

Course Description

Catalog: The study of curriculum, instructional methods and assessment techniques to facilitate student learning in K-12 virtual and hybrid teaching environments.

Overview: Students enrolled in the course will be required to demonstrate knowledge of prevalent and relevant models of K-12 curriculum, web-based instructional methods, assessment techniques and utilize tools for the development and implementation of effective instruction in the K-12 virtual classroom.

Prerequisite(s)

Graduate Standing

Required Course Materials:

Textbooks:

- Hayes-Jacobs, H. (2010). Curriculum 21: Essential education for a changing world, Association for Secondary School Curriculum Development, Alexandria, VA.
- Beers, S. (2011). Teaching 21st Century Skills: An ASCD Action Tool, Association for Secondary School Curriculum Development, Alexandria, VA.
- Budhai, S., McLaughlin, L. (2015). Teaching the 4Cs with Technology: How Do I Use 21st Century Tools to Teach 21st Century Skills? Association for Secondary School Curriculum Development, Alexandria, VA.
- Fisher, M. (2013) Digital Learning Strategies: How Do I Assign and Assess 21st Century Work? Association for Secondary School Curriculum Development, Alexandria, VA.
- Renwick, M. (2015). 5 Myths About Classroom Technology: How do we integrate digital tools to truly enhance learning? (ASCD Arias)

Software:

For this course a variety of web-based and desktop tools will be utilized. Which will include at a minimum the following:

- Google Web-Based Productivity Tools-Docs, Sheets, Forms, Slides
- Learning Management Systems-Canvas, Edmodo, Google Classroom
- Multi-Media Tools-Screencastify, Audacity, Kaltura, PowToon and other tools for presentation of media content.
- Web-Based Accounts for various tools utilized in the course-this includes Google accounts, accounts for various presentation, assessment platforms and course management systems

Relationship to Knowledge Base

This course is a required course for students pursuing the Graduate Certificate in K-12 On-Line Teaching and can serve as an elective in the M.Ed. in Curriculum and Instruction; M.Ed. in Educational Technology and the Ed.S./Ph.D. in Curriculum and Instruction. It is appropriate for students desiring to

pursue careers in K-12 curriculum and instruction where teaching in a hybrid and/or virtual environment plays an important role. Students will acquire information, develop new ideas, and apply those ideas in practical situations.

Course Competencies

Upon completion of this course students will be able to:

- Understand and evaluate various models of curriculum for on-line and/or hybrid web-based instruction
- Understand and evaluate various models of effective instruction in virtual and hybrid environments
- Create a curriculum guide for web-based instruction in their chosen subject area
- Create an instructional map outlining a yearly curriculum for web-based instruction in their chosen subject area
- Create student assessment instruments for web-based instruction in their chosen subject area

Activities and Assignments:

- **Weekly Assignments-20% of Total Evaluation**
 - *Course Reading Assignments*-There will be a variety of tasks/mini-projects throughout the course to assess your knowledge of content related to content presented in the course. Specific details are provided in each weekly lesson as well as scoring guides/rubrics to provide guidance.
 - *Current Technology Tools/Trends Reflections*-During the course of the semester we will be looking new and changing trends in K-12 technology integration. For these assignments you will develop reflections and summarization Blogs, Specific details are provided for these reflections as well as scoring guides/rubrics to provide guidance.
- **Curriculum Projects/Presentation-40% of Total Evaluation**
 - *Curriculum Mapping Project-30%*
 - For this assignment you will develop a curriculum map for a nine week online or hybrid K-12 course. **The curriculum must be of your own design and cannot be a reposting of pre-established district or state curriculum and assessments.** This curriculum map should contain, at a minimum, five key components which are outlined in detail. These include:
 - Specific content/resources for the lesson
 - Learning targets that are the focus of the lesson
 - Assessments of student learning that will be used
 - Activities that will be part of the lesson
 - State/National/Content Standards for which the lesson aligns.
 - Templates and guidelines for the development of this assignment are provided in the Lessons & Assignments area as well as and scoring guides/rubrics for evaluation.
 - *Curriculum Project Presentation/Peer Feedback-10%*
 - Curriculum Mapping Presentation
 - For this assignment you will develop a narrated screen capture presentation which provides an overview of your curriculum mapping project and discusses its

alignment of the project to content and technology integration standards. The presentation should contain at minimum the following and should be a maximum of 10 minutes in length:

- The use of well-designed graphics which provide an overview and backdrop for the presentation
- A discussion of the targeted audience for the curriculum intervention
- A detailed discussion of the theoretical basis of the curriculum map related to a curriculum model
- A detailed overview of the curriculum map summarizing the components
 - Content, learning targets, assessments, activities, standards
- *Peer-Review/Feedback on Presentations*
 - For this assignment you are to view a minimum of three student's curriculum mapping presentations and provide feedback using a web-based survey provided on Blackboard.
 - Your feedback should be specific and detailed discussing areas that are strengths of the curriculum map and those areas that need improvement in addition to the guiding questions provided by the survey
- *Detailed guidelines for the project and a scoring guide for use in evaluation is provided in the Lesson & Assignments area.*
- **Curriculum and Assessment Project-40% of Total Evaluation**
 - *Curriculum Design-15%:*
 - For this assignment you will choose three lessons from your curriculum map and develop an on-line module using a learning management system you would use for an on-line course in your subject area. **The materials must be of your own design and cannot be a reposting of pre-established district or state curriculum and assessments or pre-established web-based lessons.** Your instrument should contain at a minimum the following:
 - Detailed descriptions of the tasks students will perform during the lesson
 - Web links, tools and resources for completing the lesson that are aligned with effective teaching methods for on-line or hybrid instruction
 - Detailed lesson plan which describes all components of the lesson
 - *Assessment Design-15%:*
 - For this assignment you will use Google Forms or other on-line web based tools to design and develop a performance assessment that you would use for an on-line course in your subject area. **The instruments must be of your own design and cannot be a reposting of pre-established district or state curriculum and assessments.** Your instrument should contain at a minimum the following:
 - Detailed descriptions of the performance task written in "student friendly" language
 - An evaluation system (checklist, ranking scale etc.) showing how you will evaluate the components

- Areas for feedback which provide space to document evidence of student performance meeting indicators and provide overall feedback
- *On-Line Module Presentation/Peer Feedback-10%*
 - *On Line Module Presentation*
 - For this assignment you will develop a narrated screen capture presentation which provides an overview of your online module and discusses its alignment of the project to content and technology integration standards. The presentation should contain at minimum the following and should be a maximum of 10 minutes in length:
 - The use of well-designed graphics which provide an overview and backdrop for the presentation
 - A discussion of the targeted audience for the curriculum intervention
 - A detailed discussion of the theoretical basis of the curriculum map related to a curriculum model
 - A detailed overview of the curriculum map summarizing the components
 - Content, learning targets, assessments, activities, standards
 - *Peer-Review/Feedback on Presentations*
 - For this assignment you are to view a minimum of three student's presentations and provide feedback using a web-based survey provided on Blackboard.
 - Your feedback should be specific and detailed discussing areas that are strengths of the curriculum map and those areas that need improvement in addition to the guiding questions provided by the survey
- *Detailed guidelines for the project and a scoring guide for use in evaluation is provided in the Lesson & Assignments area.*

Course Assessment

All grades are based on the weighted totals as described above with the total points possible on each assignment in the following categories are added together and then multiplied by a percentage of the total score.

- ***Weekly Assignments-20% of Total Evaluation***
- ***Curriculum Projects/Presentation-40% of Total Evaluation***
- ***Curriculum and Assessment Project-40% of Total Evaluation***

Grading Scale

From this weighted percentage the following scale will be used to determine the final grade in this course

- 95 to 100% A
- 85% to 94.9% B
- 75% to 84.9% C
- 65% to 74.9% D
- Below 65% F