EDUCATIONAL FOUNDATIONS - INSTRUCTIONAL TECHNOLOGY (5150)

5150:590 Workshop (1-3 Credits)
Individual work under staff guidance on curriculum problems, utilization of community resources, planning of curriculum units. Delivered in face-to-face, web-enhanced format and fully on-line format.

5150:610 Introduction to Instructional Technology (3 Credits)
Course will provide the learner with foundational understanding of technology standards will provide the conceptual framework for the study of technology's impact on teaching and learning in the 21st Century.

5150:614 Planning for Technology (3 Credits)
Corequisite: 5100:610. Emphasizes the process of planning for the use of technology in schools, businesses, institutions. Includes plans for faculty support and alternative managements of computer hardware and software.

5150:631 Instructional Design (3 Credits)
Corequisite: 5100:610. The theory and practice of instructional design (ID) involves a systematic approach to the analysis, design, development, evaluation, and implementation of effective instruction.

5150:632 Web-Based Learning Systems (3 Credits)
Corequisite: 5150:610. Help students become proficient in the design, development, and evaluation of web-based learning systems for training and education. This course is offered fully online.

5150:633 Multimedia/Hypermedia (3 Credits)
Corequisite: 5150:610. Introduces students to a variety of Multimedia and Hypermedia tools (digital, image, audio, video, and authoring) and demonstrates how these products can be delivered via web to support learning.

5150:634 Visual Literacy (3 Credits)
This course will combine a basic understanding of design principles and concepts with research findings on the use of visuals in the learning process.

5150:635 Emerging Technologies for Instruction (3 Credits)
This course examines emerging technologies (hardware, software, systems) that support teaching/learning, and methods for assessing the utility of any technology used for instructional purposes.

5150:636 Topical Seminar in Educational Technology (3 Credits)
(Repeatable for up to nine credits.) Current trends and practices in educational technology: computer authoring software, tools and processes for instructional video production, presentation systems.

5150:638 Integrating and Implementing Technology (3 Credits)
Designed to equip teachers with tools, resources, and strategies to support the integration and implementation of effective use of technology in the classroom.

5150:639 Strategies for Online Teaching & Learning (3 Credits)
Corequisite: 5150:610. Prepare instructors to make the transition from teaching in a physical classroom to facilitating learning in virtual classroom. Delivered in a fully-online format.

5150:696 Master Technology Project (2-3 Credits)
Prerequisite: permission of advisor. Prepare and test a technology learning package that includes any combination of text, graphics, sound, color, motion, and the provision for interaction by the target students.

5150:697 Independent Study (1-3 Credits)
(May be repeated for a total of six credits) Prerequisites: permission of department chair and instructor. Specific area of study determined in accordance with student's program and professional goals.