CSU-P Masters in Curriculum & Instruction
Course Sequence & Descriptions

13 courses, 38 credits

Pedagogy Courses Taken With MTI
All 3 mandatory

ED501-535- Differentiation in the Classroom: Helping All Students Find Success

The purpose of this class is to develop strategies that can help all students reach their potential. The course will specify what differentiation is, how to incorporate it into the curriculum, and how it can be applied to the classroom. The class will examine the areas of the classroom and instruction that can be differentiated and how the teacher can use a variety of strategies to modify their teaching. The text will present real-life examples of differentiated lesson plans, and teachers will work to create their own activities and strategies to help differentiate their own classrooms. Last, we will examine how a teacher can make sure that they are ready to get started and the steps to make sure that they follow through with differentiating the classroom.

ED501-542- 21st Century Digital Fluencies for Literacy

The 21st Century Digital Fluencies for Literacy will provide teachers and administrators the strategies, knowledge and skills that students must master to succeed in a culture of technology-driven automation, abundance, and access to global labor markets. To achieve this, the course and content will draw upon the course textbook, "Literacy is NOT Enough: 21st Century Fluencies for the Digital Age," by Lee Crockett, Ian Jukes, and Andrew Churches. If students are to thrive in their academic and 21st century careers, then independent and creative thinking hold the highest currency. The authors explain in detail how to add these new components of literacy:

- Solution Fluency
- Information Fluency
- Media Fluency
- Creativity Fluency
- Collaboration Fluency

The authors present an effective framework for upgrading literacy instruction for digital learners by integrating comprehensive literacy or fluency into the traditional curriculum.

ED501-575-Unlocking Students Potential with Technology

This course is designed to provide the learner with tools and strategies to teach effectively with technology. Technology itself is not a curriculum, but rather a way of organizing, delivering and receiving instruction. The course takes an experiential approach to explaining why the strategies and techniques work. This is a great course for beginners all the way to advanced technology users. The course is also great for teachers wanting to incorporate technology more effectively in their classroom/school.

This is a CSU-P Core 8-week online course

ED502- Teacher as Change Agent
Introduces strategies for professional growth including interpretation of research and professional collaboration. Prerequisite: admission to M.Ed. Program.

Elective Courses Taken With MTI
Choose Any 3

ED501-500CI-Teachers Toolbox: Proven Strategies for Student Success
The purpose of this course is to provide teachers with a variety of strategies designed to help students succeed. All of the strategies have been proven to succeed based on research conducted in the classroom. Throughout this course the educator will learn practical ways to use all nine of the strategies provided by the authors. The goal of this course is to show every educator the research and theory that can help their students.

ED501-501CI Measuring effective Teaching
This course is designed for teachers and administrators who wish to understand what evidence based research has revealed about teaching strategies' effects on student achievement. The most effective strategies will be examined as well as the methodology for showing what is most effective. The text not only presents a synthesis of educational research but also presents actual case studies that show the most effective methods used in real classrooms. This class provides a balance between presenting strategies that are linked directly to achievement with the theory that explains why they are effective and how we know

ED501-505CI Integrating Your Curriculum with STEM
This course is designed to provide the learner with tools and strategies to design integrated, interdisciplinary STEM lessons and units that are both relevant and exciting to your students. STEM in itself is not a curriculum, but rather a way of organizing and delivering instruction by weaving the STEM disciplines together in thoughtful and intentional ways. Rather than teaching the new disciplines in isolation, the engineering and technological practices should be blended into existing lessons in ways that engage the students and help them master 21st century skills.

ED501-522CI-Boys and Girls Learn Differently: Proven Methods to Design the Ultimate K-12 Classroom
In this course, K-12 educators will read the latest brain-based research on how boys and girls learn differently. You will learn how societal gender differences, socialized norms, and hard wiring affects how boys and girls learn. This course will demonstrate the importance of understanding gender theory and how it affects learning. Educators will learn practical, research-based, cutting-edge strategies to implement in the classroom to help all learners succeed. This book and course are eye-openers to the structure of education in regards to student learning and how we can help to improve learning for all students.

ED501-523CI- 50 Ways to Improve Student Behavior
Want to be a better teacher who has better student behavior and better student learning? Want less stress in your life? Want an overall happy, more effectively and efficiently run classroom? Want better student motivation? **Then this course is for you**. This graduate course and textbook focuses on you, the teacher. It is for educators of all grade levels, ethnic and social backgrounds.

This is a CSU-P Core 8-week online course

ED503- Teacher as Researcher
Develops skills at conducting and applying action research strategies to improve teaching and learning. Prerequisite: ED 502.

Elective Courses Taken With MTI
Choose Any 3

ED501-524CI-How the Brain Works: Effective Strategies & Interventions to Maximize Student Learning
How the Brain Learns is a course that presents information on how the brain processes information and how this affects how students learn. It presents suggestions on strategies to maximize student's retention. The course is designed to help teachers answer questions like "How can I help students understand and remember more of what I teach?" and "What classroom strategies are more likely to appeal to the brain of today's student?" This course explores new research on brain function and converts this information into effective classroom strategies and activities. The course introduces new evidence on how incorporating art into lessons can enhance cognitive processing and creativity. How the Brain Learns discusses integration of recent developments in neuroscience, education, and psychology into the classroom. The course also has updated research on how the explosion of technology is affecting the brain.

ED501-532CI- Brain Powered Classroom
Brain Powered Classroom: Focus, Mindfulness, Emotional Wellness will provide teachers and administrators expert guidance and inspiring stories from the field that help create a Brain Power Classroom full of engaged, focused and collaborative students. This course discusses, in detail, the 10 essentials for focus, mindfulness, and emotional wellness in the classroom. Part 1 of the course book provides scientific background, principles and insightful advice for creating an optimal classroom atmosphere. Part 2 features 30 classroom activities you can easily integrate into your current curriculum. They are divided into the "Brain Power 10 Essentials" and incorporate various modalities, such as movement, mindfulness, and focusing strategies to engage students' multiple intelligences. Using the tools in this book, teachers will be able to motivate their students to use their full brain potential as they develop into harmonious leaders with strong character and high levels of academic achievement.

ED501-534CI- Developing a Growth Mindset: For Teachers of all Ages & Curriculum
This course will provide teachers of all ages and curriculum with strategies, techniques, and activities to develop growth mindsets in their classroom. The course will help educators change the perception of mistakes and instill new habits that challenge their students. Mistakes and failures in the classroom will now be viewed as positive learning experiences. Educators will learn new ways to provide feedback, use language that promotes growth mindsets, and engage parents.

ED501-536CI- The Power of Formative Assessment
This course will provide practical ideas about changes that every teacher can make in the classroom to develop their own practice of teaching, including evidence that these changes will result in improved outcomes for learners. Research evidence will show that these practical strategies in the process of formative assessment, will increase student engagement and help teachers make their teaching more responsive to students' needs. Teachers will

explore the use of classroom questioning, feedback, and collaborative and cooperative learning to engineer effective learning environments for students.

ED501-540- The Art of Teaching: Getting the Most Out of Students
This will be a class that provides participants with a balance between theory and practice with the emphasis on what is eminently useful, usable, pragmatic, and practical. The course will purport to give the participants foundational, tested, and researched based techniques that are easily and immediately employable in their respective classrooms. The class will include discussions on why these techniques are so effective and how to best employ them not just on an individual basis but also how they could contribute to total school reform**.**

ED501-541CI-The Role of Grit: Embracing GRIT as an Educator
The course will take an in-depth look into the research conducted on grit and its correlation to success in academic and non-academic pursuits. In order to create a learning environment that teaches grit, educators must understand the demands and obstacles that need to be overcome when trying to pursue a long-term goal. Educators enrolled in this course will look at how expectations within their classroom, students taking ownership of their goals, and hopefulness will lead to their students pursuing long-term goals with passion and perseverance.

This is a CSU-P Core 8-week online course

ED504- Leading Change in America's Schools
Teachers will build their skills in learning how to effectively lead and be proactive in school change.
Prerequisite: ED 502.

This is a CSU-P Core 8-week online course and must be taken as the last of the 13 courses

ED593-Capstone/Seminar -2 credits
The **Capstone Seminar** is designed to integrate and synthesize the student's entire course of study. ... The project will enable students to demonstrate their: Knowledge of theory, research, and practice in Special Education, Teacher Leadership and School Change.