Department of Nutrition

School of Health and Human Sciences
318 Stone Building
336-334-5313
http://hhs.uncg.edu/wordpress/ntr

Faculty
Ron F. Morrison, Associate Professor and Chair of Department
Professors Beverly, Kipp, Lovelady, Zhou
Associate Professors Erikson, Haldeman
Assistant Professors Brown, Dharod, Shriver
AP Assistant Professor Ross
AP Instructor Hawkins
Adjunct Professor Gruchow
Adjunct Associate Professors Katula, Raner

The Department of Nutrition offers course instruction, research experience, and fieldwork opportunities. The curriculum is designed to train students in the three areas of focus listed below.

1. Human Nutrition and Dietetics — develops and educates students to work as agricultural extension agents; dietitians in hospitals, long-term care facilities and public health programs; nutrition education specialists; sports nutrition; consultants and entrepreneurs. The Human Nutrition and Dietetics concentration is the Didactic Program in Dietetics and meets the academic requirements of the Academy of Nutrition and Dietetics (AND). Students completing this concentration meet academic requirements to be eligible to apply to a dietetic internship or preprofessional practice program. The Didactic Program of Dietetics is currently granted approval status by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND), 120 S. Riverside Plaza, Suite 2000, Chicago, IL 60606, 312/899-0040.

2. Nutrition Science — prepares students for entry into medical, dental, chiropractic or graduate school; trains students for research and development in the biomedical, biotechnical, and pharmaceutical industries.

3. Nutrition and Wellness — provides instruction and experience in the basic nutritional sciences, community nutrition, public health education, and kinesiology, enabling graduates to work in a variety of settings such as voluntary and community health organizations, health care, government, education, and the fitness industry. This concentration also prepares students for graduate training in nutrition, public health education, and kinesiology.

Criteria for Progression in the Major

New first year and transfer students are required to have a minimum 2.50 cumulative GPA to be admitted to the B.S. in Nutrition. Additionally, all continuing students must maintain a cumulative GPA of at least 2.50 throughout the completion of the Nutrition major. Students that change their Nutrition major or concentration during the academic year will be held to the minimum 2.50 GPA requirement. If the GPA drops below 2.50, students will be contacted in writing by the Undergraduate Program Director indicating that they have dropped below the threshold and will have one semester to increase the cumulative GPA to at least 2.50. If this does not happen, the student will be dropped from the Nutrition major the following semester. Notifications to students will be made at the beginning of each fall and spring semester.

A student must earn a grade of C (a C- is not acceptable) or better in all required NTR and related area courses to graduate in each of the three concentrations offered by the department. Furthermore, students must earn a C or better in prerequisite courses to enroll in specific upper-level courses* (see course listings). A student may not receive credit for any NTR course by special examination.

No NTR course or related area course for which a grade of C (a C- is not acceptable) or better is required for the major may be taken more than twice. Students who receive a grade below C, which includes a C-, twice in the same NTR course or related area course for which a grade of C or better is required for the major will be dropped from the major.

*Specific Upper-Level Courses

Students must earn a C or better in prerequisite courses to enroll in these courses.

- NTR 531 Nutrition and Human Metabolism
- NTR 560 Advanced Nutrition
- NTR 573 Medical Nutrition Therapy

Suggested Academic Workload Guidelines

The faculty of the Department of Nutrition recognizes that many of its students must hold jobs to support college expenses. The faculty wishes to emphasize that academic excellence and scholastic achievement usually require a significant investment of time in study and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the faculty have endorsed the following recommendations:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour spent in class. Thus, students with a 15-hour course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.

2. Students who are employed more than 5–10 hours each week should consider reducing their course loads (semester hours), depending upon their study habits, learning abilities, and course work requirements.
Nutrition Major (NUTR)—B.S.
Degree: Bachelor of Science
Required: 122 semester hours, to include at least 36
hours at or above the 300 course level
Available Concentrations and AOS Codes:
Human Nutrition and Dietetics, U552 (and Didactic Program in Dietetics)
Nutrition Science, U550
Nutrition and Wellness, U533

Nutrition Major: Human Nutrition and Dietetics Concentration (NUTR)—B.S.
(and Didactic Program in Dietetics)
Degree: Bachelor of Science
Required: 122 semester hours, to include at least 36
hours at or above the 300 course level
AOS Code: U552

I General Education Core Requirements (GEC)
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GLT—Literature (3 s.h.)
Student selects 3 s.h. from GLT list.
GFA—Fine Arts (3 s.h.)
Student selects 3 s.h. from GFA list.
GPR—Philosophical, Religious, Ethical Principles (3 s.h.)
Student selects 3 s.h. from GPR list.
Humanities and Fine Arts (3 s.h.)
Student selects additional 3 s.h. from GLT, GFA, or GPR list.
GHP—Historical Perspectives (3 s.h.)
Student selects 3 s.h. from GHP list.
GNS—Natural Sciences (7 s.h.)
BIO 111 Principles of Biology I
CHE 103 General Descriptive Chemistry I
GMT—Mathematics (3 s.h.)
MAT 115 College Algebra
or
STA 108 Elementary Introduction to Probability and Statistics
GRD—Reasoning and Discourse (6 s.h.)
ENG 101 College Writing I
or
FMS 115 Freshman Seminar in Reasoning and Discourse I
or
RCO 101 College Writing I
Student selects additional 3 s.h. from GRD list.

GSB—Social and Behavioral Sciences (6 s.h.)
Student selects 6 s.h. from GSB list.
Required
PSY 121 General Psychology

II General Education Marker Requirements
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GL/GN—Global/Global Non-Western Perspectives
Four courses carrying GL/GN markers, at least one of which must carry the GN marker.
One SI (Speaking Intensive) Course
In addition to this SI Marker requirement, students must also complete a second SI course within the major. All programs have identified at least one course among their major requirements that is taught as Speaking Intensive.
One WI (Writing Intensive) Course
In addition to this WI Marker requirement, students must also complete a second WI course within the major. All programs have identified at least one course among their major requirements that is taught as Writing Intensive.

III Major and Related Area Requirements
Students must earn grades of C (2.0) or better in all major and related area required courses.

1. Required
   NTR 103 Introduction to Food Science
   NTR 203 Basic Quantitative Principles in Food and Nutrition
   NTR 213 Introductory Nutrition
   NTR 282 Introduction to Dietetics
   NTR 277 Human Physiology
   NTR 280 Fundamentals of Microbiology
   NTR 313 Nutrition Throughout the Life Cycle
   NTR 309 Quantity Food Procurement and Production
   NTR 403 Food Science and Technology
   NTR 413 Intermediate Nutrition
   NTR 421 International Nutrition and Cultural Foods
   NTR 423 Community Nutrition
   NTR 426 Management Practices for Dietetics
   NTR 428 Professionalism in Dietetics
   NTR 531 Nutrition and Human Metabolism
   NTR 550 Nutrition Assessment
   NTR 560 Advanced Nutrition
   NTR 573 Medical Nutrition Therapy
   NTR 576/KIN 576 Nutrition and Physical Fitness
   or
   KIN 375 Physiology of Sport and Physical Activity

2. Required
   BIO 111 Principles of Biology I
   BIO 277 Human Physiology
   BIO 280 Fundamentals of Microbiology
   CED 310 Helping Skills
CHE 103 General Descriptive Chemistry I
CHE 104 General Descriptive Chemistry II
CHE 110 Introductory Chemistry Laboratory
CHE 205 Introductory Organic Chemistry
CHE 206 Introductory Organic Chemistry Laboratory
ENG 101 College Writing I
ISM 110 Business Computing I
MAT 115 College Algebra
PSY 121 General Psychology
STA 108 Elementary Introduction to Probability and Statistics

IV Electives
Electives sufficient to complete total semester hours required for degree.

Nutrition Major: Nutrition Science Concentration (NUTR)—B.S.
Degree: Bachelor of Science
Required: 122 semester hours, to include at least 36 hours at or above the 300 course level
AOS Code: U550

I General Education Core Requirements (GEC)
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GLT—Literature (3 s.h.)
Student selects 3 s.h. from GLT list.
GFA—Fine Arts (3 s.h.)
Student selects 3 s.h. from GFA list.
GPR—Philosophical, Religious, Ethical Principles (3 s.h.)
Student selects 3 s.h. from GPR list.
Humanities and Fine Arts (3 s.h.)
Student selects additional 3 s.h. from GLT, GFA, or GPR list.
GHP—Historical Perspectives (3 s.h.)
Student selects 3 s.h. from GHP list.
GNS—Natural Sciences (7 s.h.)
BIO 111 Principles of Biology I
CHE 111 General Chemistry I
GMT—Mathematics (3 s.h.)
MAT 115 College Algebra
or
STA 108 Elementary Introduction to Probability and Statistics
GRD—Reasoning and Discourse (6 s.h.)
ENG 101 College Writing I
or
FMS 115 Freshman Seminar in Reasoning and Discourse I
or
RCO 101 College Writing I

Student selects additional 3 s.h. from GRD list.

II General Education Marker Requirements
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GL/GN—Global/Global Non-Western Perspectives
Four courses carrying GL/GN markers, at least one of which must carry the GN marker.

One SI (Speaking Intensive) Course
In addition to this SI Marker requirement, students must also complete a second SI course within the major. All programs have identified at least one course among their major requirements that is taught as Speaking Intensive.

One WI (Writing Intensive) Course
In addition to this WI Marker requirement, students must also complete a second WI course within the major. All programs have identified at least one course among their major requirements that is taught as Writing Intensive.

III Major and Related Area Requirements
Students must earn grades of C (2.0) or better in all major and related area required courses.

1. Required
NTR 213 Introductory Nutrition
NTR 302 Nutrition Education and Application Processes
NTR 313 Nutrition Throughout the Life Cycle
NTR 413 Intermediate Nutrition
NTR 531 Nutrition and Human Metabolism
NTR 550 Nutrition Assessment
NTR 560 Advanced Nutrition
NTR 573 Medical Nutrition Therapy

2. Required
BIO 111 Principles of Biology I
BIO 112 Principles of Biology II
BIO 277 Human Physiology
BIO 280 Fundamentals of Microbiology
BIO 355 Cell Biology
BIO 392 Genetics
CHE 111 General Chemistry I
CHE 112 General Chemistry I Laboratory
CHE 114 General Chemistry II
CHE 115 General Chemistry II Laboratory
CHE 205 Introductory Organic Chemistry
CHE 206 Introductory Organic Chemistry Laboratory
ENG 101 College Writing I
ISM 110 Business Computing I
MAT 115 College Algebra
STA 108 Elementary Introduction to Probability and Statistics

GSB—Social and Behavioral Sciences (6 s.h.)
Student selects 6 s.h. from GSB list.
IV Electives
Electives sufficient to complete total semester hours required for degree.

Nutrition Major: Nutrition and Wellness Concentration (NUTR)—B.S.
Degree: Bachelor of Science
Required: 122 semester hours, to include at least 36 hours at or above the 300 course level
AOS Code: U533

I General Education Core Requirements (GEC)
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GLT—Literature (3 s.h.)
Student selects 3 s.h. from GLT list.
GFA—Fine Arts (3 s.h.)
Student selects 3 s.h. from GFA list.
GPR—Philosophical, Religious, Ethical Principles (3 s.h.)
Student selects 3 s.h. from GPR list.
Humanities and Fine Arts (3 s.h.)
Student selects additional 3 s.h. from GLT, GFA, or GPR list.
GHP—Historical Perspectives (3 s.h.)
Student selects 3 s.h. from GHP list.
GNS—Natural Sciences (7 s.h.)
BIO 111 Principles of Biology I
CHE 103 General Descriptive Chemistry I
MAT 115 College Algebra
or
STA 108 Elementary Introduction to Probability and Statistics
GRD—Reasoning and Discourse (6 s.h.)
ENG 101 College Writing I
or
FMS 115 Freshman Seminar in Reasoning and Discourse I
or
RCO 101 College Writing I
Student selects additional 3 s.h. from GRD list.

Required
CST 105 Introduction to Communication Studies

GSB—Social and Behavioral Sciences (6 s.h.)
Student selects 6 s.h. from GSB list.

Required
PSY 121 General Psychology

II General Education Marker Requirements
See complete GEC requirements under General Education Program in the University Requirements section. See the GEC Course Summary Table for approved courses.

GL/GN—Global/Global Non-Western Perspectives
Four courses carrying GL/GN markers, at least one of which must carry the GN marker.

One SI (Speaking Intensive) Course
In addition to this SI Marker requirement, students must also complete a second SI course within the major. All programs have identified at least one course among their major requirements that is taught as Speaking Intensive.

One WI (Writing Intensive) Course
In addition to this WI Marker requirement, students must also complete a second WI course within the major. All programs have identified at least one course among their major requirements that is taught as Writing Intensive.

III Major and Related Area Requirements
Students must earn grades of C (2.0) or better in all major and related area required courses.

1. Required
NTR 103 Introduction to Food Science
NTR 203 Basic Quantitative Principles in Food and Nutrition
NTR 213 Introductory Nutrition
NTR 302 Nutrition Education and Application Processes
NTR 313 Nutrition Throughout the Life Cycle
NTR 403 Food Science and Technology
NTR 413 Intermediate Nutrition
NTR 421 International Nutrition and Cultural Foods
NTR 423 Community Nutrition
NTR 550 Nutrition Assessment
NTR 576/KIN 576 Nutrition and Physical Fitness

2. Public Health Education course
HEA 201 Personal Health

3. Kinesiology courses
KIN 220 Lifetime Wellness
KIN 375 Physiology of Sport and Physical Activity
KIN 376 Biomechanics of Sport and Physical Activity

4. Natural Sciences courses
BIO 271 Human Anatomy
BIO 277 Human Physiology
CHE 104 General Descriptive Chemistry II
CHE 110 Introductory Chemistry Laboratory

5. Counseling and Education course:
CED 310 Helping Skills

6. Mathematics course
Completion of the course listed below or pass placement exam.
MAT 115 College Algebra
7. Selected electives
   Four of the courses listed below; two must have an HEA prefix.
   CTR 102 Creating a Meaningful Life
   CTR 201 Introduction to Community Leadership
   HEA 207 International Health
   HEA 308 Introduction to Public Health
   HEA 310 Mental Health and Well-Being
   HEA 314 Public Health Diseases
   HEA 315 Epidemiology
   HEA 316 Environmental Health
   HEA 433 Gender and Health
   HEA 334 Community Health
   HEA 447 Income, Social Status, and Health
   HEA 450 Current Health Problems
   HDF 211 Human Development Across the Life Span
   KIN 230 Psychological Skills for Optimal Performance
   KIN 520 Physical Activity Programs for Underserved Youth

8. Additional requirements
   BIO 111 Principles of Biology I
   CHE 103 General Descriptive Chemistry I
   CST 105 Introduction to Communication Studies
   ENG 101 College Writing I
   ISM 110 Business Computing I
   PSY 121 General Psychology
   STA 108 Elementary Introduction to Probability and Statistics

IV Electives
   Electives sufficient to complete total semester hours required for degree.

Nutrition Minor
   Required: minimum of 15 semester hours
   AOS Code: U553

Requirements
   A student must earn a grade of C (2.0) or better in all required courses.
   1. Required
      NTR 103 Introduction to Food Science
      NTR 213 Introductory Nutrition
   2. Select
      Three courses chosen from those listed below.
      NTR 313 Nutrition Throughout the Life Cycle
      NTR 413 Intermediate Nutrition
      NTR 421 International Nutrition and Cultural Foods
      NTR 423 Community Nutrition
      NTR 531 Nutrition and Human Metabolism
      NTR 543 Maternal and Infant Nutrition
      NTR 550 Nutrition Assessment

Nutrition Disciplinary Honors

Requirements
   12 s.h. as detailed below.
   1. Honors work
      6 s.h. of the course below, taken for 3 s.h. during fall semester of senior year and 3 s.h. during spring semester of senior year.
      NTR 493 Honors Work
   2. Honors work in the major
      6 s.h. of any 500-level honors contracted NTR course

Qualifications
   • A grade of A or B in all course work used to satisfy the Honors requirements in Nutrition
   • A declared Nutrition Major
   • At least a 3.50 overall GPA at graduation

Recognition
   The designation “Completed Disciplinary Honors in Nutrition” and the title of the Senior Honors Project will be printed on the student’s official transcript.

Honors Advisor
   See Lauren Haldeman for further information and guidance about Honors in Nutrition.

NUTRITION COURSES (NTR)

NTR 103 Introduction to Food Science (3:3)
   Basic scientific principles of food preparation with emphasis on standards of selection, purchasing, preparation, storage, and preservation.
   Offered: Fall and Spring

NTR 203 Basic Quantitative Principles in Food and Nutrition (3:3)
   Basic quantitative principles of food production, food service operation, menu planning, food portioning, and menu costing developed through activities that stress adapting standard recipes, measurement conversions, developing basic culinary costing techniques, and use of nutrition-related calculations.
   Prerequisite: Grade of C (2.0) or better in MAT 115; NUTR major or minor. Pr. or Coreq.: NTR 103
   Offered: Fall and Spring

NTR 213 Introductory Nutrition (3:3)
   Basic principles of human nutrition with emphasis on the nutrients and factors which affect their utilization in the human body.
   Offered: Fall and Spring
   Distribution: GE Core: GNS, CAR: GLS

NTR 282 Introduction to Dietetics (1:0:2)
   An overview of dietetics profession that will cover scope of practice, code of ethics, resources for evidence based practice, professional organizations, career options, professional development, and professional trends.
   Prerequisite: NUTR major; sophomore, junior, or senior standing
Nutrition

NTR 302 Nutrition Education and Application Processes (3:3)
Study of communication of nutrition science through nutrition education, professional literature, and public media. Evaluation and use of professional and scientific literature in nutrition and food systems.
Prerequisite: Grade of C (2.0) or better in NTR 213 and ENG 101; or permission of instructor
Offered: Fall and Spring

NTR 309 Quantity Food Procurement and Production (3:2:3)
Procurement and production of quantity foods with an emphasis on menu planning, pre-preparation, service, sanitation, delivery systems, selection, use, and care of quantity-food equipment.
Prerequisite: Grade of C (2.0) or better in NTR 203
Offered: Fall and Spring

NTR 313 Nutrition Throughout the Life Cycle (3:3)
Principles of nutrition applied to meet the nutrient needs at different stages of the life cycle. Forces governing food availability, acceptability, nutritive quality and safety are stressed in the preparation of nutritional plans for individuals and groups.
Prerequisite: Grade of C (2.0) or better in NTR 213 or permission of instructor
Offered: Spring

NTR 401 Special Problems in Nutrition (1–4)
Individual study. Conference hours to be arranged.

NTR 403 Food Science and Technology (2:2)
Lecture covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.
Prerequisite: Grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, NTR 302; CHE 110 and CHE 101 or CHE 103 or CHE 111
Corequisite: NTR 403L
Offered: Fall and Spring

NTR 403L Food Science and Technology Laboratory (1:0:3)
Laboratory covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.
Prerequisite: Pr. grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, and NTR 302; CHE 110 and CHE 101, or CHE 103, or CHE 111
Corequisite: Coreq. NTR 403
Offered: Fall and Spring
Notes: All types of foods will be prepared and taste tested for sensory evaluation throughout the course and student grades will be based on participation in this course requirement.

NTR 413 Intermediate Nutrition (3:3)
Digestion, absorption, transport, metabolism, and function of macro- and micronutrients and phytochemicals, with emphasis on their roles in health promotion and disease prevention.
Prerequisite: Grade of C (2.0) or better in NTR 213, BIO 111, BIO 277, CHE 103, CHE 104
Offered: Fall

NTR 421 International Nutrition and Cultural Foods (3:2:2)
This course examines issues related to food insecurity and malnutrition in developing countries. Diet and food choices are explored in the context of culture, religion, and geographical conditions.
Prerequisite: NUTR major or minor; grade of C (2.0) or better in NTR 213 and NTR 313
Offered: Spring

NTR 423 Community Nutrition (3:2:3)
Current community nutrition trends with emphasis on community services, government projects, and grant proposal writing. Students will engage in community service work to gain experience with important community issues.
Prerequisite: NUTR major or minor; grade of C (2.0) or better in NTR 213, NTR 302, and NTR 313; or permission of instructor
Offered: Spring

NTR 426 Management Practices for Dietetics (3:2:3)
Management practices and administration within food-service and clinical dietetics settings. Operational assessment, evaluation, and cost control related to foodservice systems in commercial and noncommercial settings.
Prerequisite: Grade of C (2.0) or better in NTR 309
Offered: Spring

NTR 427 Undergraduate Research (2–6)
Individual study.
Prerequisite: GPA of 3.0 in nutrition, biology, and chemistry courses, or permission of the instructor
Notes: May be repeated for credit if topic changes.

NTR 469 Internship in Nutrition Management (9:0:25)
Internship experience in selected foodservice operations to enhance the educational experience. 400 hours on site plus written and oral final presentation required.
Prerequisite: NTR 303 (last offered spring '09; removed from curriculum effective fall '09), NTR 309, or equivalent, and permission of instructor

NTR 482 Professionalism in Dietetics (1:0:2)
Capstone course in dietetics covering professional practice guidelines, public policy, healthcare systems and/or policies, reimbursement, and a review of the five subject areas of the Academy of Nutrition and Dietetics and registration exam.
Prerequisite: Minimum grade of C in BIO 277, NTR 313, NTR 413, NTR 531, NTR 550, and NTR 560
Corequisite: NTR 573

NTR 493 Honors Work (3–6)
Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major
Notes: May be repeated for credit if the topic of study changes.

NTR 500 Supervised Professional Experience (1–4:0:3–12)
Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.
NTR 531 Nutrition and Human Metabolism (4:4)
Structure, function, and metabolism of nutrients and related compounds; integration of nutrient metabolism at the cellular level with total body function; practical application of basic principles of nutrient metabolism.
Prerequisite: Minimum grade of C in BIO 277, NTR 413, and CHE 103 (or CHE 111); CHE 104 (or CHE 114); CHE 110 (or CHE 112); CHE 205 (or CHE 351 and CHE 352); CHE 206 (or CHE 354); or their equivalents as determined by the instructor
Offered: Spring

NTR 534 Nutrition and Human Metabolism Laboratory (2:1:3)
Analytical procedures, their rationale and interpretations, applicable to the study of human metabolism.
Prerequisite: General chemistry and organic chemistry with labs; NTR 531 (may be taken concurrently)

NTR 543 Maternal and Infant Nutrition (3:3)
Nutritional needs of pregnant and lactating women, and infants; methods of evaluating nutritional status of these groups; effects of nutrition on pregnancy outcome and infant development.
Prerequisite: Grade of C (2.0) or better in NTR 213 (or equivalent) and BIO 277 (or equivalent)

NTR 550 Nutrition Assessment (3:2:3)
Assessment of nutritional status of healthy and ill persons before initiation of medical nutrition therapy.
Prerequisite: Grade of C (2.0) or better in NTR 213 (or equivalent) and BIO 277 (or equivalent)
Offered: Fall

NTR 553 Child and Adolescent Nutrition (3:3)
Nutritional needs of children and adolescents; methods of evaluating nutritional status of these groups; effects of nutrition on development.
Prerequisite: Grade of C (2.0) or better in NTR 213 or equivalent, and BIO 277 or equivalent

NTR 560 Advanced Nutrition (4:4)
Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient requirements for maintenance, growth, pregnancy, lactation, work, and aging.
Prerequisite: Grade of C or better in NTR 313, NTR 413, NTR 531, and BIO 277, or equivalents as determined by the instructor
Offered: Fall

NTR 573 Medical Nutrition Therapy (4:3:2)
Clinical aspects of nutrition. Development and use of therapeutic diets to combat nutritional diseases and physiological disorders.
Prerequisite: Grade of C or better in NTR 313, NTR 413, NTR 531, NTR 550, NTR 560, and BIO 277
Offered: Spring

NTR 576 Nutrition and Physical Fitness (3:3)
Metabolism during exercise, ergogenic aids, nutrients’ effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.
Prerequisite: Grade of C (2.0) or better in BIO 277, NTR 213, and NTR 413 or equivalent required. KIN 375 recommended.
Offered: Fall
Cross Listed: Same as KIN 576.

NTR 589 Experimental Course
This number reserved for experimental courses. Refer to the Course Schedule for current offerings.