

# MATERNAL & CHILD NUTRITION (MCN)

College of Agricultural & Environmental Sciences

## MCN 260 – Nutrition During Pregnancy (6 units)

*Course Description:* Overview of the anatomical, physiological and biochemical changes that occur during pregnancy and early development. Discussion and evaluation of nutritional/lifestyle factors associated with pregnancy outcomes and nutrition programs/interventions for pregnant women.

*Prerequisite(s):* Acceptance into Master of Advanced Studies in Maternal Child Nutrition or Graduate Group in Nutritional Biology; other students by consent of instructor.

*Learning Activities:* Lecture 5 hour(s), Term Paper.

*Enrollment Restriction(s):* Open to graduate students.

*Grade Mode:* Letter.

## MCN 261 – Lactation & Infant Nutrition (6 units)

*Course Description:* Overview of the physiological and biochemical processes underlying human lactation and nutritional needs of both mother and infant. Development of skills in assessment, nutrition counseling, education and support of new mothers and their families.

*Prerequisite(s):* MCN 260; graduate standing.

*Learning Activities:* Lecture 5 hour(s), Term Paper.

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 262 – Child & Adolescent Nutrition (6 units)

*Course Description:* Relationships among nutrition, growth, and development during childhood and adolescence. Nutritional assessment for normal and high risk groups; psychological, social, and economic factors contributing to nutritional status. Nutritional needs and interventions for special groups, including obese children/adolescents, athletes, and eating disordered.

*Prerequisite(s):* MCN 261; graduate standing.

*Learning Activities:* Lecture 5 hour(s), Term Paper.

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 263 – Applied Research Methods in Maternal & Child Nutrition (4 units)

*Course Description:* Application of epidemiological principles to the study of maternal and child nutrition. Topics include quantitative & qualitative study procedures, including study design, data collection, and related analytical techniques.

*Prerequisite(s):* Graduate standing.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 264A – Current Topics in Maternal & Child Nutrition: Principles of Adult Education (2 units)

*Course Description:* Current scientific literature related to Maternal & Child Nutrition in adult education settings. Topics include methods and theories of adult education and critical thinking skills related to research evaluation.

*Prerequisite(s):* Graduate standing.

*Learning Activities:* Seminar 2 hour(s).

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 264B – Current Topics in Maternal & Child Nutrition: Epidemiology & Evidence-Based Practice (2 units)

*Course Description:* Current scientific literature related to Maternal & Child Nutrition. Topics include epidemiology, evidence-based practice, breastfeeding promotion, and nutritional assessment of populations.

*Prerequisite(s):* Graduate standing.

*Learning Activities:* Seminar 2 hour(s).

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 264C – Current Topics in Maternal & Child Nutrition: Public Policy Development & Implementation (2 units)

*Course Description:* Current scientific literature related to Maternal & Child Nutrition. Topics include nutrition surveillance and monitoring, as well as public policy development and implementation.

*Prerequisite(s):* Graduate standing.

*Learning Activities:* Seminar 2 hour(s).

*Enrollment Restriction(s):* Restricted to students enrolled in the MAS program; other graduate students by consent of instructor.

*Grade Mode:* Letter.

## MCN 265Y – Applied Principles of Lactation Management (4 units)

*Course Description:* Applied concepts in breastfeeding support and human lactation management. Development of breastfeeding care plans that address problems encountered by lactating parents and their infants. Emphasis on evidence-based practice, professional guidelines, and professional standards of practice for lactation consultants.

*Prerequisite(s):* MCN 260 B or better; MCN 261 B or better; or consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Web Electronic Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Restricted to graduate students.

*Grade Mode:* Letter.