

NUTRITION SCIENCE & DIETETICS (NSD)

NSD 114 Food Safety and Quality Assurance (2 Credits)

David B. Falk College of Sport

Theory and practice of food safety and quality assurance in commercial food service operations. Origins and prevention of food-borne illness. Development and management of HACCP-based food safety systems. Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

NSD 115 Food Science I (3 Credits)

David B. Falk College of Sport

Explore principles of food science and preparation, including basic physical and chemical properties of food and the relationship to nutrition. Students analyze aspects of food quality and safety and apply concepts to hands-on production.

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

NSD 180 International Course (1-12 Credits)

David B. Falk College of Sport

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the SU academic department to assign the appropriate course level, title, and grade for the student's transcript.

Repeatable

NSD 200 Selected Topics: Nutrition Science & Dietetics (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 216 Food Service Operations (4 Credits)

David B. Falk College of Sport

Principles, concepts and application of food preparation, service, supervision and management techniques. Menu planning, production control, budget and event planning.

Repeatable 1 times for 4 credits maximum

Prereq: NSD 114 and 115

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

NSD 225 Nutrition in Health (3 Credits)

David B. Falk College of Sport

Nutrient requirements, functions, and sources. Interrelationships and application to food selection for healthy individuals. Weight control, sports nutrition and dietary supplements are discussed.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

NSD 270 Experience Credit (1-6 Credits)

David B. Falk College of Sport

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

NSD 280 International Course (1-12 Credits)

David B. Falk College of Sport

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.

Repeatable 12 times for 12 credits maximum

NSD 290 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 300 Selected Topics in Nutrition Science & Dietetics (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 314 Hospitality Human Resources Management (1-3 Credits)

David B. Falk College of Sport

Examination of human resource policies, practices, and systems required to attract, develop, and retain customer-focused employees. Emphasis on human resource issues within a diverse workforce. Instruction based classroom lecture, discussion, case studies and projects.

Prereq: NSD 216

NSD 315 Food Systems Management (3 Credits)

David B. Falk College of Sport

Course explores the interrelationship of subsystems within food service environments, introduces practices in human resource management, marketing, and sustainability planning, and studies procedures required to control revenue and cost within the food service operation.

Prereq: NSD 114 and NSD 115 and NSD 216

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

NSD 329 Pediatric Diabetes (1 Credit)

David B. Falk College of Sport

An overview of causes, characteristics and nutrition guidelines and recommendations for children with diabetes.

Prereq: NSD 326

NSD 342 Nutrition in the Life Span (3 Credits)

David B. Falk College of Sport

Human nutritional needs related to health promotion and prevention of disease throughout the life cycle. Factors influencing nutritional status and requirements during various stages are emphasized.

Prereq: NSD 225

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

NSD 343 Dietary Supplements (3 Credits)*David B. Falk College of Sport*

Explores dietary supplement regulations in USA; available supplements emphasizing weight loss, athletic performance, herbal supplements; risks and benefits, marketing, reliable information sources

Prereq: NSD 225

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

NSD 371 Dietetics Experience I (1 Credit)*David B. Falk College of Sport*

Clinical experience related to nutritional needs throughout the life cycle.

NSD 380 International Course (1-12 Credits)*David B. Falk College of Sport*

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.

Repeatable

NSD 400 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 401 Mediterranean Food and Culture: Travel to Italy (0 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 601

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 452

NSD 402 South Asia: Family, Food, Culture and Healthcare Systems, Travel to India (0 Credits)*David B. Falk College of Sport*

Cross-listed with HFS 402

Double-numbered with HFS 602, SAS 602, NSD 602

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.

Prereq: NSD 469 or HFS 469

NSD 417 Integrative Food and Nutrition Therapy (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 617

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.

Prereq: NSD 225

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

NSD 418 Vegetarian Nutrition (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 618

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.

Advisory recommendation Prereq: NSD 225

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

NSD 425 Nutrition for Fitness and Sports (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 625

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

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

NSD 427 Public Health Nutrition (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 627

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.

Prereq: NSD 225

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

NSD 435 Nutrition Leadership and Management (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 635

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

Double-numbered with NSD 647

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: NSD 225

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

NSD 452 Mediterranean Food and Culture: A Florence Experience (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 652

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.

Prereq: NSD 225

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

NSD 455 Community Nutrition (3 Credits)*David B. Falk College of Sport*

National, state, and local programs designed to meet food, nutrition, and health needs of vulnerable groups. Roles and functions of nutritionists in the community.

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

NSD 456 Nutritional Biochemistry (4 Credits)*David B. Falk College of Sport*

Structure of carbohydrates, lipids and proteins; their functions and interactions in a complex organism. Major reactions and regulation of metabolic pathways. For nutrition majors.

Prereq: CHE 106 and 116 and BIO 216 and 217

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

NSD 457 Research and Evaluation in Nutrition (3 Credits)*David B. Falk College of Sport*

Integrates an understanding and application of research methods in nutrition science. Requires evaluation of current research and builds on knowledge gained from other courses and applies it to research and evaluation.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

NSD 461 Community Nutrition Experience (1-3 Credits)*David B. Falk College of Sport*

Site visits and field experience with national, state, and local programs designed to meet food, nutrition, and health needs of vulnerable groups. Roles and functions of nutritionists in the community. Nutrition majors only.

Prereq: NSD 455

NSD 462 Biochemical and Physical Assessments Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 662

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.

Advisory recommendation Prereq: NSD 225 and NSD 456 OR an introductory level biochemistry course

NSD 466 Nutritional Biochemistry II (3 Credits)*David B. Falk College of Sport*

Metabolic processes of the body. Interrelationships and interdependence of nutritional factors.

Prereq: NSD 225 and 456 and BIO 216 and 217

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

NSD 469 South Asia - Family, Food and Healthcare Systems (3 Credits)*David B. Falk College of Sport*

Cross-listed with HFS 469

Double-numbered with HFS 669, NSD 669, SAS 669

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 470 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 476 Nutrition Seminar (1 Credit)*David B. Falk College of Sport*

Trends and opportunities in dietetics; entrepreneurship; quality assurance; assessment of personal and professional goals, development of career plan.

NSD 477 Senior Nutrition Seminar II (1 Credit)*David B. Falk College of Sport*

Showcase the outcomes of the four year nutrition program by presenting a research portfolio engaging in a networking event and completing the fourth year assessment.

Prereq: NSD 476

NSD 480 International Course (1-12 Credits)*David B. Falk College of Sport, Human Ecology*

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.

Repeatable

NSD 481 Clinical Nutrition Therapy I (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 681

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.

Prereq: NSD 225 and BIO 216 and 217

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

NSD 482 Clinical Nutrition Therapy I Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 682

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.

Prereq: NSD 225 and BIO 216 and 217; Coreq: NSD 481

NSD 483 Clinical Nutrition Therapy II (3 Credits)*David B. Falk College of Sport*

Double-numbered with NSD 683

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 481

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

NSD 484 Clinical Nutrition Therapy II Lab (1 Credit)*David B. Falk College of Sport*

Double-numbered with NSD 684

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 482; Coreq: NSD 483

NSD 490 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

NSD 497 Research Experience (1-3 Credits)*David B. Falk College of Sport*

Laboratory, clinical, or community-based research under direct supervision of NSD department faculty. Projects incorporate use of scientific methods, (quantitative and qualitative), data analysis, presentation and interpretation, and the responsibilities of research integrity.

Repeatable 6 times for 6 credits maximum

NSD 499 Honors Capstone Project (1-3 Credits)*David B. Falk College of Sport*

Completion of an Honors Capstone Project under the supervision of a faculty member.

Repeatable 3 times for 3 credits maximum

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/>)