

## **Next Gen Teaching with AI tools**

**EDUO 9371 2 Semester Credits/Units**

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### **Course Syllabus**

#### **Course Overview:**

Harness the potential of Artificial Intelligence (AI) tools in the dynamic landscape of 21st-century education and explore unprecedented opportunities for enhancing teaching and learning. Equip yourself with the latest knowledge and skills to effectively integrate AI tools into your teaching practices, ensuring alignment with current technology and education standards.

**Course Learning Objectives:** In this course, participants will have the opportunity to:

- **Understand the Role of AI in Education:** Gain a solid foundation in how AI technologies can be leveraged to enhance educational outcomes, customize learning experiences, and streamline administrative tasks.
- **Explore AI Tools:** Discover and evaluate a range of AI tools and applications that can support differentiated instruction, assessment, classroom management, and more.
- **Develop AI-Enhanced Materials:** Acquire hands-on experience in exploring, designing and implementing tools that utilize AI tools to enhance learning and engagement.

#### **Course Relation to CCS or other Professional Standards**

##### **1. Common Core State Standards (CCSS)**

- **Integration of Knowledge and Ideas:** Using AI tools to help students analyze, evaluate, and integrate information from diverse formats and media.
- **Technology Integration:** Enhancing literacy skills through the use of AI-driven educational tools and resources.

##### **2. ISTE Standards for Educators**

- **Learner:** Educators continually improve their practice by learning from and with others and exploring proven and promising practices that leverage technology to improve student learning.
- **Leader:** Educators seek out opportunities for leadership to support student empowerment and success and to improve teaching and learning.
- **Citizen:** Educators inspire students to positively contribute to and responsibly participate in the digital world.

## How to Submit Coursework

Each completed assignment in this course is submitted to the instructor for review. Follow directions at the end of each assignment on how to prepare and submit your assignments. You will receive feedback from your instructor within 5 days indicating successful completion of the assignment or the need for revision. Assignment grades will be averaged for the final course grade. Make sure to follow the instructions [for turning in an assignment](#) in Google Classroom.

* Important Module Information:	
<b>Written work:</b>	Please note that all work and writing performed in this graduate-level course must be thorough and comprehensive, reflecting the high standards and critical thinking expected at the graduate level. Quality and depth of analysis are essential for successful completion of course requirements.
<b>Submissions:</b>	Please be sure to click "TURN IN" <u>as well as leave a private comment</u> to ensure that work is graded in a timely manner. This process alerts the instructor that work has been completed.
<b>AI Tools:</b>	Many of the websites, resources, and tools in these modules may offer a variety of AI features. <u>Be sure to focus on the AI component that aligns with the specific topic</u> of the module. For example: when exploring AI for video, concentrate solely on video-related tools and avoid delving into other areas like images or worksheets. You can revisit those in their respective modules

Module #1 : AI Study Tools	
<b>Objective</b>	Discover and evaluate several AI tools and applications to help create study tools and explore formative assessments with students.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following tools listed on the course website. These may be familiar tools already and commonly used formative assessment tools. These tools have added AI as part of their ability to create formative assessment study tools. Review the AI components of the listed tools. <a href="#">AI FORMATIVE ASSESSMENT STUDY TOOLS</a>
<b>Assessment</b>	<b>AI1:</b> Using the <a href="#">template provided</a> , evaluate the AI component of two different study tools, share an example of material created using AI and reflect on how it could be beneficial as a teacher or for students. <a href="#">Directions to Submit an Assignment</a>

<b>Module #2: AI Materials and Resources</b>	
<b>Objective</b>	Discover and evaluate several AI tools and applications to help create materials and explore how AI can enhance resources for your classroom.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following tools listed on the course website. These may be familiar tools already and commonly used tools for creating content. These tools are capable in using AI as part of their ability to create classroom resources and materials. Review the AI components of the listed tools. <a href="#">AI MATERIALS and RESOURCE GENERATORS</a>
<b>Assessment</b>	<b>AI2:</b> Using the <a href="#">template provided</a> evaluate the AI component of two different material and resource tools and share an example of material created using AI. <a href="#">Directions to Submit an Assignment</a>

<b>Module #3: AI Video</b>	
<b>Objective</b>	Discover and evaluate several AI tools and applications to help create video material and explore how AI can enhance and integrate video easier into the classroom.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following tools listed on the course website. These may be familiar tools already and commonly used tools for students and teachers to create and integrate videos. These tools are capable of using AI as part of their ability to enhance the video viewing process in both watching and creating videos for the classroom. Review the AI components of the listed tools. <a href="#">AI VIDEO</a>
<b>Assessment</b>	<b>AI3:</b> Using the <a href="#">template provided</a> evaluate the AI component of tw of the video tools and share an example of material created using AI. <a href="#">Directions to Submit an Assignment</a>

<b>Module #4: AI Image Generators</b>	
<b>Objective</b>	Discover and evaluate several AI tools and applications to help create images and explore how AI can be used to enhance and integrate unique and creative images into the classroom.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following tools listed on the course website. These may be familiar tools already and commonly used tools for students and teachers to create and integrate images already. These tools are capable of using AI as part of their ability to create unique images for use in the classroom. Review the AI components of the listed tools. <a href="#">AI IMAGE GENERATORS</a>
<b>Assessment</b>	<b>AI4:</b> Using the <a href="#">template provided</a> evaluate the AI component of the use of two various image generators and share an example of material created using AI. <a href="#">Directions to Submit an Assignment</a>

Module #5: AI Assessment	
<b>Objective</b>	Discover and evaluate several AI tools and applications to help create and evaluate student assessment.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following tools listed on the course website. These may be familiar tools already and commonly used tools for students and teachers to create assessments already. These tools are capable of using AI as part of their ability to create assessments for use in the classroom. Review the AI components of the listed tools. <a href="#">AI ASSESSMENT TOOLS</a>
<b>Assessment</b>	<b>AI5:</b> Using the <a href="#">template provided</a> evaluate the AI component of the use of two various assessment generators and share an example of an assessment created using AI. <a href="#">Directions to Submit an Assignment</a>

Module #6: AI Platform Assistants	
<b>Objective</b>	Discover and evaluate several AI platform assistants.
<b>Assignment(s) Include Activities and Needed Materials</b>	Review the following services and platforms listed on the course website. These may be familiar platforms already and commonly used tools for students and teachers to have multiple tools at their disposal. These tools are capable of using AI as part of their ability to create various learning experiences for use in the classroom. Review the AI components of the listed tools. <a href="#">AI PLATFORM and ASSISTANT TOOLS</a>
<b>Assessment</b>	<b>AI8:</b> Using the <a href="#">template provided</a> , evaluate the AI component of the use of specific teacher AI platforms. There are some “one-stop” shops that use AI to assist teachers in the classroom from material creation to lesson planning. <a href="#">Directions to Submit an Assignment</a>

**Course Materials:**

[NEXT GENERATION TEACHING RESOURCE SITE](#)

### Course Assessment Rubric:

Using the Course Assessment Rubric shell below, create a course-specific rubric that helps guide students to success. Reference course objectives and assignments to help guide students.

<p style="text-align: center;"><b>EXCELLENT</b></p> <p style="text-align: center;">Meets or Exceeds Course Objectives: <b>A to A-</b></p>	<p style="text-align: center;"><b>ACCEPTABLE</b></p> <p style="text-align: center;">Majority of Work Meets Course Objectives; <b>B+ to B-</b></p>	<p style="text-align: center;"><b>NOT ACCEPTABLE</b></p> <p style="text-align: center;">Needs Considerable Improvement: Resubmit Work Suggested: <b>C or below</b></p>
<p>All work submitted reflects in-depth understanding of course objectives related to the use of AI in the classroom.</p>	<p>Most work submitted reflects in-depth understanding of course objectives related to the use of AI in the classroom..</p>	<p>Work shows little or no in-depth understanding of course objectives related to the use of AI in the classroom..</p>
<p>Assignment responses show evidence of new knowledge evidenced by thoughtful, detailed and accurate assignment responses related to the use of AI in the classroom..</p>	<p>Most assignment responses show evidence of new knowledge evidenced by thoughtful, detailed and accurate assignment responses related to the use of AI in the classroom..</p>	<p>Responses show little to no evidence of new knowledge as evidenced by lack of thoughtful, detailed and accurate assignment responses related to the use of AI in the classroom..</p>
<p>Work submitted was organized and clearly articulated. The student carefully followed all assignment instructions. The instructor did not have to provide continual assignment clarification or request revisions.</p>	<p>Most work submitted was organized and clearly articulated. The student carefully followed all assignment instructions. The instructor had to provide continual assignment clarification or ask for revisions.</p>	<p>Work submitted was not organized or not clearly articulated. The instructor had to provide constant clarification and ask for continued revisions.</p>
<p>Assignment content and required projects are original. If any part of the content was assisted by AI tools, students are required to label and clearly indicate the specific sections or materials generated or enhanced by AI.</p>	<p>Assignment content and required projects were original but may have part of the content assisted by AI tools. Students are required to label and clearly indicate the specific sections or materials generated or enhanced by AI.</p>	<p>Evidence that not all assignment content and required projects were original and proper AI recognition was not included.</p>
<p>Work is free of spelling and/or grammatical errors.</p>	<p>Work has few spelling and/or grammatical errors.</p>	<p>Work has numerous spelling and/or grammatical errors.</p>