EDIM. EDIM

EDIM-501. COGNITION & TECHNOLOGY: ALIGNING BRAIN BASED RESEARCH & TECHNOLOGY INTEGRATION
Credits: 3
This course provides in-depth study of the processes required for students to process information, including perception, attention, memory, encoding, retrieval, problem solving, and the information processing requirements of reading and writing. How brain-based theory can be incorporated in the classroom using technology will be covered.

EDIM-502. PROJECT BASED LEARNING
Credits: 3
This course will demonstrate to educators the benefits of project-based learning in the instructional environment. Strategies to transform learning into a more active, student-driven experience using technology tools for collaboration and connection to the world outside the traditional classroom will be explored.

EDIM-503. DIFFERENTIATION SUPPORTED BY TECHNOLOGY
Credits: 3
This course will provide educators with techniques for using technology to help create a stimulating, effective classroom for all students including English language learners, special education students and students with a variety of learning styles. Specific challenges and processes for managing a differentiated instructional setting with accommodations for alternative teaching, learning and assessment will be discussed and researched. Students will explore the use of various technological tools to differentiate assessment of students’ understanding and learning by using various assessment strategies such as instructional rubrics, student reflections and portfolios. Using technology to manage ongoing assessment for diverse learners will be explored.

EDIM-504. DIGITAL STORYTELLING
Credits: 3
This course will demonstrate how audio, video, and interactive elements can complement and enhance classroom instruction. Students will understand the principles of digital storytelling and how this process can be used in the classroom. Students will develop storyboards and create rubrics for evaluating digital stories. Various software used for digital storytelling will also be explored.

EDIM-507. GLOBALIZATION AND ADVOCACY
Credits: 3
This course examines the impact globalization and technologies have on education and the need for educators to adapt to the changing needs of a global society. In addition, the importance of advocacy and how it can affect change will be examined.

EDIM-508. DIGITAL MEDIA IN THE CLASSROOM
Credits: 3
This course is designed to help educators integrate digital media tools with core academic content. Teachers will learn how to transform their classrooms into 21st century learning centers with cutting-edge, standards-based, and hands-on digital media projects that incorporate technologies like video on-demand from Discovery Education streaming, podcasting/vodcasting and shared-screen presentations. Imaginative ways to visualize ideas and concepts through the acquisition and manipulation of digital images will be explored.

EDIM-510. WEB 2.0: IMPACTING LEARNING ENVIRONMENTS
Credits: 3
Students learn the core concepts of Web 2.0 and how it is impacting learning environments. The course focuses on Web 2.0 technologies and how these tools are shaping education by allowing users to publish and interact in new and different ways. Topics include social networking technology and online collaborative tools such as blogs, wikis, etc.

EDIM-511. PORTABLE VIDEO PRODUCTION & APPLICATION
Credits: 3
This course provides a comprehensive introduction to the use of portable video recording and editing devices. Students will learn camera techniques and terminology. Applications for classroom integration will also be explored.

EDIM-513. INQUIRY BASED LEARNING
Credits: 3
Inquiry-based instruction is a powerful way for students to learn through active engagement with their environment. Teachers who engage in this form of instruction orchestrate a learning environment that allows students to develop deep understanding and enriched knowledge about selected topics. Inquiry should be one of the methodologies that teachers employ in meeting the challenges of today's academic expectations. We live in an era of rapidly expanding knowledge, which highlights the need for students to be lifelong learners. Inquiry skills support students' abilities to question and methodically investigate a wide range of subject matter. This course will explore Inquiry as a teaching technique, utilizing technology to support the various stages of the process.

EDIM-514. INTERNET TOOLS FOR TEACHING
Credits: 3
The course will explore an array of powerful tools and standards-based resources that will help educators move their students to proficiency and beyond. Tools that make the development of high quality lesson-plans, assignments, writing prompts, quizzes, and surveys easier for educators will be presented. Topics will also include the exploration of resources like classroom uses of the high-speed data transfer provided by Internet2 and the educational opportunities of virtual field trips.
EDIM-515. BYOD: MOBILE DEVICES FOR TEACHING AND LEARNING  
Credits: 3  
This course will highlight significant ways that mobile devices can help to enhance and extend classroom learning. It will also address the unique challenges that schools face when adopting students' own devices as learning tools. Research and practical K-12 examples will be provided to support and address the many nuances of using mobile devices in the classroom. Previously titled BYOD: Mobile Learning in Education.

EDIM-516. SUSTAINING DIGITAL LITERACY  
Credits: 3  
This course will examine current issues and trends in educational technology. Topics will focus on skills pertinent to maintaining digital literacy, including use of communication and collaboration tools, analysis and digital curation of information, and evaluation of technological trends and associated pedagogy. Students will understand the importance of digital citizenship as it relates to the application of new technologies in the classroom environment and in education as a whole.