EDU - Education

EDU 101US, Teaching and Learning, 3 Credits. (3 Sem) F,S
PREREQUISITE: First year students (less than 30 credits) only. This course is an introduction to the profession of public school teaching. Topics treated include the nature of knowledge, the development of public education, the training of teachers, the nature of schools today, education policy, and society's expectations of schools.

EDU 202. Early Field Experience. 1 Credit. (1 Lab) F,S
Students will explore the profession of teaching by attending an orientation, conducting in-school observations and interviews, recording personal reflections in a portfolio, and participating in two seminar sessions to debrief/discuss their experiences.

EDU 204A. Arts & Lifelong Learning. 3 Credits. (3 Lec) F,S
This course explores how dance, drama, music and the visual arts offer students expressive ways to learn and inquire about themselves, their social and physical worlds. Students engage in creative arts by exploring content, practicing critical inquiry skills and reviewing aesthetic perspectives.

EDU 211D. Multicultural Education. 3 Credits. (3 Lec) F,S
PREREQUISITE: Sophomore Standing. Examination of the school-society relationship in the United States and of the many issues and variables embedded in this relationship, including equal opportunity, human diversity, ideology, politics and social change. Foundational perspectives (historical, political, social, and policy) will be explored.

EDU 222IS. Educ Psych & Child Development. 3 Credits. (3 Lec) F,S
Human growth and psychological development of school age students, to include physical, cognitive, and psychosocial development within an educational, familial, and societal context. An examination of theory and research related to the development, learning and motivation of school age students. Implications for effective classroom teaching will be identified throughout the course.

EDU 223S. Educ Psych and Adolescent Dev. 3 Credits. (3 Lec) F,S
Human growth and psychological development of middle and high school students, to include physical, cognitive, and psychosocial development within an educational, familial, and social context. An examination of theory and research related to the development, learning and motivation of middle and high school students. Implications for effective classroom teaching will be identified throughout the course.

EDU 263. Methods of Teaching Grammar. 3 Credits. (3 Lec) F,S
This course explores the structure and function of the English language. In particular, study of grammar including the eight parts of speech, types of phrases and clauses, sentence structure and fluency, word usage, and other language conventions will be addressed.

EDU 290R. Undergraduate Research. 1-6 Credits. (1-6 Ind; max unlimited) F,S
Directed undergraduate research which may culminate in a written work or other creative project. Course will address responsible conduct of research.

EDU 291. Special Topics/Expnmd Course. 1-4 Credits. (1-4 Ind; 12 cr max) On Demand
Max 12 cr. PREREQUISITE: None required but some may be determined necessary by the offering department. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

EDU 292. Independent Study. 1-3 Credits. (1 Ind; 3 cr max) F,S
PREREQUISITE: Sophomore Standing. Examination of the school-society relationship in the United States and of the many issues and variables embedded in this relationship, including equal opportunity, human diversity, ideology, politics and social change. Foundational perspectives (historical, political, social, and policy) will be explored.

EDU 330. Emergent Literacy. 3 Credits. (3 Lec) F,S,Su
Alternate years to be offered even years PREREQUISITE: EDU 331, EDU 382, Junior Standing. Current theory concerning emergent literacy and developmentally appropriate classroom practices. Emphasis is on a balanced approach which includes phonics and other cue systems, use of authentic children's literature, and use of programmed reading materials.

EDU 331. Lit and Literacy for Children. 3 Credits. (2 Lec, 1 Lab) F,S
PREREQUISITE: EDU 222 or EDU 223 and sophomore standing. A survey of children's books with an emphasis on their use in K-8 classrooms. Introduces the history and current genres of children's literature, selection criteria, award-winning books, and strategies for sharing books with students.

EDU 332. Lit and Arts in Context. 9 Credits. (3 Lec, 6 Lab) Su
Study of British and French literature for children is integrated with experiences in the arts. The course includes a three-week trip to England and France where participants will visit historical sites and see performances that bring stories to life.

EDU 342. Managing the Learning Environ. 3 Credits. (3 Lec) F,S
PREREQUISITE: EDU 382 and good standing in the Teacher Education Program. This course examines factors in establishing a healthy learning environment for K-12 students. The course will explore factors that contribute to student success such as school law and policy and their relationship to the establishment of effective and respectful management, engaging classroom instruction, and meaningful learning for all students.

EDU 370. Integrating Tech into Educ. 2 Credits. (1 Lec, 1 Lab) F,S,Su
COREQUISITE: EDU 222 or EDU 223, sophomore standing. Exploration of technology use in society and effective teaching and learning. Includes strategies for developing technology-rich curriculum and techniques for enhancing learning through integration of technology and 21st century skills.

EDU 382. Assessment, Curric, Instructn. 3 Credits. (3 Lec) F,S
PREREQUISITE: EDU 222S or EDU 222S. COREQUISITE: EDU 370. Fundamental concepts of differentiated educational assessment for classroom teachers including the alignment of assessment to curriculum standards and essential understandings, quality of assessment, principles of item construction, evaluation of student responses, interpretation of results, and improvement of techniques.

EDU 395. Practicum. 3 Credits. (3 Lab; 12 cr max) F,S
PREREQUISITE: Completion of M 133Q, EDU 382, and good standing in Teacher Education Program. COREQUISITE: Methods course in teaching major. Students will be assigned to school classrooms to observe children, teachers, and teaching strategies and to co-teach lessons in classrooms. Sections will be specific to grade level 5-12, K-8, or K-12. See advisor for appropriate section and information on term offerings.

EDU 397. Methods. 3 Credits. (2 Lec, 1 Lab; 3 cr max) F,S
METHODS-4 ART: PREREQUISITE: EDU 382 and good standing in the Teacher Education Program. Experiences which enhance student understanding of how children make art, appreciate historical aspects of art, and construct their place in a social world. Students explore these concerns through studio experiences, readings, written reports, and locating and gathering resources for teaching art. METHODS K-8 CREATIVE ARTS: PREREQUISITE: EDU 382 and good standing in Teacher Education Program. This course provides active engagement with the elements and skills of the creative arts, principally focusing on visual art and music. Teacher candidates prepare to guide school age learners as they engage in creative processes and explore historical and cultural aspects of the arts. METHODS K-4 HEALTH ENHANCEMENT: PREREQUISITE: EDU 382 and good standing in Teacher Education Program. The theoretical and practical aspects of teaching health enhancement in the elementary schools. METHODS K-8 HEALTH ENHANCEMENT: The class is designed to provide the elementary education student with a conceptual understanding of school-age health enhancement (health and physical education), to include relationships between movement concepts and skill analysis, the ten comprehensive school health areas, and health-related behaviours. METHODS K-8 LANGUAGE ARTS: PREREQUISITE: EDU 331 and good standing in Teacher Education Program. This course provides instruction in best practices for teacher candidates, which links current theory and practice of literacy instruction in grades K-8. Through experiential learning, students will explore models and approaches to teaching English language arts. METHODS K-8 MATH: PREREQUISITE: EDU 382, M 132, M 133Q, M 234, and good standing in Teacher Education Program. This course focuses on mathematics and mathematics teaching methods, mathematics diagnosis and correction, and mathematics curriculum standards for the K-8 classroom. METHODS K-8 SCIENCE: PREREQUISITE: EDU 382, completion of 3 required science courses, and good standing in Teacher Education Program. This course focuses upon methods of teaching science inquiry skills, content, and attitudes in the elementary classroom.

EDU 397R. Methods-K-8 Social Studies. 3 Credits. (3 Lec) F,S,Su odd years 3 cr. Lec 3 PREREQUISITE: EDU 382, completion of 3 required social science courses, and good standing in the Teacher Education Program. Identification of goals, objectives, and instructional strategies for elementary social studies.

EDU 401. Intro Lit Leadership Ed. 3 Credits. (3 Lec) F,S
PREREQUISITE: EDU 330 or EDU 397 (K-8 Methods: Language Arts), and good standing in Teacher Education Program, or consent of instructor. PREREQUISITE or COREQUISITE: EDU 395. This methods course is designed to prepare students in the roles and responsibilities of reading specialists in the professional school setting. Topics include collaborating with colleagues, parents, and the community, current practice in literacy professional development, and reading policy.

EDU 408. Professional Issues K-12. 2 Credits. (2 Lec) F,S
PREREQUISITE: Senior standing, completion of all coursework, and good standing in Teacher Education Program. COREQUISITE: EDU 495. Overview of salient issues to include applied evaluation, classroom management and discipline, cooperative learning, law, contracts, certification, professional organizations, ethics, resume, job seeking, and professionalism.
EDU 409. Professional Issues: K-8. 2 Credits. (2 Lec) F,S
PREREQUISITE: Senior standing, completion of all required EDEL methods courses, and good standing in Teacher Education Program. COREQUISITE: EDU 405. Senior capstone course. Review the role of teachers and elementary school; school law; teacher contracts; certification; professional organizations; ethics; job seeking; job success; cooperative learning; and other critical issues for elementary education majors.

EDU 411. ESL/Teaching Culturally/Linguistically Diverse K-12 Students. 3 Credits. (3 Sem) F,S
PREREQUISITE: EDU 211 and EDU 222IS or EDU 223IS, or consent of instructor; EDU 382 may be taken as a co-requisite. This course provides an overview of linguistically/culturally appropriate instructional strategies for K-12 teachers to implement with English Language Learners in the regular classroom. This course examines current research, controversial issues, and best practices surrounding second language acquisition and language learning.

EDU 422. Ed Computing Mgmt/App. 1-3 Credits. (1-3 Ind; 3 cr max) On Demand
PREREQUISITE: EDU 370. A flexible format that allows the student to select hands-on learning modules based on student need and interest in educational technology and 21st century skills.

EDU 431. Teaching Reading: 4-8. 4 Credits. (4 Lec) F,S,Su alternate years to be offered odd years PREREQUISITE: EDU 382, EDU 331, and good standing in Teacher Education Program. Current theory and practice addressing literacy instruction in grades 4-8, with special emphasis on middle school. Topics include reading strategies, the writing process, and workshop approaches to literacy.

EDU 432. Lit and Literacy for Young Adts. 3 Credits. (3 Lec) F
PREREQUISITE: EDU 331 Survey of materials for young adult readers. Includes literary analysis, pedagogy, electronic resources, and motivational strategies.

EDU 438. Lercy Asmnt, Diagnos & Instr. 3 Credits. (2 Lec, 1 Lab) F,S
PREREQUISITE: EDU 350 or EDU 397 (Methods: K-8 Language Arts), and EDU 438, and good standing in Teacher Education Program. Current theory and techniques in literacy assessment and individualization. Emphasis will be on specific instructional strategies that focus on independence in reading and writing. A practicum is included.

EDU 470. Advanced Educ Technology. 3 Credits. (2 Lec, 1 Lab) F
Hands on experiences in the production of advanced instructional materials. Emphasis on exploration of the use of computers and other technologies. Appropriate for media specialists, teachers, trainers and communicators interested in using the new technology tools.

EDU 481. Literacy Across the Curriculum. 2 Credits. (2 Lec) S
PREREQUISITE: EDU 350 or EDU 397 (Methods: K-8 Language Arts), and good standing in the Teacher Education Program. PREREQUISITE or COREQUISITE: EDU 395. Techniques, materials, and theories in teaching effective reading skills in all content fields, grades 5-12.

EDU 490R. Undergraduate Research. 1-6 Credits. (1-6 Ind; 12 cr max) F,S,Su
Max 12 cr. Directed undergraduate research which may culminate in a research paper, journal article, or undergraduate thesis. Course will address responsible conduct of research. May be repeated.

EDU 491. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
Max 12 cr. PREREQUISITE: Course prerequisites as determined for each offering. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

EDU 492. Independent Study. 1-3 Credits. (1-3 Ind; 6 cr max) On Demand
Max 6 cr. PREREQUISITE: Junior standing, consent of instructor, and approval of department head. Directed research and study on an individual basis.

EDU 493. Study Abroad. 1 Credit. (1 Sem; 4 cr max) On Demand
PREREQUISITE: Junior standing and as determined for each offering. Topics offered at the upper division level which are not covered in regular courses. Students participate in preparing and presenting discussion material.

EDU 494. Seminar Lab Safety. 1 Credit. (1 Sem; 4 cr max) F,S
PREREQUISITE: Junior standing. Topics offered at the upper division level which are not covered in regular courses. Students participate in preparing and presenting discussion material.

EDU 495. Student Teaching. 5-16 Credits. (5-16 Ind; 16 cr max) F,S,Su
5-16 cr. IND PREREQUISITE: Senior standing, completion of all required coursework and good standing in Teacher Education Program. COREQUISITE: EDU 408 for Student Teaching Level 5-12. Specific sections determine grade level either K-8, 5-12, or K-12. Observation and teaching in a classroom setting: preparation and delivery of lesson plans, and teacher work sample. The student teaching experience will occur under the supervision of experience teachers and MSU field supervisors.

EDU 496. Methods: K-12 Modern Languages. 4 Credits. (3 Lec, 1 Lab) S
PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Provides prescriptive foreign language instructors with a practical and theoretical foundation for planning (including lesson/unit), implementing teaching, and evaluating programs and learning for levels K-12. Content reading skills are also addressed. Includes practicum experience for majors only.

EDU 497. Methods. 3 Credits. (2 Lec, 1 Lab; 20 cr max) S
METHODS: AG & TECH ED: PREREQUISITE: EDU 382, 20 or more credits in subject area and good standing in Teacher Education program. COREQUISITE: EDU 395 (for teaching majors in this subject). Problem solving approach to planning (including lesson/unit), teaching and evaluating vocational and technology education at the middle and secondary school levels. Content area reading will be investigated. Includes practicum experience. METHODS 5-12 ART: PREREQUISITE: EDU 382, 20 or more credits in subject area and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Emphasizes the teacher-artist as the essential resource for art experiences in the schools. Readings and written assignments, exploring curriculum content and program implementation, media, resources, content reading, lesson/unit planning and evaluation issues in art education. Includes practicum experience. METHODS 5-12 ENGLISH: PREREQUISITE: EDU 382, 20 or more credits in subject area and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Teaching strategies, methods and materials for planning (including lesson/unit); implementing effective language arts instruction. Includes components on course design, writing, reading, literature, speaking and media instruction, and professional development. Includes practicum experience. METHODS 5-12 SOCIAL STUDIES: PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Curriculum, materials, procedures and content reading for planning (including lesson/unit), implementing, teaching, and evaluating social studies programs in secondary schools. Includes practicum experience. METHODS 5-12 FAMILY AND CONSUMER SCIENCES: PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Teaching strategies, methods, materials, and content reading for planning (including lesson/unit); implementing and evaluating family and consumer science programs. Includes practicum experience. METHODS 5-12 MATHEMATICS: PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Effective techniques in presenting materials, and planning class activities (including lesson/unit). Methods of teaching and evaluating algebra, geometry, trigonometry, probability/statistics; application of current mathematics education research and reading in the content area of mathematics. Includes practicum experience. METHODS 5-12 HEALTH ENHANCEMENT: PREREQUISITE: EDU 382, EDU 397 (Methods: K-8 Health Enhancement) 20 or more credits in subject area, and good standing in Teacher Education Program. Developing pedagogical content knowledge by focusing on research based instructional strategies, methods, materials, and content reading for planning, implementing, and evaluating health enhancement lessons, units, and programs in secondary schools. Includes practicum experience. METHODS 5-12 SCIENCE: PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in the Teacher Education Program. COREQUISITE: EDU 395 (for teaching majors in this subject). Focuses on methods of planning (including lesson/unit), teaching, and evaluating science inquiry skills, content, attitudes, and safety in the secondary classroom.

EDU 497R. Methods: 5-8 Mathematics, 3 Credits. (2 Lec, 1 Lab) S
PREREQUISITE: EDU 382, 20 or more credits in subject area, and good standing in Teacher Education Program. Effective techniques in presenting materials, planning class activities, and creating good learning experiences. Methods of teaching and evaluating arithmetic, remedial mathematics, basic geometry, introductory algebra, and reading/writing mathematics.

EDU 498. Internship. 1-5 Credits. (1-5 Ind; 5 cr max) On Demand
Max 5 cr. PREREQUISITE: EDU 382 and consent of instructor. An individualized assignment with a professional agency to provide a guided field experience.

EDU 602. Educational Statistics II. 3 Credits. (3 Lec) Su
PREREQUISITE: EDCI 501. The application of statistical processes to the analysis of educational data. Educational problems that apply multifactor ANOVA, multiple comparison techniques, ANCOVA, multiple regression, and factor analysis in their solution are included.
EDU 607. Quantitative Educational Research. 3 Credits. (3 Lec) F
PREREQUISITES: EDCI 502, EDCI 506, and graduate standing. This course explores the implications of and application of the quantitative research paradigm to systematic inquiry within the field of education. The course includes quantitative designs, design-related data collection and management methodologies, appropriate data analysis and writing strategies, and the role of quantitative research in decision-support. Students will plan and complete a quantitative research project. Course will address responsible conduct of research.

EDU 608. Advanced Educational Research. 3 Credits. (3 Lec) F
PREREQUISITES: EDCI 502, EDCI 507, EDCI 607. Doctoral Students will operationalize a research plan proposed in EDCI 507 or EDCI 607. Specifically, they will refine their research proposals to produce a dissertation proposal that is defensible by piloting research procedures, data collection methods, data analysis techniques, and presentation of results in written and oral formats.

EDU 610. Qualitative Educational Research. 3 Credits. (3 Lec) F
PREREQUISITES: Graduate standing and EDCI 506. This course explores the implications and application of the qualitative research paradigm to systematic inquiry within the field of education. Methods used in qualitative research including techniques of data collection, analysis, and reporting will be reviewed. Students will plan and complete a qualitative research project. Course will address responsible conduct of research.

EDU 612. Critical Race Theory. 3 Credits. (3 Lec) F
Critical Race Theory (CRT) is an analytical framework that provides a raced-based epistemological and methodological approach to study racial inequality in education. This seminar focuses on the application of CRT to educational leadership, policy, and practice.

EDU 613. Indigenous Methodologies in Educational Research. 3 Credits. (3 Sem)
An examination of interdisciplinary methodologies demonstrated in an sociocultural context highlighting ethical practices when researching Indigenous peoples. Students get guidance in framing a culturally attuned methodology for their research and examine critiques of Indigenous methodologies.

EDU 614. Planning Program Assessment. 3 Credits. (3 Lec) F
PREREQUISITES: EDLD 506 and graduate standing or consent of instructor. In this course, students learn about the literature, models, standards, strategies, and skills to plan and implement an assessment or program evaluation of educational programs, services and administration. Students evaluate literature and conduct an original assessment project.

EDU 637. Institutional Research and Assessment in Higher Education. 3 Credits. (3 Lec) F
PREREQUISITE: Graduate standing. Students will explore the roles of institutional research and assessment in higher education identifying appropriate measures for academic and administrative assessment, internal and external data sources, analytic techniques, and the communication of information to academic and administrative decision makers.

EDU 650. Dissertation Seminar. 3 Credits. (3 Sem) F
PREREQUISITES: Graduate standing and as determined for each offering. Topics offered at the graduate level that are not covered in regular courses. Students participate in preparing and presenting discussion material.

EDU 691. Doctoral Seminar. 3 Credits. (3 Sem) F,Su
PREREQUISITE: Student must be in the PhD Education program, and consent of instructor. This Special Topics course provides students with an overview of doctoral program requirements in education. Students will be oriented to the required coursework, teaching and research responsibilities and available resources. Students will develop research problems and methodologies for conducting dissertation research.