### CURRICULUM & INSTRUCTION (EDCI)

#### Courses

**EDCI 200. Contemporary Issues. 0-6 Credits.**  
Designed so that its content and structure may accommodate special issues not especially appropriate within the boundaries of an existing course. Pre/co-requisite: twelve hours in Education and related areas.

**EDCI 238. Teach’g w/Global Perspective. 3 Credits.**  
Approaches to teaching global and multicultural issues: justice and human rights, peace, and the environment. Development of curriculum materials. Links between local and global concerns. Prerequisite: Twelve hours of Education and related areas.

**EDCI 245. Computer Apps in Elem&Sec Curr. 3 Credits.**  
For elementary, secondary educators with experience in simple programming. Design of instructional procedures, integrating computers into school curriculum. Use of computer software to teach basic skills, reasoning, thinking skills. Prerequisites: CS 003 or equivalent; Instructor permission.

**EDCI 261. Current Direction in C&I. 3 Credits.**  
Current trends, issues, literature, programs, and organizational activities in fields of curriculum and instruction emphasizing areas of individual concern. Focus on elementary and secondary school levels. Prerequisite: Twelve credits in Education or equivalent.

**EDCI 295. Laboratory Experience in Educ. 1-6 Credits.**  
Supervised fieldwork designed to give students experience in specialized areas for their professional development. Prerequisite: Permission of the Coordinator of Professional Laboratory Experiences.

**EDCI 296. Laboratory Experience in Educ. 1-6 Credits.**  
Supervised fieldwork designed to give students experience in specialized areas for their professional development. Prerequisite: Permission of the Coordinator of Professional Laboratory Experiences.

**EDCI 321. Learning, Design & Technology. 3 Credits.**  
This course examines the relationship between learning theory and technology integration in K-12 classrooms and integrates backward design in standards-based units of study. Prerequisite: Teaching experience.

**EDCI 322. Differentiation & Technology. 3 Credits.**  
This course enables educators to develop and utilize instructional frameworks based on current research related to differentiating instruction, universal design for learning and assistive technology.

**EDCI 323. Inquiry and Technology. 3 Credits.**  
This course examines how technology can promote a student-centered active learning classroom environment that promotes problem-solving and critical thinking skills. Prerequisite: Prior teaching experience.

**EDCI 324. Assessment and Technology. 3 Credits.**  
Students will cover assessment basics, the role of technology in education, information & knowledge management, and methods for integrating technology into assessment practice.

**EDCI 325. Leadership and Technology. 3 Credits.**  
This course explores leadership and the role of the Integration Specialist and/or teacher leader in the context of educational technology integration planning.

**EDCI 333. Curr Concepts/Planning/Develop. 3 Credits.**  
Overview of conceptions of curriculum for elementary and secondary education; examination of contemporary curriculum trends, issues; processes for initiating, planning, developing curriculum activities and programs. Prerequisite: Twelve hours of Education or Instructor permission.

**EDCI 334. Social Studies in Elem Schools. 3 Credits.**  
Study of literature, research, and problems in teaching social studies in the elementary school. Prerequisite: Twelve hours in Education and related areas.

**EDCI 356. Methods & Materials in Math. 3 Credits.**  
Evolution of mathematical concepts, notations. Meaning of numbers, number-systems. Theory underlying fundamental operations, metric measurements, analysis of modern approach to mathematics. Manipulative approach to teaching mathematics. Prerequisite: Twelve hours in Education and related areas.

**EDCI 363. Analysis of Curr & Instruc Sem. 3 Credits.**  
A case study of the design, implementation, and evaluation of selected curricular and instructional improvements. Prerequisite: Ed.D. students have priority.

**EDCI 380. Professional Problems in Ed. 3 Credits.**  
Designed to cover selected educational problems in depth. The major emphasis will be on intensive and critical analysis of the literature and practice in a given area.

**EDCI 391. Master's Thesis Research. 1-12 Credits.**  
Thesis topic must be approved by a faculty committee. Credit as arranged.

**EDCI 397. Problems in Education. 1-6 Credits.**  
Individual work on a research problem selected by the student in consultation with a staff member. Pre/co-requisites: Twelve hours in Education and related areas; endorsement by a sponsoring faculty member.