

CSUP Graduate Education Course Syllabus

Teaching with the Brain in Mind

ED 501 CLDE

Course Description:

This course teaches neurologically based approaches to instruction, using recent research to support and develop improved teaching strategies. Teachers will examine the latest research concerning how the brain constantly searches for meaning and seeks patterns and connections. Educators taking this course will understand how humans learn and remember new information. Educators will view a video that reveals how the various sectors of the brain function together in the learning process, which will lead to the development of neurologically based curriculum. Teachers will learn how to use the brain's learning systems for memory retention, storage and the retrieval of knowledge. Teachers will also write chapter reviews, research articles reviews and develop lessons or activities for classrooms. to demonstrate their knowledge of using recent research to help students retain and apply information. (3 Credits)

Credit Hours: ED 501: This three-credit ED 501 course uses a face-to-face/hybrid/synchronous online/asynchronous online, format and will require a total of 112.5 hours of student effort as shown in the Course requirements section as well.

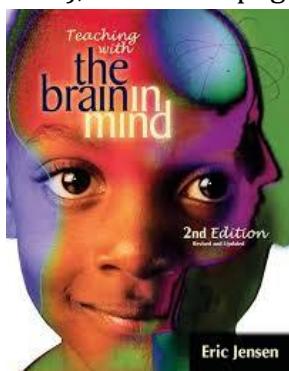
Course Format: Distance learning, independent Study Grad Course for working teacher license renewals.

Instructor: Joseph C'deBaca MAED joseph@teacherslearningcenter.com phone 727-273-4852

Catalog Description

This course teaches neurologically based approaches to instruction, using recent research to support and develop improved teaching strategies. Teachers will examine the latest research concerning how the brain constantly searches for meaning and seeks patterns and connections. Educators taking this course will understand how humans learn and remember new information. Educators will view a video that reveals how the various sectors of the brain function together in the learning process, which will lead to the development of neurologically based curriculum. Teachers will learn how to use the brain's learning systems for memory retention, storage and the retrieval of knowledge. Teachers will also write chapter reviews, research articles reviews and develop lessons or activities for classrooms. to demonstrate their knowledge of using recent research to help students retain and apply information. (3 Credits)

Required Readings: Jensen, Eric. Teaching with the Brain in Mind 2010 Alexandria, VA: Association for Supervision and Curriculum Development (ASCD), 2005. 158 pages.



Course Objectives:

1. Educators develop a working knowledge of the latest brain research and learning theory. They will also acquire a basic understanding of the brain's physiology, size, content, lobe areas and basic brain operations.
2. Educators taking this course will understand how humans actually learn and remember various new information. Teachers will learn how to use the brain's learning systems for memory retention storage and the retrieval of knowledge.
3. Educators will contrast the brain's high and low attention cycles. They will examine the special education learning issues related to ADD, LD and ADHD and the classroom implications.
4. Educators will analyze how the brain's natural reward process affects the attitudes of the students and learn techniques for developing intrinsic motivation for them to acquire new information.
5. Educators will develop and write chapter and research reviews. activities or lesson plans that help teachers improve attention and create a more effective educational environment. Utilize SLO's below.

Student Learning Outcomes: (SLOs): This course addresses the following student learning outcomes rated 1=Basic, 2=Developing, 3=Proficient, 4=Advanced

Educator Student Learning Outcome	Degree Addressed
1. Demonstrate growth in content knowledge related to teaching assignments and application of content knowledge to classroom instruction & assessment.	3
2. Understand scientifically based practices in teaching and learning, including strategies in literacy education, instructional technology, differentiation of instruction, and apply them to raise student achievement.	2
3. Demonstrate multiple means of assessing and evaluating student learning and use them to change teaching and learning.	2
4. Locate, interpret, synthesize, and apply educational research in best practices in teaching.	2
5. Understand models for professional change, including teacher collaboration, professional learning communities, strategies for mentoring and coaching to facilitate change, and effective professional development.	1
6. Demonstrate understanding of reflective practice that results in improved classroom teaching and learning, including teacher reflection, use of technology in self-assessment, collaboration for change, and self-management of change.	2
7. Demonstrate understanding of system and organizational change in education, including models for school change and current research and trends in school change.	1
8. Demonstrate responsibility for student learning at high levels.	3
9. Demonstrate responsibility for school reform and leadership in school change.	1

Course Requirements:

Read the book: Teaching with the Brain in Mind by Eric Jenson. Write chapter Reviews/Reflections for each of the chapters in the book. Research the topic using the internet, journal articles or information and then write a Research Article Review regarding the various issues related to the course. Develop a project/activity that can be used in the classroom or educational setting. Then design and write a lesson/unit plan utilizing various concepts in the book. Write a three-page Final Application Essay summarizing key dynamics from the course. Focus your writings and activities on the content or strategies from the course experience. Write about how you can apply them to your teaching methods, instructional practice and classroom or school environment. See Rubrics below. Utilize SLOs in your writings.

Course Requirements:

1. Book readings	2. Chapter reviews/reflections	3. Research Article Review
4. Lesson or Activity	5. Final Application Essay	

Student contact Hours Course Work Time 3 credits.

Requirement	Points	Student (hours)
Reading Textbook (158 total pages) Large book	30	26.5
Writing Chapter Reviews/Reflections	30	31.0
Write Research Article Reviews	10	20
View and write a Video Review	15	15
Final Application Essay	15	20
Total	100	112.5

Attendance/Participation:

Educators will choose and order their course/s at the CSUP website or www.teacherslearning.com and enroll and pay. They will receive their Course Startup documents via email and the course books will be sent by mail by Amazon or the post office. Teachers will study their syllabus and start reading and writing their assignments. They will be in contact with their TLC Instructor for guidance and support. The Independent Study and Self-Paced format allow working teachers flexibility and freedom to learn.

Term Dates:

Enrollment periods will appear on the students' transcripts. Thus, enroll in the term that you wish to See on your transcript. **Spring** – January 2nd to May 15th **Summer** – May 16th September 15th **Fall** – September 16th – December 31st

Grading: Grades automatically revert to an "F" is the course is not completed within a year.

Percentage	Grade Level	GPA
100% to 90%	A	4.0
89% to 80%	B	3.0
Not Allowed	No "C" grades	
Assignment	One Redo	

Chapter Review/Reflections: Write several paragraphs summarizing the main ideas or information you thought was significant from 14 chapter in the book. Paraphrased below. Paragraph bullet points of main issues are acceptable. See rubrics below for guidelines. Utilize above SLO's in your writings

1. Meet You're Amazing Brain	2. Preparing the Brain for School
3. Rules We Learn By	4. Motivation and Learning
5. Emotional States	6. Physical Environments for Learning
7. Managing the Social Brain	8. Motivation and Engagement
9. Critical Thinking Skills	10. Memory and Recall
11. Brain Based Teaching	12. Schools with the Brain in Mind

Writing Format Use size 12 font size and 1.5-line spacing, **Bolded** headers and titles. Feel free to use your own styling format or an APA/MA writing style format.

Email Assignments to: teacherslearningcenter@gmail.com in 1 or 2 Word docs. all together when they are all completed. Not individually. Instructor: Joseph C'de Baca 727-273-4852

Grading

Chapter Reviews & Reflections	50	90 - 100 = A
Research Article Review	20	80 - 89 = B
Video Review	10	70 - 79 = C
Lesson Plan or Activity	10	60 - 69 = D
Application Essay	<u>10</u>	0 - 59 = F
Total 100		Grade B or better required

Rubrics: Course Assignment Rubrics Chapter Reviews/Reflections

Chapter Reviews	Basic (30 pts.)	Proficient (40 pts.)	Advanced (50 pts.)
Read the book and write chapter review-reflections for each chapter in the book.	Writes a basic narrative of the chapters' contents.	Writes a general narrative of the chapters' contents with limited personal reflection.	Writes a complete narrative of the main points of each chapter.
Write 3 to 4 paragraphs summarizing the ideas,			Writes personal reflections that include the student's experiences

<p>knowledge, and information that you thought was significant from each chapter.</p> <p>Write your own personal experiences and reflections about concepts that were enlightening and applicable to teaching.</p> <p>Expanded bullet points of main issues are also acceptable.</p> <p>Include your personal experiences, ideas, and critical analysis.</p>	<p>Includes major points expressed by the author.</p> <p>Includes at least one book citation or example.</p>	<p>Expresses major points of each chapter.</p> <p>Writing includes any state, district, or national academic standards that apply.</p> <p>Includes experiential examples.</p> <p>Error Free</p>	<p>with these issues as they relate to their personal classroom experience.</p> <p>Expresses major points of each chapter and provides in-depth elaboration.</p> <p>Includes any state, district, or national academic standards that may apply.</p> <p>Includes critical analysis of the course's positive and/or limiting content and offers solutions as they apply to instructional applications in schools.</p>
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Research Article Review Assignments Rubric

Article Review	Basic (10 pts)	Proficient (15 pts)	Advanced (20 pts)
<p>Research course topic and locate 2 articles, one peer-reviewed and one secular related to course content.</p> <p>We want to see what is happening in schools nationwide regarding this topic.</p> <p>Write an article review and personal reflection connecting article with the course</p>	<p>Writes review of articles with basic citation information and briefly shows connection between course and article content.</p> <p>*Must Include a copy of the article utilized in this assignment.</p>	<p>Writes review of article with a few references of information.</p> <p>Some critical analysis and solutions.</p> <p>Explores the connection between course and article content, showing full understanding of both interrelationships for teaching considerations.</p>	<p>Writes review of article with several informative references and thoroughly demonstrates the connection between article and course content.</p> <p>Reflection incorporates abstract and critical analysis and alternatives or solutions.</p> <p>Personal experiences and perspectives are included.</p>

content and school environment.			Review applies information learned to potential classroom situations.
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Required Lesson/Unit Plan or Activity Rubric

Activity, Unit	Basic (5 pts.)	Proficient (10 pts.)	Advanced (20 pts.)
<p>Write your own Classroom Lesson plan, project or activities that demonstrate the course concepts in a school classroom or instructional environment.</p> <p>Other activities include staff development, State academic standards, parent outreach, department or committee work, curriculum development, presentations, and school events.</p>	<p>Creates a minimal activity and lesson plan that briefly demonstrates a simple application of a course concept or strategy that can be utilized in classrooms for instructional and/or evaluative applications.</p>	<p>Creates a general activity and lesson plan and unit plan that demonstrates two or more course applications of the various topics or concepts.</p> <p>Includes any state, district, or national academic standards that apply.</p> <p>Contains a variety of teaching or learning styles and concrete or abstract practical applications of a concept from the course materials.</p> <p>Error free</p>	<p>Creates a detailed activity and lesson plan or unit plan that includes a variety of teaching and learning styles.</p> <p>Contains concrete and abstract activities for practical classroom applications of several concepts from the course content.</p> <p>Addresses any state, district, or national academic standards in the activity.</p> <p>Creates a lesson plan or activity that helps students utilize course content to apply the knowledge or skills to school curriculum for their affective needs and improving academic achievement.</p>

Final-Application Essay Rubric Assignment

Application Essay	Basic (5 pts.)	Proficient (7 pts.)	Advanced (10 pts.)
<p>Write a 3-page final essay combining all the course content or assignments and show how they can be applied to</p>	<p>Writes an essay addressing how the course content can be applied</p>	<p>Writes an essay with one or two examples of how various course concepts can be developed and implemented in the</p>	<p>Thorough essay with multiple examples of how various course concepts can be developed and implemented in classroom and schools.</p>

teaching students, schools settings and staff and personal development.	to classroom instruction, student achievement, and the overall school environment.	<p>classroom and school environments.</p> <p>Writing addresses any state, district, or national academic standards.</p> <p>Addresses instructional methods, teaching strategies and effective lessons as well as students' affective needs and academic achievement.</p>	<p>Includes student's personal and experiential reflections with any state, district, or national academic standards that apply. Writing offers solutions as they apply to instructional applications in class and schools.</p> <p>Addresses instructional methods, teaching strategies and effective lessons as well as the affective needs of students along with academic achievement.</p>
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Late Work: They are late if not completed within 6 months after Registration. Late assignments will receive a 20% reduction. An "F" grade will be posted if the course work is not completed on time.

Incomplete Grades: Incomplete Grades will be handled according to the University Catalog. If an incomplete grade is issued, the student, instructor, and Associate Dean will develop an agreement for the terms of the incomplete and sign it.

Student Conduct: Students are required to follow the policies set within the Student Code of Conduct at CSU Pueblo. This Code can be found on the Student Affairs website at <https://www.csupueblo.edu/student-affairs/student-conduct/index.html>. Students with question regarding any guidelines within the Code should contact the Director of Student Conduct and Case Management at 719-549-2092.

Accommodations: Colorado State University-Pueblo abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulates that no student shall be denied the benefits of an education "solely by reason of a handicap." If you have a documented disability that may impact your work in this class and for which you may require accommodations, please see the Disability Resource & Support Center as soon as possible to arrange accommodations. In order to receive accommodations, you must be registered with and provide documentation of your disability to the Disability Resource & Support Center, which is located in the Library and Academic Resources Center, Suite 169.

Academic Dishonesty: Academic dishonesty is any form of cheating which results in students giving or receiving unauthorized assistance in an academic exercise or receiving credit for work which is not their own. In cases of academic dishonesty, the instructor will inform the chair of the department prior to implementation of punitive action. Academic dishonesty is grounds for disciplinary action by both the instructor and the Dean of Student Services and Enrollment Management. Any student judged to have engaged in academic dishonesty may receive a failing grade for the work in question, a failing grade for the course, or any other lesser penalty which

the instructor finds appropriate. To dispute an accusation of academic dishonesty, the student should first consult with the instructor. If the dispute remains unresolved, the student may then state his or her case to the department chair (or the dean if the department chair is the instructor of the course).

Mandatory Reporting: Colorado State University-Pueblo is committed to maintaining respectful, safe, and nonthreatening educational, working, and living environments. As part of this commitment, and in order to comply with federal law, the University has adopted a Policy on Discrimination, Protected Class Harassment, Sexual Misconduct, Intimate Partner Violence, Stalking, & Retaliation. You can find information regarding this policy, how to report violations of this policy, and resources available to you, on the Office of Institutional Equity's website (www.csupueblo.edu/institutional-equity).

Institutional Equity Statement

CSU Pueblo is committed to equal educational and employment opportunities and to the elimination of all forms of Discrimination, Protected Class Harassment, and Retaliation. Any campus community member in need of support, resources, or guidance is welcome to contact the Office of Institutional Equity and Title IX Coordinator via email at nicole.ferguson@csupueblo.edu, phone 719-549-2210, or in person at LARC 187.