

NUTRITION SCIENCE & DIETETICS (NSD)

NSD 500 Selected Topics (1-6 Credits)

David B. Falk College of Sport, Human Ecology

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

NSD 511 Nutrition Education (3 Credits)

David B. Falk College of Sport

A theoretical basis for nutrition education and opportunity to develop skills for a wide variety of individuals.

Prereq: NSD 225 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

NSD 512 Nutrition Counseling (3 Credits)

David B. Falk College of Sport

A theoretical basis for counseling related to nutrition and increased opportunities to develop nutrition counseling skills for a wide variety of individuals.

Prereq: NSD 225 and 342 and 511 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

NSD 513 Nutrition Education Experience (1 Credit)

David B. Falk College of Sport

Prepare, disseminate and evaluate nutrition education curriculum for peer or other audiences. Provide nutrition education on campus and in the community through table events, group presentations, and media campaigns.

Repeatable 5 times for 5 credits maximum

Prereq: NSD 511 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 516 Nutrition Counseling Experience (1 Credit)

David B. Falk College of Sport

An applied interaction to develop nutrition counseling skills for working with a variety of individuals for health promotion, disease prevention in preparation for conducting medical nutrition therapy.

Repeatable 2 times for 2 credits maximum

Prereq: NSD 512 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 555 Food, Culture and Environment (3 Credits)

David B. Falk College of Sport

Cross-listed with WGS 555

Understand the environment in which nutrition education and communication occur. The broader environment includes cultural diversity, the food system from farm to table, as well as functionality of food components.

Prereq: NSD 225 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

NSD 600 Selected Topics (1-6 Credits)

David B. Falk College of Sport

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

NSD 601 Mediterranean Food and Culture: Travel to Italy (0 Credits)

David B. Falk College of Sport

Double-numbered with NSD 401

This course is the travel portion of the Mediterranean Food and Culture Course. Students enrolled in NSD 452/652 in a spring term will register for this course in summer as a requirement to travel. Course is zero credits.

Prereq: NSD 652

NSD 602 South Asia: Family, Food, Culture and Healthcare Systems, Travel to India (0 Credits)

David B. Falk College of Sport

Cross-listed with HFS 602, SAS 602

Double-numbered with HFS 402, NSD 402

Course is the travel portion of NSD/HFS/SAS 469/669. Students enrolled in NSD 469/669 must register for this zero credit course in the subsequent semester for the required travel portion of the course.

Advisory recommendation Prerequisite for NSD 602

NSD 617 Integrative Food and Nutrition Therapy (3 Credits)

David B. Falk College of Sport

Double-numbered with NSD 417

This course explores the landscape of food and nutrition, past and present, the role of nutrition in therapeutic lifestyle changes and the use of food as a therapeutic modality. Additional work required by graduate students.

Shared Competencies: Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

NSD 618 Vegetarian Nutrition (3 Credits)

David B. Falk College of Sport

Double-numbered with NSD 418

This course examines history, benefits, risks, and variations of vegetarian diets. Plant sources of nutrients, and vegetarian menu planning to promote health across the life cycle.

Shared Competencies: Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

NSD 625 Nutrition for Fitness and Sports (3 Credits)

David B. Falk College of Sport

Double-numbered with NSD 425

Energy needs of activity and effect of dietary intake on performance.

Special dietary requirements of specific sports and athletic activities.

Dietary ergogenic aids; weight control; sports fads and myths; interaction of alcohol, caffeine, and tobacco on nutrition. Additional work required of graduate students.

Prereq: NSD 225 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

NSD 627 Public Health Nutrition (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 427

Examines nutrition challenges and opportunities from an ecological perspective, emphasizing population-level approaches to improve nutritional status. Integrates case studies to examine challenges and programmatic and policy solutions. Prior statistics and basic nutrition course required. Additional work required of graduate students.

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>)

NSD 635 Nutrition Leadership and Management (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 435

Business, leadership, management and organization to guide dietetics and nutrition practice and achieve operational goals through exploration of theories, conflict resolution, communication and the code of ethics for the profession of dietetics. Additional work required of graduate students.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

NSD 637 Integrative and Functional Nutrition (3 Credits)*David B. Falk College of Sport*

A focus on patient centered care using a combination of conventional evidence based medical nutrition therapies that recognize genetic uniqueness, core physiological imbalances and the role of the environment in health and disease.

Prereq: NSD 667 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 647 Weight Management, Obesity and Disordered Eating (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 447

Basic principles of weight management and role of nutrition and physical fitness in weight control. Causes, characteristics, and treatment of anorexia nervosa, bulimia, pica, and obesity; strategies for nutritional management. Additional work required of graduate students.

Prereq: NHM 225 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

NSD 648 Dietetics Practice Across the Lifespan (3 Credits)*David B. Falk College of Sport*

Integration of information necessary to understand nutrition issues of importance at different life stages with the skills to assess nutritional status of individuals with non-complex medical issues at different life stages.

Prereq: NSD 225 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 650 Dietetics Practicum (1-6 Credits)*David B. Falk College of Sport*

Structured experience in dietetics management, community, and clinical nutrition in community agencies, hospitals, and food systems operations integrated with classroom theory.

Repeatable

NSD 652 Mediterranean Food and Culture: A Florence Experience (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 452

Renowned cuisine and culture from a food studies and systems level to dietary patterns and health risks via lectures, readings, field trips and excursions from the SU Florence campus. Additional work required of graduate students.

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>)

NSD 654 Nutrition Research Methods (3 Credits)*David B. Falk College of Sport*

Integrates an understanding and application of nutrition research methods. Emphasis on evidence-based analysis.

NSD 655 Issues in Community Nutrition (3 Credits)*David B. Falk College of Sport*

Analysis of government role in meeting food and nutrition needs of selected populations. Relationship of public health and welfare policy to nutritional status. Community assessment and program evaluation.

NSD 660 Readings in Nutrition (1-3 Credits)*David B. Falk College of Sport*

Repeatable 2 times for 6 credits maximum

NSD 662 Biochemical and Physical Assessments Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 462

This class provides hands-on training in the use of common biochemical, energetic, physical, and anthropometric methodologies to evaluate nutritional status. The focus is on the nutritional and public health applications of each method.

NSD 665 Metabolism of Micronutrients (3 Credits)*David B. Falk College of Sport*

Review of the micro-nutrients, their structures, metabolic and/or physiologic functions, requirements, deficiency states and possible toxicities, nutritional assessment, food sources, and interrelationships with other nutrients.

NSD 667 Metabolism of Macronutrients (4 Credits)*David B. Falk College of Sport*

An overview of the structure and function of the major macronutrients (proteins, carbohydrates, and lipids) in the maintenance of human health. Introduction to metabolic pathways and the principles of cellular bioenergetics in the regulation and utilization of energy nutrients.

NSD 669 South Asia - Family, Food and Healthcare Systems (3 Credits)*David B. Falk College of Sport*

Cross-listed with HFS 669, SAS 669

Double-numbered with HFS 469, NSD 469

This course examines socio-cultural aspects of India from a nutrition, food systems and public health perspective using online instruction and a cultural immersion trip to India. Additional work required of graduate students.

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

NSD 670 Experience Credit (1-6 Credits)*David B. Falk College of Sport*

Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing.

Repeatable

NSD 675 Practicum Pre-Planning (0 Credits)*David B. Falk College of Sport*

Pre-planning for matching and securing a practicum. Course facilitates access to the Tevera Internship system via BlackBoard.

Repeatable 4 times for 0 credits maximum

NSD 680 Seminar in Food and Nutrition (1-3 Credits)*David B. Falk College of Sport*

Topics in food and nutrition.

Repeatable 2 times for 6 credits maximum

NSD 681 Clinical Nutrition Therapy I (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 481

Nutrition problems in adapting food habits for physical and metabolic alterations caused by selected disease states, within the context of the nutrition diagnostic and care process. Additional work required of graduate students.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

NSD 682 Clinical Nutrition Therapy I Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 482

Application of the nutrition care process, model, and diagnostic language for selected disease states to solve clinical nutrition problems. Additional work required of graduate students.

Coreq: NSD 681 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 683 Clinical Nutrition Therapy II (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 483

Nutrition problems in adapting food habits for physical and metabolic alterations caused by selected disease states within the context of the nutrition diagnostic and care process. Continuation of NSD 481/681.

Additional work required of graduate students.
Prereq: NSD 681 Please review Class Notes within Class Search Results - Class Section > View Details.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

NSD 684 Clinical Nutrition Therapy II Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 484

Application of the nutrition care process, model, and diagnostic language for selected disease states to solve clinical nutrition problems. Continuation of NSD 482/682. Additional work required of graduate students.

Prereq: NSD 682 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 685 Nutritional Genomics (3 Credits)*David B. Falk College of Sport*

An advanced study of the effects of genetic variation on optimal nutrient intake and the nutritional regulation of metabolic pathways.

NSD 690 Independent Study (1-6 Credits)*David B. Falk College of Sport*

In-depth exploration of a problem or problems. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor or instructors and the department.

Repeatable

NSD 695 Nutritional Status Evaluation (3 Credits)*David B. Falk College of Sport*

Principles and practices. Dietary, biochemical, anthropometric, and clinical procedures. Laboratory experiences.

NSD 755 Field Experience in Community Nutrition (3 Credits)*David B. Falk College of Sport*

Field experience with public and private agencies that include programs with a food and/or nutrition component.

Prereq: NSD 655 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 756 Food and Public Policy (3 Credits)*David B. Falk College of Sport*

Cross-listed with FST 756

Introduction to theory of public policy illustrated with examples of a variety of food, nutrition, and agricultural policies. Historical development of policies. Legislative and regulatory issues.

NSD 765 Problems in Human Metabolism (3 Credits)*David B. Falk College of Sport*

Selected topics in therapeutic nutrition and metabolism for students with substantial background in nutrition and disease.

Prereq: NSD 667 Please review Class Notes within Class Search Results - Class Section > View Details.

NSD 795 Research Methods (3 Credits)*David B. Falk College of Sport*

Research techniques applicable to the study of nutrition.

Repeatable 2 times for 6 credits maximum

NSD 990 Independent Study (1-6 Credits)*David B. Falk College of Sport*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable 6 times for 6 credits maximum

NSD 996 Master's Project (3 Credits)*David B. Falk College of Sport*

Inquiry in preparation for a master's project in the field of nutrition and dietetics incorporating professional literature and principles. Permission of instructor.

NSD 997 Master's Thesis (1-6 Credits)*David B. Falk College of Sport*

Repeatable

NSD 999 Dissertation (0-15 Credits)*David B. Falk College of Sport*

Repeatable