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

COURSE DESCRIPTION:
*Teaching with Technology in Early Childhood (EDU 121)* focuses on technology integration for PreK-4th 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

Upon successful completion of this course, the student will:

| LEARNING OUTCOMES | 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<br><br>Student Presentations<br><br>Software/Web/Technology Evaluations<br><br>Online Discussions and Participation | Rubrics<br><br>Evaluation Technique Sheets<br><br>Frequency and Quality of Participation |
| 2. Apply instructional strategies that effectively integrate technology use in Early Childhood classrooms. | Multimedia Materials Demonstration and Practice<br><br>Lecture/Discussion<br><br>Performance Competencies | Rubrics<br><br>Lesson Plan Writing |
| 3. Demonstrate appropriate classroom integration of technology. | Multimedia Materials Demonstration and Practice<br><br>Lecture/Discussion | Rubrics<br><br>Lesson Plan Writing<br>Evaluation Technique Sheets |

| | Performance Competencies | Frequency and Quality of Participation |
| --- | --- | --- |
| | Research Resources | |
| | Student Presentations | |
| | Software/Web/Technology Evaluations | |
| | Online Discussions and Participation | |
| 4. Based on research, identify appropriate pieces of technology resources appropriate for Early Childhood Classrooms. | Assigned Readings | Rubric |
| | Lecture/Discussion | Assistive Technology Proposal |
| | Research Resources | |
| | Student Presentations | |

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 *Canvas* Class Set-Up
3. Theory:  Lesson Plan Writing (Format)
4. Theory:  Evaluating Software Properly (Format)
5. Integrating Educational Technology into the Pre K -4th grade Curriculum
6. Evaluating Educational Technology and Integration Strategies appropriate to Pre K-4th 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* (8th 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:  2/19/18
VPAA/Provost or designee Compliance Verification:
              Victoria L. Bastecki-Perez, Ed.D.                      Date:

Revised by:   Meryl Sultanik                                         Date:  9/9/2024
VPAA or designee Compliance Verification:              Date:   11/13/2024

*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.*