

MATERNAL, INFANT, AND CHILD NUTRITION
F&N 525
MWF 12:30 PM

Course Description:

Class 3 Cr 3. Prerequisite: F&N 435 or equivalent.

Nutrition and physiological interrelationships during pregnancy, lactation, and infancy through adolescence.

Course Objectives:

1. To develop counseling and therapeutic dietary plan for pregnant women, based on physiological and nutritional factors that play a part in fetal development and mother's medical history
2. To evaluate pediatric nutritional status based on anthropometric, laboratory data and medical history
3. To understand the physiological and environmental factors involved in growth and development of the child from infancy through adolescence.
4. To understand the factors that may affect nutritional status and development in children with chronic diseases.
5. To evaluate resources available in the area of maternal, infant, and child nutrition.
6. To apply critical thinking skills in evaluation of research in the area of maternal, infant, and child nutrition.

Instructor:

Berdine R. Martin, Ph.D

G-36 Stone Hall-office; G-50 Stone Hall-lab

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Preferred office hours: MWF 1:30-2:30

If you need to see me at another time please phone or e-mail me to make sure I'm available.

Grades, course assignments, and class notes can be accessed at the following url: [ITaP:eCourses Home](http://www.itap.purdue.edu/ilt/ecourses/) (<http://www.itap.purdue.edu/ilt/ecourses/>)

Login with your career account. This is a site in progress so there will be several additions as the semester proceeds.

Texts:

1. Morgan, JB and Dickerson JWT, Nutrition in Early Life, John Wiley & Sons, Ltd., 2003. *
2. Trahms, CM and Pipes PL. Nutrition in Infancy and Childhood, 6th Ed. CB/McGraw-Hill, 1997.* *
3. Selected references on reserve in CFS Library or on line.
* One copy is on reserve in CFS library. It is also available as an e-book
www.diesel-e-books.com/ \$45.00
www.ebookmall.com/ \$58.50
www.ebooks.com/ \$79.00

**copies on reserve in CFS library

Grading:

1. Class attendance and participation is highly recommended
2. Completion of all assignments on time
3. Written critique of 1 research article following the outline described in class
4. A written analysis of a case study which will deal with commonly encountered nutrition issues seen among pregnant women, infants or young children.
5. Final Project:
Students will select a project or paper that is related to maternal, infant or early childhood nutrition. Projects and paper topics must be approved by the course instructor. Students are encouraged to select a topic that is of interest to them. A list of appropriate topics which will serve only to give ideas and serve as a guide will be provided.
6. Tests: 3 hourly tests

Grading Summary:

| ASSIGMENT | POINTS |
|---------------|--------|
| CRITIQUE | 50 |
| CASE STUDY | 75 |
| FINAL PROJECT | 100 |
| HOURLY EXAMS | 300 |

FINAL GRADE BASED ON PERCENTAGE:

| | |
|-----------|---|
| 90-100% | A |
| 80-89% | B |
| 70-79% | C |
| 60-69% | D |
| below 60% | F |