

Human Development and Learning

EDU 302

Course Description

This course has been developed to introduce graduates to the domains of teaching and learning as they relate to and are influenced by the continuous processes of human development from childhood through adolescence and adulthood. Learners will study some major developmental theories and their impact upon human development and learning. In this course prospective teachers will explore a range of ways children develop and learn. Importantly, this course will explore individual differences of children so that prospective teachers can deal with all types of students. This in turn develops student teachers' understanding of the diverse learning styles according to the needs of children from birth to adulthood. Foremost emphasis of this course is on understanding about learning within the contexts of rapidly changing environments.

Learning Outcomes

After studying this course, students will be able to understand:

1. Basic concepts in human development, growth and learning
2. Process of human development and its classroom application
3. Various aspects and stages of human development
4. Different approaches to human learning
5. Individual differences and their effect on teaching learning

Unit 1 Concept of Human Development

- 1.1 Definition of Human Development and Growth
- 1.2 Difference between Growth and Development
- 1.3 General Principles of Human Development
- 1.4 Factors influencing Human Development

Unit 2 Aspects of Human Development

- 2.1 Human Growth and Maturation
- 2.2 Difference between Intelligence, Heredity and environment
- 2.3 Aspects of Human Development
 - 2.3.1 Physical Development
 - 2.3.2 Social Development
 - 2.3.3 Emotional Development
 - 2.3.4 Intellectual Development: Intelligence and its measurement
 - 2.3.4.1 Definition and theories of intelligence
 - 2.3.4.2 Measurement of intelligence
 - 2.3.4.3 Metacognition
 - 2.3.4.4 Theories of Forgetting
- 2.4 Personality definition
- 2.5 Theories of personality
- 2.6 Personality assessment techniques

- 4.4.3 Emotional Characteristics
- 4.4.4 Intellectual Characteristics
- 4.5 Senior High School Grades: 10,11 and 12 (15-18 years)
 - 4.5.1 Physical Characteristics
 - 4.5.2 Social Characteristics
 - 4.5.3 Emotional Characteristics
 - 4.5.4 Intellectual Characteristics

Unit 5 Transfer of Learning and Instruction

- 5.1 Definition and concept of learning
- 5.2 Process of learning
- 5.3 Definition and significance of transfer of learning
- 5.4 Theories of transfer of learning
- 5.5 Types of transfer of learning
- 5.6 Contemporary view of transfer of learning

Unit 6 Facilitating Complex Thinking

- 6.1 Forms of Thinking
 - 6.1.1 Critical thinking
 - 6.1.2 Creative thinking
 - 6.1.3 Problem solving
- 6.2 Measurement of Creativity
- 6.3 Creativity in classroom
- 6.4 Instructional strategies that stimulate complex thinking

Unit 7 Individual Differences

- 7.1 Sources and Types of Individual Differences
- 7.2 Types of Exceptional Children
 - 7.2.1 Gifted and talented
 - 7.2.2 Mentally retardation
 - 7.2.3 Physical impairments
 - 7.2.4 Emotional impairments
 - 7.2.5 Attention deficit/ Hyperactivity disorder
- 7.3 Disadvantaged Students
- 7.4 Learning Disabilities
- 7.5 Effects of individual differences on learning
- 7.6 Cognitive view of transfer of learning

Readings

- Arif, H. A. (2003) *Human Development and Learning*. Lahore: Majeed Book Depot.
- Berk, E. L. (2006) *Child Development*. (7th Ed). New York: Pearson Education, Inc
- Crain, W. (2010) *Theories of Development: Concepts and Applications*, (6th Ed). Pearson Education, Inc: ISBN-10: 0-205-81046-2
- Moreno, R. (2010) *Educational Psychology*. (1st Ed). New Maxico: John Wiley & Sons, Inc.
- Nagel, M. & Scholes, L. (2017) *Understanding Development and Learning: Implications for Teaching*. (1st Edition). Oxford University Press
- Santrock, J.W. (2001) *Educational Psychology*. Boston: McGraw Hill.
- Sigelman, K. C. & Rider, A. E. (2015) *Life-Span Human Development*. (8th Ed). USA: Cengage Learning.
- Slaven, E. R. (2006) *Educational Psychology Theory and Practice*. (8th Edition). New York: Pearson Education, Inc
- Vander Zanden, J. W. (1997) *Human Development*. (6th Ed). New York: The Mc Graw-Hill Companies, Inc.