

NON-THESIS TRACK-Nutrition Specialization only

REQUIRED COURSES-

AG 500 Introduction to Graduate Research in the Agricultural Sciences (3) F1

AG 510 Design and Analysis of Experimental Research I: Methods for ANOVA (3)

Or KIN 590 Research Methods (3) and KIN 591 Research Design (3)

Or BIO 599 Biostatistics (3) W

AG 530 Research Proposal (3) (if KIN 590 and 591 is taken AG 530 is not required)

AGS 697 Comprehensive Examination (1) (Credit/No credit). Preparation for and completion of the written critical review. The examination may be taken no more than two times. Failure to complete it satisfactorily the second time will result in termination from the program.

FN 533 Advanced Nutrition (3) F1

Study of the experimental basis for determination of the Dietary Recommended Intakes (DRIs). Evaluation of the interrelationships between metabolism, physiology, and genetics with nutrient requirements. The role of the DRIs in preventing nutritional inadequacy and prevention of chronic disease will be examined. Written exams and oral presentations. 3 lecture/discussions. Prerequisites: FN 433, 434, and 435 or equivalent or permission of instructor.

FN 535 Recent Advances in Carbohydrate Metabolism [12 (4 x 3)] F,W,S

Recent developments and research in carbohydrate metabolism. A major nutrient class (proteins, fats, carbohydrates, vitamins and minerals) will be studied during each quarter. Each course to be subtitled identifying the nutrient class to be discussed. 3 lecture/discussions. Prerequisites: FN 433, 434, and 435 or equivalent.

FN 536 Advanced Life Cycle Nutrition (3) W odd years

Discussion of how developmental physiology and cellular growth and differentiation influence nutrient requirements during pregnancy and lactation, fetal growth, infancy, premature birth, childhood, adolescence and old age. Planning nutrition programs to meet the nutrient needs of at-risk women, infants and children. Review of the nutritionally relevant chronic diseases with age. Oral presentation and discussion of the scientific literature dealing with the life cycle. 3 lecture/discussions. Prerequisite FN 434 or permission of instructor.

FN 550 Independent Study (1-2) F,W,S,SS

Individual investigation and original study to be conducted in a field of interest selected by the student with consent of advisor. Designed to meet individual student needs. For the non-thesis student this course is used to explore the topics for the critical review. Maximum of 2 units may be earned.

FN 570 Seminar (2) W, S

Study of selected topics in nutrition and food science. Each seminar subtitled to describe its emphasis. Total credit limited to 4 units. 2 seminars. Prerequisite: graduate standing.

FN 691 Directed Study (1-2)

Individualized research in a specialized area under the direction of a faculty member which may or may not lead to a thesis. Maximum credit 2 units.

Electives (see list for Thesis option)(11)

Total(45)