

**Psychology 201, Summer 2007**  
**Study Guide – Exam 1**

What is development?

What are the two causes of development?

Nature vs. Nurture

Stability vs. Change

Continuity vs. Discontinuity

Normative vs. Individual Development

Qualitative vs. Quantitative Change

What is the scientific method?

Four Goals of the Scientific Enterprise

Hypothesis

What is an experiment?

Independent vs. Dependent Variables

Experimental vs. Control Group

Random Assignment

Correlational Designs

Correlational Designs vs. Experimental Design

Naturalistic Observation, Case Studies, Survey

Cross-Sectional vs. Longitudinal Designs (advantages and disadvantages to each)

Sequential Design

Theories of Development

Psychoanalytic Theory

How does personality develop in psychoanalytic theory?

Unconscious Motives

Repression

Childhood Development

What are the five stages?

Id, ego, and superego

Evaluation

Erikson

Psychosocial Theory

How does personality develop in this theory?

Lifespan development

Stages of Erikson's theory

Evaluation

Piaget

Piagetian Principles

Schema

Adaptation and Organization

Assimilation

Accommodation

Organization

Four stages of Piaget's theory

Invariant Sequence of Development

Learning Theories

## Classical Conditioning

Pavlov

Tabula Rasa/Environmental View

Association Learning

UCS

UCR

CS

CR

## Operant Conditioning

B.F. Skinner

Behaviorism

What is development according to this theory?

S-R associations

Reinforcement (negative and positive)

Punishment

Shaping

Generalization

## Social Modeling – Social Cognitive Theory (Bandura)

Direct reinforcement

Vicarious reinforcement

## Ecological Theory

Bronfenbrenner

Levels of the theory

## Genes, Environment, & Development

Chromosomes

DNA

Proteins

Gene

Homologue

Meiosis vs. Mitosis

What is the purpose of meiosis?

Crossing-over

Random assortment

Sex chromosomes

What determines the sex of a child?

Androgens

Genotype vs. Phenotype

Dominant-Recessive Genes Principle

Allele

Homozygous

Sex-linked traits

Polygenetic

Heredity-Environment Correlations

Sandra Scarr

Passive genotype-environment correlations

Evocative genotype-environment correlations

Active genotype-environment correlations

Complex Genetic Interactions

PKU

Modifier gene

Inherited Disorders

Monosomy

Trisomy

Multisomy

Down Syndrome

Fragile X Syndrome

### Prenatal Development and Birth

Prenatal Stages

Germinal Period

Blastocyst

Trophoblast

Implementation

Embryonic Period

Endoderm

Ectoderm

Placenta

Umbilical Cord

Fetal Period