

# EDUCATIONAL CURRICULUM & INSTR (EDCI)

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## **EDCI 536 SEMINAR/TOPICS IN EDUCATION1-3 Credits**

Investigation of special topics in education. Attempts will be made to meet individual needs.

## **EDCI 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

## **EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS3 Credits**

Develop competencies in producing and utilizing research to improve professional practice. Quantitative and qualitative methods will be presented. Quantitative methods will be the primary emphasis including basic statistical methods. Students will produce a research plan and literature review.

## **EDCI 632 IMPROVEMENT OF INSTRUCTION IN HEALTH AND SCIENCE IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

Emphasis on curriculum and methodology in effective science and health education classes. Investigations of the aims of the science programs, acquaintance with the materials, techniques of instruction, and experiences that may help children gain the skills, understanding, and attitudes desirable in this subject area.

**Requirements:** Student-teaching or other teaching experience.

## **EDCI 633 EDUCATIONAL PHILOSOPHY3 Credits**

Philosophical beliefs underlying the democratic school system, its objectives, and the means of obtaining them is reviewed. It provides a basis for a philosophy of life and education in a democratic society.

## **EDCI 634 IMPROVEMENT OF INSTRUCTION IN MATHEMATICS IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

Study methods and the value of teaching mathematics in the elementary school curriculum. Improved instructional materials are considered. Special consideration is given to exceptional children. Trends as noted in the professional literature are reviewed. Prerequisites: Student-teaching or other teaching experience.

## **EDCI 635 CURRICULUM DEVELOPMENT3 Credits**

K-12 school curriculum, including pupil needs in everyday life situations. Curriculum writing process, including standards based on research, objectives/skills, assessments, and evaluation along with an appraisal of new curriculum practices. Emphasis placed on the process of staff-developed curriculum.

## **EDCI 636 IMPROVEMENT OF INSTRUCTION IN SOCIAL STUDIES IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

The objectives of social education, organization or content, the unit activity approach, and a critical analysis of ways of improving instruction in the classroom are explored. Various types of teaching aids will be considered.

**Requirements:** Student-teaching or other teaching experience.

## **EDCI 637 IMPROVEMENT OF INSTRUCTION IN LANGUAGE ARTS IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

Principles and techniques of effective instruction in the areas of handwriting, spelling, reading, oral and written language.

**Requirements:** Student-teaching or other teaching experience.

## **EDCI 638 SCHOOL LAW3 Credits**

Evaluation and current status of the law pertaining to the teacher in the classroom. Specific school situations will be analyzed as applicable to state statutory and constitutional provisions and the rationale for the judicial interpretations of legal mandates.

## **EDCI 639 SYSTEMIC CHANGE: PROCESS FOR SCHOOL IMPROVEMENT3 Credits**

Seminar designed to follow and apply research focusing on systemic change. Student concerns and interests are part of this class.

## **EDCI 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing and related to the project.

**Requirements:** Must complete three (3) credit hours.

## **EDCI 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. The completion of a research project of considerable scope. The report of a study conducted under the guidance of the student's advisor.

**Notes:** Recommended for anyone planning to do further advanced work in education.

**Requirements:** Must complete six (6) course credits; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.