

COURSE OUTLINE: Physical Development I (ED 301-2) Page 2
Instructor: Juanita Wood-Arbus (Oct. 29 - Nov. 23, 1984 inclusive)
(Office: E472 - Home phone # 942-0775)

INFANT/TODDLER CARE & EDUCATION PROGRAM

Course Description: A study in the principles and practices for the provision of individual and group physical care, including: the significances of prenatal and birth conditions; risk factors; recognition of good health and its maintenance; recognition of common childhood illnesses; immunization; preventative health measures for children in group care; growth changes and body structure and function; major reflexes of the newborn; maturational stages in infancy; environmental factors affecting growth and development; and individual differences in infants.

Course Goals: To develop an understanding of:

1. Prenatal growth and development including risk factors both environmental and biological.
2. Preventative health measures for children in group care including familiarity with and recognition of common childhood illnesses and immunization.
3. Growth changes and body structure and function for the infant period (0 - 14 months) including major reflexes of the newborn and maturational stages in infancy.
4. Environmental factors affecting growth and development.
5. Individual differences in infants.

Methodology: Lectures, class discussions, readings and handouts; student seminars, audio-visual material and guest speakers (in related areas). This course consists of a block four weeks in length. There are 16 scheduled classroom hours and the expectation that there will be 16 hours of independent study.

Texts: Child Development, fourth edition,
Ambron and Salkind,
Rinehart Press, New York, 1975/1984

Child Development, fourth edition,
Student Manual

Prevention of Mental Retardation
Fotheringham, J. and Morrison, M.,
National Institute on Mental Retardation
Downsview, Ontario, 1976.

Your Baby and Child
Penelope Leach,
Alfred A. Knopf, New York, 1984.

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Resource Texts:

Syllabus

Week I Classes 1 and 2

- A. Birth and Infancy
- Prenatal Development
Human Reproduction and Conception
- B. - Factors affecting Conception and Prenatal Development
- diet, weight, drugs, alcohol & tobacco, teratogens --
diseases and illnesses, age
- C. - Genetic Heritage
structure of cells, DNA and cell division; gene combinations;
dominance & recessiveness: genotypes and phenotypes; sex-
linked characteristics.
- D. - Genetic Counselling
- Amniocentesis, test-tube babies, abortion
- Fetoscopy, Ultrasound
- Genetic Counsellor, guest speaker
- E. - Assignment: Ambron, Chapter 2 and corresponding chapter in
Student Manual
Observational Activities: pg. 79 **DUE NOV. 5/84**

Week II Classes 3 and 4

Birth and the Neonate

- A. Labor and Birth
- Stages of labor; complications; Drugs during labor; anoxia;
Infant Mortality; Prematurity and low birth weight.
- B. Physical Characteristics of the Newborn
- Respiration
Circulation
Digestion
Skeleton
Temperature Regulation
Immunity and Infection
- C. Behaviour of the Newborn
Reflexes
Sensory Capabilities
Learning
Individual Differences

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- D. Assignment: Ambron Chapter 3 and corroborating chapter in Student Manual
Observational Activities: pages 109-110
Leach: pages 26-29 and pages 31-117 DUE NOV. 12/84
- E. Visit to NICU, General Hospital
(Date and time to be discussed in class)

Week III Classes 5 and 6

TEST/QUIZ

Physical Growth

- A. Rates of Growth
Development in Body Structures: Growth of Tissues
Growth of Systems
- B. Indices of Maturity
Changes in Shape and Posture
- C. Factors Influencing Growth & Maturation
Growth and Repair
- D. Summary and Review of Cognitive and Emotional Development
Assignment: Ambron Chapter 4 and corresponding chapter in Student Manual
Leach: pages 119 - 195
Sinclair (Human Growth after Birth) Chapters 5 & 6
Observational Activity: AMBRON - pages 155 & 156
DUE NOV. 19/84

Week IV Classes 7 and 8

- A. Disturbances of Growth
B. Common Childhood Diseases and Immunization
C. Preventative Health Measures in Group Care
D. Assignment: Leach pages 197 - 273.

Class 8 - FINAL EXAM:

Will consist of some: definitions
true/false statements
short-answer questions

Evaluation:

Class participation	5%
Quiz	35%
Final Exam	50%
Observational Activities	10%

	100%

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Observational Activities:

Are: brief written reports as directed by text to be handed
in at the beginning of each week following the assignment.
(dates are indicated on syllabus)

JWA:sdd
October 1984

Juanita Wood-Arbus