Miami Dade College

Course Description
EPI0003 | Technology | 3.00 credits

The student will learn about the historical, legal, and developmental implications of utilizing instructional technology to teach P-12 students. Students acquire knowledge regarding Assistive Technology and will integrate Assistive Technology to meet the needs of students with special educational needs. Students will select the best technology applications for the classroom. The student will apply current research to teaching and learning with technology when planning learning activities. Pre-requisites: EPI0002.

Course Competencies
Competency 1: The student will use 21st century skills to facilitate and inspire student learning, creativity, and innovation by:

1. Describing the 21st Century learner
2. Describing the 21st Century learner
3. Reviewing the national and state standards/competencies related to 21st Century learning
4. Researching the impact of educational, political, technical, societal, equity/cultural, and legal/ethical conditions on 21st Century learning and technology in education
5. Identifying and summarizing a selection of appropriate websites for P-12 students
6. Defining multimedia and P-12 educational software applications and presenting multimedia applications
7. Presenting different types of software showing the use of technology for classroom management, administration, teaching, and learning

Competency 2: The student will research collaborative online and use technology in instructional planning and evaluation by:

1. Designing developmentally appropriate learning opportunities that apply technology-enhanced instructional strategies to support the diverse needs of learners
2. Planning for the management of technology resources within the context of learning activities
3. Facilitating technology-enhanced experiences that address content standards and student technology standards
4. Categorizing technology resources to engage students in active learning and differentiated instruction
5. Researching, selecting, and modifying appropriate technologies (including assistive technology) to accomplish instructional objectives
6. Evaluating and selecting information sources and digital tools based on the appropriateness to specific tasks
7. Applying technology to organize and integrate assessment information

Competency 3: The student will select appropriate technology that will link outcomes to instruction for all students by:

1. Researching collaborative tools that promote student learning in differentiated instruction and assessment
2. Assessing the variety of digital technological resources and their quality
3. Aligning technological tools to support student learning and differentiated instruction

Competency 4: The student will examine police perception of communities of color by:

1. Examining legal and ethical practice related to technology use
2. Advocating and practicing safe, legal, and responsible use of information and technology
3. Identifying and evaluating appropriate classroom procedures for student use of available technology
4. Facilitating equitable access to technology resources for all students
5. Identifying Acceptable Use Policies and modeling ways that are safe, legal, and ethical in the use of technology
6. Describing the management of personal data and digital identity and protect student data privacy

Learning Outcomes:
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Use computer and emerging technologies effectively