

# MD Recertification Package (6 credits)



This online semester graduate credit course package contains classes to help teachers in Maryland address the required credits to renew a teaching certificate.

The MD Recertification Package includes 4 self-paced courses for a total of 6 credits from a regionally accredited university.

- Online & Hybrid Teaching for the Classroom Educator
- Pedagogy Essentials: Focus on Instructional Strategies and Curriculum Development
- Students with Disabilities: Instructional Strategies
- Systemic and Phonemic Reading Instruction

# Online & Hybrid Teaching for the Classroom Educator



## Standards:

This course aligns to the INTASC Standards including Learning Differences, Learning Environments, Content Knowledge, Assessment and Planning for Instruction.

It also aligns to the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content and Teachers Facilitate Learning.

Classroom teachers can quickly transition to becoming effective online educators. Become an online and hybrid teaching pro through this online PD course.

In the first section, teachers go through the process of preparing to teach online while also being introduced to useful tools and resources.

The second section introduces teachers to strategies for addressing text and reading in a virtual environment.

The third section presents teachers with a highly effective digital strategy for enhancing curriculum: virtual field trips. This includes how to plan, schedule, and evaluate the impact.



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1 Post-Baccalaureate  
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# Online & Hybrid Teaching for the Classroom Educator

## *Course Outline*

### SECTION A: How to Teach Online for the Classroom Teacher

#### LESSON 1: Introduction

- Online learning myths
- Research
- Online teaching myths
- Asynchronous and synchronous learning
- Blended learning
- LMS

#### LESSON 2: Delivering Content Online

- Google Classroom
- Email
- Blogs
- Social media platforms
- Webinars
- Collaborative whiteboard
- Videos

#### LESSON 3: Assessment through Collaboration and Engagement

- Engaging assessments and tools
- Collaborative assessments and tools

#### LESSON 4: Planning and Safety Considerations

- Tools for planning
- Planning template
- Safety considerations
- Grooming and predators
- Cyberbullying
- Boundaries
- Communicating with parents
- Agreements and contracts

# Online & Hybrid Teaching for the Classroom Educator

## *Course Outline*

### SECTION B: Reading through Technology in the Classroom

#### LESSON 1: Introduction

- Introducing technology in the classroom
- Technology tools
- Interactive whiteboards and clickers
- Mobile devices and computers
- Bring your own device (BYOD)
- Important terms: backups and ergonomics

#### LESSON 2: Digital Reading Technologies

- Reading on an e-book
- E-book reader explained
- E-book reader technologies
- Tablet based e-book readers
- App based e-book readers
- Finding e-books
- Reading on the Internet
- Using digital libraries
- Virtual book clubs

#### LESSON 3: Technology Supported Reading

- Pre-reading strategies
- During reading strategies
- After reading strategies

#### LESSON 4: Collaborative Reading Through Technology

- Collaborative reading using technology
- Tools for collaborative reading
- Collaborative reading strategies
- Collaborative activities

# Online & Hybrid Teaching for the Classroom Educator

## Course Outline

### SECTION C: Virtual Field Trips

#### LESSON 1: Introduction

- Characteristics
- Opportunities
- Applicability

#### LESSON 2: Virtual Field Trip Resources

- Pre-designed virtual field trips
- Resources to design virtual field trips
- Maximizing learning

#### LESSON 3: Planning a Virtual Field Trip

- Considerations
- Types of virtual field trips

#### LESSON 4: Conducting a Virtual Field Trip

- Setting the stage and goal
- Student participation and post-virtual field trip follow-up
- Drawing connections and real-world implications
- Reporting and evaluating the virtual field trip

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# Pedagogy Essentials: Focus on Instructional Strategies and Curriculum Development



## Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to the McRel Teacher Evaluation Standards including Teacher Leadership, Teachers Know Content and Teachers Facilitate Learning.

'Pedagogy' is both the science and art of education. In the teaching practice, there is often a disconnect between the theory and the reality. This course is designed to target and bridge that gap.

The first section examines how teachers use research based strategies to choose efficient instructional methods and improve student achievement.

The second section considers how teachers can develop an effective curriculum.

The third section explores practical teacher organization. You will be provided with resources that assist you in providing the best instruction and assessment for students with the least amount of time and effort.



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# Pedagogy Essentials: Focus on Instructional Strategies and Curriculum Development

## *Course Outline*

### SECTION A: Research-based Instructional Strategies

#### LESSON 1: Introduction

- The importance of education and a review of educational achievement statistics
- The benefits of incorporating research proven instructional strategies in the classroom
- Myths related to learning and teaching and the truth revealed through research

#### LESSON 2: Teacher-focused Approaches and Strategies

- Developing reflective practice
- The learning process
- A look at research-based student learning and achievement strategies
- Classroom application of strategies and approaches

#### LESSON 3: Active Learning

- The importance of active student participation and engagement
- Student engagement and active learning
- Research-based strategies
- Activities and projects

#### LESSON 4: Research-Based Strategies for Literacy and Math

- The importance of literacy
- The elements required to develop good reading skills
- Research-based strategies on improving students' reading skills
- The importance of developing one's writing skills
- Research-based strategies on improving students' writing skills and classroom applications of the same
- The importance of math in real life situations and the need for developing one's math skills

# Pedagogy Essentials: Focus on Instructional Strategies and Curriculum Development

## *Course Outline*

### SECTION B: Curriculum Development

#### LESSON 1: Introduction

- Curriculum development
- Curriculum vs. Syllabus
- Effective curriculum
- Curriculum planning

#### LESSON 2: Developing a Standard-based Curriculum

- Standard-based curriculum
- Yearlong curriculum
- Elements of a long-term scope and sequence of curriculum
- Types of curriculum maps
- Backwards planning
- Creating a unit plan
- Preparing an effective lesson plan

#### LESSON 3: Curriculum Integration

- Curriculum and levels of Integration
- Approaches of integration
- Interdisciplinary curriculum
- Benchmark descriptors of interdisciplinary curriculum
- Models of curriculum integration
- Implications of implementing an integrated curriculum

#### LESSON 4: Curriculum Evaluation

- Defining curriculum evaluation
- Need for evaluation
- Types and models of curriculum evaluation
- Criteria for evaluation
- Phases of curriculum evaluation
- Tools for evaluation



# Pedagogy Essentials: Focus on Instructional Strategies and Curriculum Development

## Course Outline

### SECTION C: Classroom Organization for the 21st Century

#### LESSON 1: Being an Organized Teacher

- Understanding the purpose and benefits of classroom organization
- Examining the reality of stress and burnout among teachers
- The traits of an organized teacher
- What makes a teacher organized?
- Classroom examples

#### LESSON 2: Organizing Your Classroom

- The overarching goals of organizing the classroom space and activities
- Effective classroom layout and design
- Managing classroom material - such as submissions and resources - efficiently
- Organizing classroom activities, including independent, group, and whole class work
- Strategies to manage and track student behavior positively, during lessons and through transitions

#### LESSON 3: Ten Tech Tools for Organized Teaching

- Essential considerations behind using tech to organize your classroom and teaching
- Ten useful tools/apps to organize teaching responsibilities, and the classroom applications of each

#### LESSON 4: Classroom Applications

- Planning for continuous assessments in the classroom and methods to carry them out effectively
- Working within a teaching team, partnering and preparing to be a substitute
- Organizing parent partnerships at both one-way and two-way levels
- Getting classroom projects and events efficiently planned and carried out
- Ensuring windup is productive, for teachers and students, at a daily and annual level

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# Students with Disabilities: Instructional Strategies



## Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

While it is certainly challenging to teach all students effectively, this is a real possibility. A research-based framework accommodates every learner and provides practical strategies to add elements of flexibility in teaching presentation, student expression and meaningful engagement. This course helps teachers understand and strive to meet every student's potential for academic excellence.

Teachers will better understand the IEP process through examples for designing, planning, and implementing an IEP and consider assistive communication techniques that can improve classroom communication for students with disabilities. This course provides teachers with tools, strategies, and technologies to create an inclusive classroom.



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2 Post-Baccalaureate  
Credits



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# Students with Disabilities: Instructional Strategies

## *Course Outline*

### SECTION A: Accommodations through UDL

#### LESSON 1: Basics of UDL (Universal Design of Learning)

- The meaning and need for UDL to meet both teacher and student needs
- Designing comprehensive curriculum and effective assessments
- The basic principles of UDL and their implementation
- Using UDL to meet the varied needs of students by differentiated instruction

#### LESSON 2: Flexible Methods of Presentation

- Possible barriers to optimal student learning and strategies to overcome them
- Audio-visual and textual strategies of providing multiple options for perception
- Using variety in language, mathematical expressions, and symbols
- Essential strategies in ensuring successful comprehension, maximum transfer, and generalization of learning

#### LESSON 3: Flexible Methods of Expression

- Effective strategies to successfully engage and challenge students
- Ensuring that the expected physical engagement with the learning environment does not pose barriers for differently-abled students
- Offering alternatives for students to express themselves
- Using the UDL framework to scaffold the skills needed to demonstrate students' executive functioning

#### LESSON 4: Flexible Options for Engagement

- Providing multiple opportunities so all students are engaged in the classroom
- Strategies to create a positive classroom environment
- Ensuring that the primary goal is enhanced student learning, but eliminating distractions and irrelevant activities
- Promoting students' self-regulation by teaching them personal coping skills, self-assessment, and reflection techniques

# Students with Disabilities: Instructional Strategies

## *Course Outline*

### SECTION B: IEPs: Documentation and Implementation for Teachers

#### LESSON 1: Introduction

- Research
- Common special education terms
- Understanding IDEA and IEP
- Understanding Section 504
- The special education process

#### LESSON 2: The IEP Team

- Setting up the IEP team
- Roles and responsibilities of IEP team members and the IEP team process
- Typical IEP meeting
- Preparing for an IEP meeting

#### LESSON 3: Developing a Standards-based IEP

- Components of a standards-based IEP
- Standards-based annual goals and post-secondary goals
- Student assessment and progress
- Identifying special education services
- Year-end evaluations

#### LESSON 4: Translating IEP goals

- Models of school-based interventions
- Classroom accommodations and modifications
- Barriers to effective use of accommodations
- General types of accommodations
- Effective teaching strategies/instructional accommodations
- Testing, timing, and grading accommodations

# Students with Disabilities: Instructional Strategies

## Course Outline

### SECTION C: Assistive Communication for Every Classroom

#### LESSON 1: Introduction

- Defining Assistive Communication and exploring its benefits and function
- Identifying the laws advocating for and supporting the use of Assistive Technology
- Understanding Assistive Communication, its purpose, and the three types of Assistive Communication devices used in the classroom
- Identifying the four categories of Assistive Communication Technologies

#### LESSON 2: Low-Tech Strategies for Communication

- The six phases of the Picture Exchange Communication System method
- American Sign Language and its use in the classroom
- Practical application of the Picture Exchange Communication board and Topic rings/wallets in the classroom
- The four main types of Communication cards effective in the classroom

#### LESSON 3: High-Tech Strategies for Communication

- Different high-tech strategies and their uses for improving communication
- Computer modifications and adaptations enabling students with disabilities to achieve academic excellence
- Practical application of the devices with regard to Physical, Visual, Communication and Learning disabilities
- Identifying the smartphone applications that can enable communication

#### LESSON 4: Implementing Assistive and Alternative Communication in Classrooms

- Understanding the role of the teacher and the Assistive Communication team with regard to Assistive and Alternative communication
- Exploring the process of implementation and classroom observations of Assistive and Alternative Communication in the classrooms
- Defining the Multi-modal approach to communication and the three Levels of communication
- The strategies facilitating communication, group work, assessment, and homework

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# Systemic and Phonemic Reading Instruction



## Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

Reading requires proficiency in a range of skills from phonemic awareness, understanding context, asking questions, to analyzing types of text.

This course lays out explicit, sequential, and systematic approaches to reading instruction from developing students' early reading skills and phonemic awareness to helping every child become a competent reader, regardless of their current reading level or learning condition. This must-have course for teachers is full of multisensory instruction strategies and explicit intervention techniques, video demos, and downloadable templates.



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# Systemic and Phonemic Reading Instruction

## *Course Outline*

### SECTION A: Reading Across the Curriculum

#### LESSON 1: Research

- The importance and nature of the 'reading' skill
- Language development in the early years
- Implications of different levels of daily language exposure
- How the brain processes what we already know and have experienced to develop reading skills

#### LESSON 2: Reading Assessments

- Diversity of students' reading abilities
- The purpose of reading assessments and components
- Common reading assessments and their usage
- Cloze and CARL to measure reading performance

#### LESSON 3: Basic Reading Strategies

- Basic reading strategies and accessing results
- Essential elements and traditional lesson formats
- Pre-reading, the reading process, and post-reading
- Effective ways to extend the life of the text beyond the lesson

#### LESSON 4: Reading Across Content Areas

- Scaffolding a common textbook to support varying reading levels using four steps
- Using different books on a common topic or learning objective to meet differing needs
- Question-Answer Relationships (QARS)
- Effectively approaching different structures of texts

# Systemic and Phonemic Reading Instruction

## *Course Outline*

### SECTION B: Guided Reading

#### LESSON 1: An Overview

- Integrating guided reading into the classroom curriculum
- The pros and cons of traditional vs guided reading groups
- The foundational principles of guided reading
- Impact of guided reading, and its implementation across grades

#### LESSON 2: Procedure

- Implement a guided reading program to match individual student needs
- Manzo's 9 Steps to improve reading comprehension
- Strategies to provide differentiated instruction
- Stages of reading and assessing student levels by specific characteristics

#### LESSON 3: Strategies

- Implementing guided reading by integrating strategies
- Tips for implementing age-appropriate strategies to match student age and intellect
- The scope and implementation of guided reading for ELLs (English Language Learners), CCNs (Complex Communication Needs) and students with special needs
- Understanding the application of guided reading across curriculum
- The challenges faced during guided reading

#### LESSON 4: Resources and Organization

- Practical tips for effective implementation of the Guided Reading Program
- Managing student behavior
- Learning the key to staying organized
- Assessing the reading level of students
- Using technology effectively for guided reading groups

# Systemic and Phonemic Reading Instruction

## *Course Outline*

### SECTION C: Tackling Tough Text

#### LESSON 1: Comprehension

- The importance of building students' self-efficacy to ensure learning
- The need for appropriate background knowledge and reading strategies
- Strategies for teaching reading comprehension
- Go beyond traditional teaching models toward participatory literary practices
- The Reading Comprehension Checklist

#### LESSON 2: The Checklist

- The roadmap to activate students' background knowledge
- Understanding essential steps while working with the checklist, to ensure an internalization of the reading comprehension process
- The value of pre-reading in making stronger readers, and the four steps involved

#### LESSON 3: Working with Questions

- Understanding how to label and analyze questions that accompany the text

#### LESSON 4a: Time to Read

- Beginning the final part of the checklist; the actual reading of the text
- The process of identifying and underlining five key words in the text
- The recommended sequence of answering questions
- The importance of emphasizing students' self-confidence

#### LESSON 4b: Evaluating the Checklist

- The practical aspects and benefits of using the checklist in the classroom
- Using the evaluation in the checklist to identify areas where students need more help
- Understanding the need for tough text levels and the significance of the checklist

# Systemic and Phonemic Reading Instruction

## *Course Outline*

### SECTION D: Writing and Dyslexia: Overcoming Challenges

#### Lesson 1: Writing Challenges

- The importance of writing
- Dyslexia, dysgraphia, dyspraxia: symptoms and diagnosis
- Decoding and encoding challenges
- Handwriting and other writing challenges

#### Lesson 2: Transcription Challenges

- Spelling
- Morphology
- Phonics
- Keyboarding

#### Lesson 3: Cognitive Functions in Writing

- Writing challenges
- Memory, attention, and concentration
- Sequencing, planning, and organization
- Strategies to improve writing

#### Lesson 4: Sharpening Writing Skills

- Pre-writing
- Initial draft
- Revising
- Assessment



# Systemic and Phonemic Reading Instruction

## *Course Outline*

### SECTION E: Early Reading Skills

#### LESSON 1: Language Development

- Stages of reading development
- The role of neuroscience in language development
- Reading wars and speech-language impairments
- Reading disorders and assessment for reading disorders

#### LESSON 2: Reading Disorders

- Growth mindset approach and “think-aloud” strategy
- Zone of proximal development (ZPD)
- Gradual release of responsibility
- Fostering early literacy at home and play & literacy

#### LESSON 3: Supporting Early Literacy Skills

- Purposeful conversations and vocabulary
- Academic vocabulary and narratives
- Phonological words and syllable awareness
- Rhyming, onset, rime, and phonemic awareness

#### LESSON 4: Phonics

- Letter-sound relations and keyword for each letter
- Word building and decoding words
- Letter tiles and elkonin boxes
- Sound-spelling patterns and encoding (spelling)

# Systemic and Phonemic Reading Instruction

## Course Outline

### SECTION F: Reading in Content Areas

#### LESSON 1: Reading Fundamentals

- What is reading comprehension
- Reading disorders
- Assessments for reading, writing, and spelling
- Reading at home and school
- Growth Mindset approach

#### LESSON 2: Reading Comprehension

- Reading development
- Strategies in building reading skills
- Working memory
- Vocabulary instruction

#### LESSON 3: Comprehension Strategies

- A Purpose for reading
- Art of questioning
- Visualization skills and inferencing
- Using self-monitoring and making predictions

#### LESSON 4: Text Structure

- Why text exists and why we read
- Graphic organizers
- Informational texts
- Digital text

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