

Course ID: EPSY 4801

Title: Cognitive Foundations for Education

Description: Cognitive psychology principles are applied to instructional methods. Processes such as attention, organization, intelligence, memory, language, concept formation, critical thinking, and problem solving are examined. Cognitive theories and models are applied to the instruction and learning of content areas and skills.

Syllabus Information Approved and Submitted to UCC

- **COURSE OBJECTIVES OR EXPECTED LEARNING OUTCOMES**

- * Learners will understand the impact of cognitive development and the learning process.
- * Learners will recognize how cultural and learner differences influence cognition and the educational process.
- * Learners will be introduced to the Behavioral, Cognitive, and Constructivist views of instruction.
- * Learners will become familiar with extrinsic and intrinsic . motivational issues
- * Learners will master cognitive strategies for creating interesting instructional environments.
- * Learners will be introduced to issues related to cognition, intelligence, and performance assessment.
- * Learners will refine their own philosophy of instruction and use cognitive principles in evaluating a unit of instruction.
- * Learners will apply the cognition concepts they have mastered in the course to answer questions about educational issues.
- * Learners will present empirical research and write a paper in APA style.
- * Learners will use a variety of their computer skills, including PowerPoint presentation software.
- * Learners will comprehend relationships between cognition and technology.
- * Learners will apply cognition concepts to real world problem solving, and learning educational skills (including reading, writing) and content areas (including mathematics, science, and social studies).

- **TOPICAL OUTLINE**

1. Introduction to Cognitive Psychology
2. Sensory, Short-Term, and Working Memory

3. Long-Term Memory: Structures and Models
4. Encoding Processes
5. Retrieval Processes
6. Beliefs About Self
7. Beliefs About Intelligence and Knowledge
8. Problem Solving and Critical Thinking
9. Building Knowledge and Reflective Thought
10. Learning to Read and Reading to Learn
11. Writing
12. Cognition in the Content Areas
13. Cognition and Technology
14. Future Directions

- **UNIVERSITY HONOR CODE AND ACADEMIC HONESTY POLICY**

UGA Student Honor Code: "I will be academically honest in all of my academic work and will not tolerate academic dishonesty of others." *A Culture of Honesty*, the University's policy and procedures for handling cases of suspected dishonesty, can be found at www.uga.edu/ovpi. Every course syllabus should include the instructor's expectations related to academic integrity.

All policies (e.g., regarding academic honesty) in the Student Handbook apply.