## Nutrition (NUTRIT)

### NUTRIT 7020: Monogastric Nutrition
(same as AN_SCI 7312 and NEP 7020; cross-leveled with AN_SCI 4312 and NEP 4020). Principles of nutrition, feed formulation and recent research in poultry feeding. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** AN_SCI 3212 and BIOCHM 3630

### NUTRIT 7085: Problems in Nutrition
Problems in Nutrition.

**Credit Hour:** 1-6

### NUTRIT 7087: Masters Seminar in Nutrition
Masters Seminar in Nutrition.

**Credit Hour:** 1

### NUTRIT 7150: Readings in Nutrition
Readings in current nutrition research. Graded on S/U basis only.

**Credit Hour:** 1  
**Prerequisites:** 15 hours work in field and instructor's consent

### NUTRIT 7350: Nutrition During the Life Cycle
Nutritional, physiological and environmental influences on the aging process of man from conception through senescence.

**Credit Hours:** 3

### NUTRIT 7390: Medical Dietetics
Medical dietetics.

**Credit Hour:** 3-12

### NUTRIT 7650: Amino Acid and Protein Metabolism
Amino acid and protein metabolism.

**Credit Hours:** 2

### NUTRIT 8060: Comparative Nutrition and Metabolism
Comparative Nutrition and Metabolism.

**Credit Hours:** 2

### NUTRIT 8090: Masters Research in Nutrition
Investigation in any area of experimental nutrition. Thesis required. Graded on a S/U basis only.

**Credit Hour:** 1-99

### NUTRIT 8310: Nutritional Biochemistry of Lipids
(same as NEP 8310 and AN_SCI 8431). Current concepts in the nutritional regulations of lipid metabolism. Emphasis on integrating information and interpreting current research data.

**Credit Hours:** 3  
**Prerequisites:** BIOCHM 4270 and BIOCHM 4272

### NUTRIT 8320: Ruminant Nutrition
(same as AN_SCI 9432). Physiology, chemistry, microbiology, pathology of ruminants. Emphasizes digestion, absorption, metabolism, utilization of nutrients. Lecture, laboratory, assigned readings.

**Credit Hours:** 3

### NUTRIT 8340: Nutrition in Human Health
(same as NEP 8340.) Nutritional aspects of maintaining human health with emphasis on chronic disease prevention. Grades based on classroom participation and four exams.

**Credit Hours:** 3  
**Prerequisites:** BIOCHM 4270 and BIOCHM 4272; 4000-level nutrition course

### NUTRIT 8360: Nutritional Biochemistry of Carbohydrates
(same as BIOCHM 8360 and NEP 8360). Current concepts with in-depth coverage of selected examples of key regulatory steps controlling carbohydrate metabolism; emphasizing molecular mechanisms. Based entirely on research literature and taught in a tutorial format.

**Credit Hours:** 3  
**Prerequisites:** BIOCHM 4270 and BIOCHM 4272 and 4000-level nutrition course and departmental consent

### NUTRIT 8390: Molecular Biology of Mineral Nutrition
(same as BIOCHM 8390 and NEP 8390). Current concepts of metal ion transport, intracellular metal trafficking and metal-dependent regulation of gene expression. Based entirely on research literature and taught in a tutorial format.

**Credit Hours:** 3  
**Prerequisites:** BIOCHM 4270 and BIOCHM 4272 and 4000-level nutrition course

### NUTRIT 8400: Bioenergetics
(same as AN_SCI 9441). Bioenergetics.

**Credit Hours:** 3

### NUTRIT 8438: Nutrient Regulation of Gene Expression
(same as AN_SCI 8438, BIOCHM 8438 and NEP 8438). Current concepts with in-depth coverage of several minerals that illustrate themes in molecular mineral nutrition. Based entirely on research literature and taught in a tutorial format.

**Credit Hours:** 3  
**Prerequisites:** BIOCHM 4270 and BIOCHM 4272; 4000-level nutrition course

### NUTRIT 8500: Investigations in Experimental Nutrition
Written report required.

**Credit Hour:** 1-6

### NUTRIT 9087: Doctorate Seminar in Nutrition
Doctorate seminar in nutrition.

**Credit Hour:** 1
NUTRIT 9090: Doctorate Research in Nutrition
Investigation in any area of experimental nutrition. Thesis required.
Graded on a S/U basis only.

Credit Hour: 1-99