits)
Introduction to the field of Art Education and the role of the visual arts in grades PreK-12 for today's diverse school populations. The fundamental, historical and philosophic components of art education with an emphasis on arts disciplines and curriculum. Includes a school-based practicum. For those considering art education as a major.
Restriction: Minimum cumulative GPA of 2.75.
Credit Only Granted for: EDCI403 or TLPL433.
Formerly: EDCI403.

TLPL434 Student Teaching Seminar: Art Education (3 Credits)
An analysis of teaching theories, strategies, and techniques in the student teaching experience.
Prerequisite: TLPL435 and TLPL430.
Corequisite: TLPL432 and TLPL431.
Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.
Credit Only Granted for: EDCI404 or TLPL434.
Formerly: EDCI404.
TLPL435 Art Education Methods I (3 Credits)
Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. And must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program.
Credit Only Granted for: EDCI405 or TLPL435.
Formerly: EDCI405.

TLPL436 Studio Processes and Materials: 2D (3 Credits)
A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs. 
Prerequisite: ARTT210.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and junior standing or higher; and must not be in any of the following programs (Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Special Education).
Credit Only Granted for: EDCI406 or TLPL436.
Formerly: EDCI406.

TLPL437 Studio Processes and Materials: 3D (3 Credits)
A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.
Restriction: Must be in Secondary Educ: Art program; or must be a Pre-Art Education Major.
Credit Only Granted for: EDCI407 or EDCI437.
Formerly: EDCI407.

TLPL440 Issues in the Education of English Language Learners (3 Credits)
Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.
Credit Only Granted for: EDCI432 or TLPL440.
Formerly: EDCI432.

TLPL441 Pedagogy of Teaching English Language Learners (3 Credits)
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar translation and audiolingual to communicative and task-based approaches will be presented. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Students will have the opportunity to discuss, probe and apply theories and principles to hands-on teaching practices in real-life settings. Digital technologies that assist teaching English language learners (ELLs) will be emphasized as well.
Credit Only Granted for: EDCI434 or TLPL441.
Formerly: EDCI434.

TLPL442 Foundations of Literacy and Biliteracy Development (3 Credits)
An overview of the research on literacy and biliteracy development for English learners. Specifically, the course explores the theoretical models and processes of teaching reading and writing, current literacy/biliteracy issues, assessment, and strategies for developing literacy and biliteracy skills for English learners.
Credit Only Granted for: EDCI435 or TLPL442.
Formerly: EDCI435.

TLPL443 Understanding Cross-Cultural Communication for Teaching English Language Learners (3 Credits)
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.
Credit Only Granted for: EDCI436 or TLPL443.
Formerly: EDCI436.

TLPL444 English Grammar Pedagogy for Teachers of English Language Learners (3 Credits)
Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.
Credit Only Granted for: EDCI437 or TLPL444.
Formerly: EDCI437.

TLPL445 Methods I: K-12 World Language Methods and Technology (3 Credits)
The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI410, TLPL445, EDCI688K, or TLPL695.
Formerly: EDCI410.

TLPL446 Language Variation and Multilingualism in Elementary Classrooms (3 Credits)
Issues in language variation and multilingualism in elementary classrooms, schools and communities with a focus on classroom practice, assessment, and policy.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.

TLPL447 Art Education Methods II (3 Credits)
Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.
Prerequisite: TLPL435; or students who have taken courses with comparable content may contact the department.
Corequisite: TLPL430.
Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.
Credit Only Granted for: EDCI423, EDCI603, TLPL447 or TLPL633.
Formerly: EDCI423.
TLPL450 Advanced K-12 World Language Methods and Technology (3 Credits)
Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio.
Prerequisite: TLPL445.
Corequisite: EDCI438.
Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI433, EDCI688A, TLPL450 or TLPL696.
Formerly: EDCI433.

TLPL451 Teaching and Learning in Secondary Education: English (3 Credits)
An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.
Credit Only Granted for: EDCI416 or TLPL451.
Formerly: EDCI416.

TLPL452 Bases for English Language Instruction (3 Credits)
Examines current theory, research, best practice, curricula and materials focused on the teaching of English language to native and non-native English learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, argument, discourse structure, dialects, edited academic English, English language proficiency (listening, speaking, reading, writing) assessment, and instructional planning. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.
Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI417 or TLPL452.
Formerly: EDCI417.

TLPL453 Life in Two Languages: Understanding Bilingual Communities and Individuals (3 Credits)
Overview of society and individual multilingualism. Topics include diglossia, language shift, codeswitching, bilingual first language acquisition, language attrition, dual language education policy and practice.

TLPL456 Teaching Writing (3 Credits)
Examines current theory, research, best practice, curricula and materials for teaching written communication in grades K-12. Focuses on analytical, argumentative, informative/explanatory, literary analysis, narrative, descriptive, and research writing. Emphasizes instructional planning, assessment, writer problem-solving strategies, information search, development, organization and style appropriate to task, purpose and audience for both non-digital and digital text. English Language Learner and special needs pupil issues considered.
Corequisite: EDCI447.
Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI467 or TLPL456.
Formerly: EDCI467.

TLPL457 Literature for Adolescents (3 Credits)
Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI466 or TLPL457.
Formerly: EDCI466.

TLPL460 Materials and Instruction for Creating Skilled and Motivated Readers, Part I (3 Credits)
Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.
Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDCI461 or TLPL460.
Formerly: EDCI461.

TLPL461 Materials and Instruction for Creating Skilled and Motivated Readers, Part II (3 Credits)
Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.
Prerequisite: TLPL361 and TLPL460.
Corequisite: TLPL312, EDCI342, TLPL321, and TLPL362.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Elementary Education program.
Credit Only Granted for: EDCI462 or TLPL461.
Formerly: EDCI462.
TLPL462 Reading in the Secondary School (3 Credits)
Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art); and permission of department required for post-baccalaureate students.
Credit Only Granted for: EDCI463 or TLPL462.
Formerly: EDCI463.

TLPL470 Knowledge, Reasoning, and Learning in Secondary Social Studies (3 Credits)
An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students’ conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75. 
Credit Only Granted for: EDCI426 or TLPL470.
Formerly: EDCI426.

TLPL471 Curriculum, Teaching, and Assessment in Secondary Social Studies (3 Credits)
An exploration of curriculum development, teaching, and assessment in secondary history/social studies. Focus on identifying students’ conceptions of social studies topics and designing lessons that advance students’ disciplinary thinking and understanding.
Prerequisite: TLPL470.
Corequisite: EDCI428.
Restriction: Must be in Secondary Educ: Social Studies program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Center for Learning & Educational Technology.
Credit Only Granted for: EDCI427 or TLPL471.
Formerly: EDCI427.

TLPL475 Equitable Classrooms (2 Credits)
An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Pedagogical decision making that leads to greater equity and improved student learning for all students. Draws on the concurrent student teaching experience.
Prerequisite: TLPL475.
Corequisite: TLPL424 and EDCI460.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Secondary Educ: Art; Special Education).
Credit Only Granted for: EDCI425 or TLPL476.
Formerly: EDCI425.

TLPL476 Equity and Pedagogy (2 Credits)
An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Pedagogical decision making that leads to greater equity and improved student learning for all students. Draws on the concurrent student teaching experience.
Prerequisite: TLPL475.
Corequisite: TLPL424 and EDCI460.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Secondary Educ: Art; Special Education).
Credit Only Granted for: EDCI425 or TLPL476.
Formerly: EDCI425.

TLPL478 Professional Seminar in Education (1-3 Credits)
Seminar on the issues and problems teacher candidates encounter in classrooms. Exploration of the skills and strategies that best address these challenges.
Restriction: Must be in a major within the EDUC-Teaching and Learning, Policy and Leadership department.
Formerly: EDCI488.

TLPL479 Field Experiences in Education (1-12 Credits)
Field experiences in approved education setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.
Formerly: EDCI489.

TLPL481 Embracing Diversity in the Classroom Community (3 Credits)
An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.
Restriction: Admission to teacher education program; or permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: TLPL481 or EDCI475.
Formerly: EDCI475.

TLPL488 Special Topics in Education (1-3 Credits)
Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDPS488 or TLPL488.
Formerly: EDPS488.

TLPL489 Internship in Education (1-12 Credits)
Internship or residency experiences in school settings with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.
Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department.
Credit Only Granted for: EDPS489 or TLPL498.
Formerly: EDPS489.
**TLPL498 Special Problems in Education (1-3 Credits)**
Exploration of current problems in teaching, learning, policy and leadership. Available only to students who have definite plans for study of approved problems.

**Restriction:** Permission of EDUC:Teaching and Learning, Policy and Leadership department.

**Credit Only Granted for:** EDPS498 or TLPL498.

**Formerly:** EDPS498.

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**TLPL499 Workshops, Clinics, and Institutes (1-6 Credits)**
The following type of educational enterprise may be scheduled under this course heading: Workshops conducted by the College of Education (or developed cooperatively with other colleges and universities) and not otherwise covered in the present course listing; clinical experiences in pupil-testing centers, reading clinics, speech therapy laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals, and supervisors.

**Credit Only Granted for:** EDPS499 or TLPL499.

**Formerly:** EDPS499.