Montgomery County Community College
CIS/EDU 120
Teaching with Technology in Middle Years and Secondary Education
3-3-0

COURSE DESCRIPTION:
This course will give students the opportunities to 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. This course focuses on technology integration for grades 5-12 classrooms.

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 Middle and High School 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 Middle and High School 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. Research and Identify appropriate pieces of technology resources appropriate for Middle and High School classroom use.	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 Curriculum
6. Evaluating Educational Technology and Integration Strategies
7. Software: *Inspiration/*Integration of Software into Grades 5-12 Classroom Discussion
8. Software: InspireData & *Timeliner/*Integration of Software into Grades 5-12 Classroom Discussion
9. Software: *Microsoft Paint 3D & Photo Viewer/*Integration of Software into Grades 5-12 Classroom Discussion
10. Application of Software Productivity Tools for Educators
11. Software: Microsoft *Word/*Integration of Software into Grades 5-12 Classroom Discussion
12. Software: Microsoft *PowerPoint/*Integration of Software into Grades 5-12 Classroom Discussion
13. Software: Microsoft *Excel/*Integration of Software into Grades 5-12 Classroom Discussion

14. Software: *SMART Notebook/*Integration of Software into Grades 5-12 Classroom Discussion
15. Technology, Digital Media, and Curriculum Integration
16. Technology Integration Best Practices/Viewing Classroom Techniques on Video
17. Software Evaluation Student Presentations (for grades 5-12 software focus)
18. Internet- Based Software: *Brain Pop, Study Island, Google Earth, Newsela, Schoology, Quizlet, Global School*
19. Assistive Technology/Internet Research on AT and class presentations
20. The Changing Face of Education- Teaching Online
21. *WebQuests*: Investigation and Creation for Grades 5-12 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:
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: Date: 1996
Revised by: Date: 2002
Revised by: Meryl Sultanik   Date: 2/21/2013
VPAA/Provost or designee Compliance Verification:
            Victoria L. Bastecki-Perez, Ed.D.   Date: 3/14/2013

Revised by: Meryl Sultanik   Date: 8/1/2017
VPAA/Provost or designee Compliance Verification:
            Victoria L. Bastecki-Perez, Ed.D.   Date: 8/7/2017

Revised by: Meryl Sultanik   Date: 2/19/2018
VPAA/Provost or designee Compliance Verification: Date: 4/10/2018

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.