Miami Dade College

GENERAL INFORMATION	
Course Prefix/Number: EPI0003	Course Title: **Technology**

| Number of Credits: 3 credits | |

Degree Type	☐ B.A. ☐ B.S. ☐ B.A.S ☒ A.A. ☐ A.S. ☐ A.A.S. ☐ C.C.C. ☐ A.T.C. ☐ V.C.C

Date Submitted/Revised: 3/30/12	Effective Year/Term: 2012-1

☐ New Course Competency   ☒ Revised Course Competency

Course Description (limit to 50 words or less):

The student will learn about the historical, legal, and developmental implications of utilizing instructional technology to teach all students and Assistive Technology (AT) to teach special education learners. The student will learn to select the best technology applications for the classroom. The student will learn to apply current research to teaching and learning with technology when planning learning activities. (3 hr. lecture)

Prerequisite(s):	Corequisite(s):

Competencies:

Competency 1:
The student will become familiar with the application software productivity tools for the classroom by:
1. Identifying and defining use of software (application and productivity software; graphics and multimedia software; software for school use and for home and personal use).
2. Creating a teacher's web page.
3. Creating a digital story.
4. Applying technology to organize and integrate assessment information.

Competency 2:
The student will integrate multimedia and educational software applications by:
1. Defining multimedia and K-12 educational software applications.
2. Creating and presenting multimedia applications.
3. Creating and presenting digital imaging and video technology.
4. Identifying, selecting, and modifying appropriate technologies (including Assistive Technology) to accomplish instructional objectives.

Competency 3:
The student will integrate technology and curriculum by:
1. Identifying barriers to technology integration.
2. Integrating current information and communication technologies.
3. Evaluating, selecting, developing, and adopting technology-based curriculum materials.
4. Implementing curriculum plans that include methods and strategies for applying technology to maximize student learning.

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5. Designing instruction using technology for students to achieve mastery.
6. Creating lesson plans utilizing the Internet to enhance instruction.
7. Applying varied instructional strategies and resources, including appropriate technology, to provide comprehensible instruction and to teach for student understanding.
8. Developing learning experiences that require students to demonstrate a variety of applicable skills and competencies, including technology.

Competency 4:
The student will learn about the historical, legal, and developmental implications of assistive and instructional technologies by:

1. Summarizing the Individuals with Disabilities Education Act definition of Assistive Technology (AT) and its implications on classroom instruction and the Individual Education Plan (IEP) process.
2. Identifying functional limitations related to vision, hearing, mobility, cognitive, and health related impairments.
3. Identifying barriers to technology and common functional adaptations, and exhibiting sensitivity in terms of language and behavior.
4. Identifying practical benefits of assistive technology in different settings.
5. Demonstrating knowledge of equity, ethics, legal, and human issues concerning the use of assistive technology.
6. Discussing the impact of technology on all stages of development in individuals with special needs.

Competency 5:
The student will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve his/her educational goals by:

1. Identifying a variety of no technology, low technology, and high technology hardware and software for students based on their individual needs and abilities.
2. Identifying assistive technology resources including applications, tools, educational software, and associated documentation.
3. Identifying the range of assistive technology devices and services.
4. Selecting, designing, and using technology to educate individuals whose disabilities interfere with communication.
5. Utilizing current and emerging assistive technologies that enable students to participate in high-quality communication interactions, particularly in developing WebQuest, and achieve their educational goals.
6. Planning instruction in the use of alternative and augmentative communication systems which utilize technology.
7. Incorporating and implementing instructional and assistive technology into the educational program
8. Identifying placement of devices and positioning of the individual to optimize the use of assistive technology.
9. Identifying methods for evaluating and documenting student progress in acquiring, generalizing, and maintaining skills related to interpersonal interactions and participation in activities across settings.