

Montgomery County Community College  
 CIS/EDU 121  
 Teaching with Technology in Early Childhood  
 3-3-0

**COURSE DESCRIPTION:**

This course focuses on technology integration for PreK-4<sup>th</sup> grade classrooms. Students will explore, utilize, evaluate, and integrate technology into their classrooms and curriculum. Students will be involved in many aspects of this integration, including lesson plan writing and unit designing. Students will develop the skills for enriching their classrooms with various types of technology.

**PREREQUISITE(S):**

*Previous Course Requirements*

None

*Concurrent Course Requirements*

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Develop methods of assessing quality and appropriateness of various software pieces appropriate for classroom integration in Early Childhood classrooms.	Assigned Readings Student Presentations Software/Web/Technology Evaluations Online Discussions and Participation	Rubrics Evaluation Technique Sheets Frequency and Quality of Participation
2. Apply instructional strategies that effectively integrate technology use in Early Childhood classrooms.	Multimedia Materials Demonstration and Practice Lecture/Discussion Performance Competencies	Rubrics Lesson Plan Writing

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Demonstrate appropriate classroom integration of technology.	Multimedia Materials Demonstration and Practice Lecture/Discussion Performance Competencies Research Resources Student Presentations Software/Web/Technology Evaluations Online Discussions and Participation	Rubrics Lesson Plan Writing Evaluation Technique Sheets Frequency and Quality of Participation
4. Based on research, identify appropriate pieces of technology resources appropriate for Early Childhood Classrooms.	Assigned Readings Lecture/Discussion Research Resources Student Presentations	Rubric Assistive Technology Proposal

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

#### SEQUENCE OF TOPICS:

1. Course Introduction/ Discussion of Course Requirements and Objectives
2. Overview of Blackboard Class Set-Up
3. Theory: Lesson Plan Writing (Format)
4. Theory: Evaluating Software Properly (Format)
5. Integrating Educational Technology into the Pre K -4<sup>th</sup> grade Curriculum
6. Evaluating Educational Technology and Integration Strategies appropriate to Pre K-4<sup>th</sup> grade
7. Software: Integration of *Kidspiration* into Early Childhood Classroom Discussion
8. Software: Integration of *Graph Club* into Early Childhood Classroom Discussion
9. Software: Integration of *Kid Pix* into Early Childhood Classroom Discussion
10. Application of Software Productivity Tools for Early Childhood Educators
11. Software: Integration of-Microsoft *Word* into Early Childhood Classroom Discussion
12. Software: Integration of Microsoft *PowerPoint* into Early Childhood Classroom Discussion
13. Software: Microsoft *Excel* Productivity Tool for Early Childhood Classroom Teachers
14. Software: Integration of *SMART Notebook* into Early Childhood Classroom Discussion
15. Technology, Digital Media, and Curriculum Integration

16. Technology Integration Best Practices/Viewing Classroom Techniques on Video
17. Software Evaluation Student Presentations of Early Childhood software
18. Internet- Based Software: *Reading A-Z, Brain Pop Jr., Study Island, Dreambox*
19. Assistive Technology/Internet Research on AT and class presentations
20. The Changing Face of Education - Teaching Online
21. *WebQuests*: Investigation and Creation for Early Childhood Classrooms
22. Web Searches – Finding Lesson Plans and Resources for Teachers
23. OER Resources: *Amazon Inspire*
24. Security Issues, Ethics, and Emerging Technologies in Education
25. Thematic Unit: Culminating Student Final Presentations

#### LEARNING MATERIALS:

Textbook:

Gunter, Shelly Cashman. *Teachers Discovering Computers: Integrating Technology in a Changing World* (8<sup>th</sup> ed.).

Technology Needed:

Internet access, *Microsoft Office Suite*, MC3 Email account, one additional educational software package of choice.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

#### COURSE APPROVAL:

Prepared by: Meryl Sultanik

Date: 2/19/2018

VPAA/Provost or designee Compliance Verification:

Date: 4/9/2018



*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*