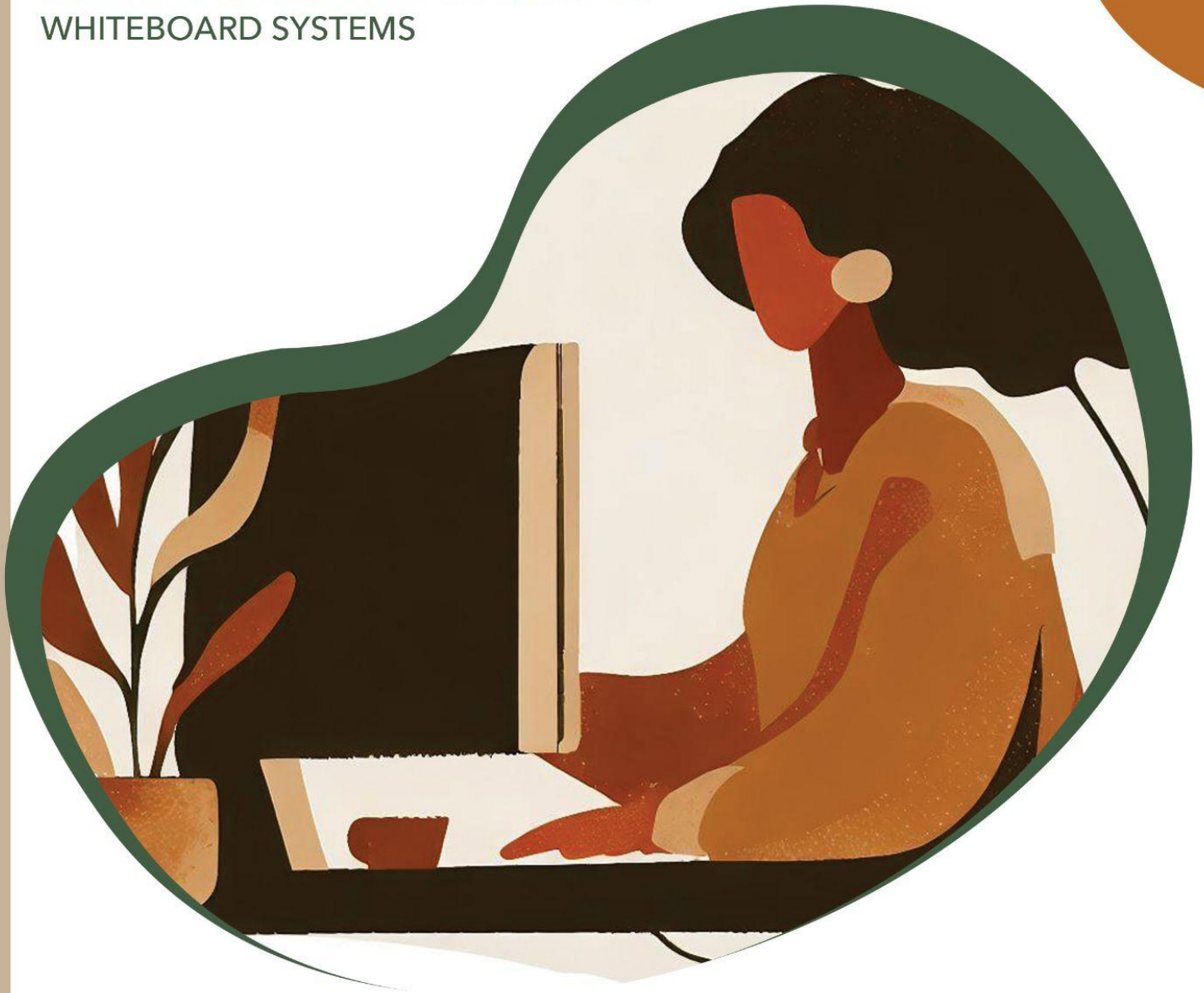# Course Syllabus

SUPPORTING UDL AND THE COMMON CORE STANDARDS WITH INTERACTIVE WHITEBOARD SYSTEMS

Supporting UDL and the Common Core Standards with Interactive Whiteboard Systems
45 Hours or 3 Graduate Credits

Course Access: Upon enrollment, you have 180 days to complete your online course in our Learning Management System. If you have any questions about course access, please email support@cecreditsonline.org, or call 425-788-7275 extension 104.

Course Description:
This course will introduce you to ways an interactive whiteboard (IWB) system can support Universal Designs for Learning (UDL) frameworks and the CCSS in subjects across the curriculum. All IWB systems can be powerful instructional tools in the hands of a trained teacher to meet the needs of diverse learners. This course includes over 40 videos of a SMART® certified teacher demonstrating the skills and how they support instruction.
Although having access to any brand of digital whiteboard is not required, it will greatly enhance your learning experience. Most of the software applications referenced are available as free downloadable trials.

Course Objectives: By the end of the course, participants will:
- Recognize the purpose and structure of the Common Core Standards
- Know the rationale and framework to differentiate instruction to meet the needs of all students
- Discover the findings of the latest research on affecting change in teacher practices
- Identify components of an interactive whiteboard system
- Comprehend how to use specific IWB skills including basic operations, manipulating graphics and objects, and integrating peripheral products
- Practice using software used in an IWB system
- Identify how IWB skills covered in this course can be applied to language arts, math, science, social studies, physical education, and art
- Apply skills learned in this course to develop your own lesson that supports support common core standards and differentiated instruction
- Discuss challenges and successes in using interactive whiteboard systems in your classroom

Student Expectations:

This online course is reflective and interactive. Participants will engage in a variety of critical thinking activities to learn, practice, and apply the skills outlined in the course. These will include journal exercises and forum exercises requiring short answers that are reviewed by a

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moderator. Each lesson is divided into multiples sections with an associated quiz. There is a midterm exam as well as a comprehensive final exam. Participants may reference course content and notes during quizzes and exams. Participation in all of these areas is necessary for students to successfully complete the course with a passing grade.

Grading Policy

100%-90% = A
89%-80% = B
79% and below is Not Passing

Course Component	Percentage of Final Grade
Forum Post Exercises/ Reflective Journals	70%
Quizzes	10%
Final Exam	20%

You must have an 80% average in order to pass and obtain University credit for this course unless your district has specified otherwise.

Credit:
- For those taking this course for credit, upon completion, the necessary paperwork will be submitted to the university that was selected at the time of purchase. Please see University Partners on our homepage for more information.
- For those taking this course for a Certificate of Completion, one will be emailed upon successful completion that may kept for your records.

Content Outline/Topics
- Lesson 1: Overview
    - 1.a Objectives
    - 1.b Description of Course Layout
- Lesson 2: Current Themes in Instruction
    - 2.a The Common Core Standards
    - 2.b Universal Design for Learning
    - 2.c Measuring Effective Teaching
- Lesson 3: Interactive Whiteboard Systems
    - 3.a Components of Integrated Digital Whiteboard Systems
    - 3.b Comparison of Digital Whiteboard System Major Brands

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- ○ 3.c Glossary of Terms & Resources
- ○ 3.d Quiz
- Lesson 4: IWB Skills- Basic Operations
  - ○ 4.a Attaching Links
  - ○ 4.b Managing Pages
  - ○ 4.c Page View Options
  - ○ 4.d Pen Tools
  - ○ 4.e Screen Capture
  - ○ 4.f Shapes, Lines and Eraser
  - ○ 4.g Recording Sound
  - ○ 4.h Basic Operations
- Lesson 5: IWB Skills- Graphics
  - ○ 5.a Gallery: Search Content Types
  - ○ 5.b Gallery: Adding And Managing Your Own Content
  - ○ 5.c Manipulation: Aligning Objects
  - ○ 5.d Manipulation: Attach Link And Sound
  - ○ 5.e Manipulation: Copy, Clone
  - ○ 5.f Manipulation: Drag And Drop
  - ○ 5.g Manipulation: Flip, Order
  - ○ 5.h Manipulation: Lock, Group
  - ○ 5.i Manipulation: Move, Rotate, Size
  - ○ 5.j Manipulation: Selecting Multiple Objects
  - ○ 5.k Properties: Fill Effects
  - ○ 5.l Properties: Line And Text Styles
  - ○ 5.m Graphics
- Lesson 6: IWB Skills- Overlay Tools
  - ○ 6.a Use & Modify Lesson Module
  - ○ 6.b Pointer & Screen Shade
  - ○ 6.c Spotlight
  - ○ 6.d Virtual Keyboard
- Lesson 7: IWB Skills- Document Camera
  - ○ 7.a Document Camera- Hardware Overview
  - ○ 7.b Document Camera- Native Software
  - ○ 7.c Document Camera- Combination With Digital Whiteboard
  - ○ 7.d Quiz
- Lesson 8: IWB Skills- General Activities
  - ○ 8.a Creating Tables
  - ○ 8.b Creating Graphic Organizers
  - ○ 8.c Creating ClipArt for Nonlinguistic Representations

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- ○ 8.d Recording a Procedure
- Lesson 9: Language Arts Integration- Editing Marks
  - ○ 9.a Lesson Activity Description
  - ○ 9.b Common Core Integration
  - ○ 9.c UDL Differentiation
  - ○ 9.d Reflective Journal/Forum Exercise
- Lesson 10: Math Integration- Measuring Tools
  - ○ 10.a Lesson Activity Description
  - ○ 10.b Common Core Integration
  - ○ 10.c UDL Differentiation
  - ○ 10.d Reflective Journal/ Forum Exercise
- Lesson 11: Science Integration- Weather Reports
  - ○ 11.a Lesson Activity Description
  - ○ 11.b Common Core Integration
  - ○ 11.c UDL Differentiation
  - ○ 11.d Reflective Journal/Forum Exercise
- Lesson 12: Social Studies Integration- Observing Details in Pictures and Maps
  - ○ 12.a Lesson Activity Description
  - ○ 12.b Common Core Integration
  - ○ 12.c UDL Differentiation
  - ○ 12.d Reflective Journal/ Forum Exercise
- Lesson 13: Physical Education Integration- Sports Strategies
  - ○ 13.a Lesson Activity Description
  - ○ 13.b UDL Differentiation
  - ○ 13.c Reflective Journal Exercise
- Lesson 14: Music Integration- Music Notation
  - ○ 14.a Lesson Activity Description
  - ○ 14.b UDL Differentiation
  - ○ 14.c Reflective Journal Exercise
- Lesson 15: Art Integration- Technique Demonstration
  - ○ 15.a Lesson Activity Description
  - ○ 15.b UDL Differentiation
  - ○ 15.c Reflective Journal Exercise
- Lesson 16: Curricular Integration- Create and Implement Your Own Lesson
  - ○ 16.a Create and Teach a Lesson
  - ○ 16.b Developing Your Practice with Professional Feedback
  - ○ 16.c Reflective Journal/ Forum Exercise
- Final Exam

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Compliance with and Commitment to the American Disabilities Act:

In compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, participants who have any condition, either permanent or temporary, which might affect their ability to complete this course, are encouraged to reach out to support@cecreditsonline.org at the beginning of the course. We will make reasonable academic and accessibility accommodations to the course.

Academic Integrity Policy:

Honesty is an essential aspect of academic integrity. Individual students are responsible for doing their own work and submitting original assignments as per the course directions. Individual students are responsible for doing their own work. Plagiarism and cheating of any kind will not be tolerated. This includes using information from the Internet without citing the website. Avoid plagiarism by appropriately acknowledging the source of the author's words and ideas.

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