IDC 103 Teaching with Technology
Course Abstract

Course ID and Name: IDC 103 Teaching with Technology

Department: History and Social Sciences
Chairperson or Course Coordinator: Timothy Hack
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Prerequisites: PSY 123 AND PSY 226   **Co-requisites:** IDC 102

Course Description:
This course focuses on how to use technological tools to support meaningful learning in the elementary classroom setting. Emphasis is placed on using technology in a developmentally appropriate way to increase learning. Students will be required to develop multi-media products that are based on best practices.

General Education Status: N/A

Credits: 2   Lecture Hours: Lab Hours:

Learning Outcomes:

1. Discuss how computers and other technology tools can be used to promote meaningful learning in elementary school settings.
2. Identify websites and other technological tools designed to accomplish learning goals based on grade level and subject domain, and evaluate whether they are developmentally appropriate for children.
3. Create a Webquest with links to educational resources.
4. Create multimedia products to advance learning in an elementary school setting.
5. Discuss social and ethical issues related to the use of technology in an educational setting.

6. Integrate technological tools and resources into functional discipline specific lesson plans.

Course Content Areas:

Developmental Theory
Piaget's Cognitive Theory; Vygotsky's Socio-cultural Theory; Erikson's Psycho-social Theory; Bronfenbrenner's Bio-ecological; Developmentally appropriate uses of technology

Educational Curriculum and Technology
Research on best practices related to technology and education; Integration of Technology Skills across the National Common Core Standards and targeted in the New Jersey Core Curriculum Content Standards; Technology resources in education; Using Technology to promote learning; Using Technology effectively across content specialty areas such as science, math, language arts, etc.; Ethical and social issues related to technology in education including cyber-bullying