South Central College

ECE 2550 Cognitive Development

Common Course Outline

Course Information

Description This course provides an overview of cognitive and multimedia learning experiences in home, school, or center-based settings. Students integrate knowledge of child development, learning environments, and teaching methods to promote curiosity, attention, perception, memory, problem solving, logical thinking, and media literacy. (Prerequisite: ECE 1210)

Total Credits 3

Total Hours 48

Types of Instruction

Instruction Type	Credits/Hours
Lecture	3/48

Pre/Corequisites

Prerequisite ECE 1210

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Course Competencies

1. Review cognitive development

Learning Objectives

Review ages and stages of cognitive development
Identify cognitive goals and objectives
Review learning theory

2. Promoting curiosity

Learning Objectives

Describe curiosity/attention
Analyze learning environment/curiosity/attention
Determine curiosity/attention teaching strategies
Collect curiosity/attention learning experiences
Implement curiosity/attention learning experiences

3. Examine perception

Learning Objectives
Describe perception
Analyze learning environment/perception
Determine perception teaching strategies
Collect perception learning experiences
Implement perception attention learning experiences

4. Explore memory

Learning Objectives
Describe memory
Analyze learning environment/memory
Determine memory teaching strategies
Collect memory learning experiences
Implement memory learning experiences

5. Investigate problem solving

Learning Objectives
Describe problem solving
Analyze learning environment/problem solving
Determine problem solving teaching strategies
Collect problem solving learning experiences
Implement problem solving learning experiences

6. Examine logical thinking

Learning Objectives
Describe logical thinking
Analyze learning environment/logical thinking
Determine logical thinking teaching strategies
Collect logical thinking learning experiences
Implement logical thinking learning experiences

7. Explore number sense and number operations

Learning Objectives
Describe number sense and number operations
Analyze learning environment/number sense/number operations
Determine number sense/operations teaching strategies
Collect number sense/operations learning experiences
Implement number sense/operations learning experiences

8. Describe spatial/temporal relations

Learning Objectives
Analyze learning environment spatial/temporal relations
Determine spatial/temporal relations teaching strategies
Collect spatial/temporal relations learning experiences
Implement spatial/temporal relations learning experiences

9. Describe patterns and relationships

Learning Objectives
Analyze learning environment/ patterns and relationships
Determine patterning/relationships teaching strategies
Collect patterning/relationships learning experiences
Implement patterning/relationships learning experiences

10. Explore technology literacy

Learning Objectives
Describe technology literacy
Analyze learning environment/technology
Determine technology literacy teaching strategies

Collect technology literacy learning experiences
Implement technology learning experiences