

FOOD SCI+HUMAN NUTRITION-FSHN (FSHN)

Courses

FSHN 125 Food and Nutrition in Health Credits: 2 (2-0-0)

Course Description: Nutritional quality and safety of food related to human health.

Prerequisite: None.

Terms Offered: Fall, Spring.

Grade Modes: S/U within Student Option, Trad within Student Option.

Special Course Fee: No.

FSHN 150 Survey of Human Nutrition Credits: 3 (3-0-0)

Course Description: Basic nutrition principles and concepts; their application to personal health and interactions with societal and environmental issues.

Prerequisite: None.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 192 First Year Seminar Credit: 1 (0-0-1)

Course Description: Facilitate a successful transition to college for new incoming students by emphasizing personal growth and identifying campus resources.

Prerequisite: None.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 220 Intro to Nutrition for Sports and Fitness Credits: 3 (3-0-0)

Course Description: Introduction to nutrition regarding optimal dietary patterns and nutrient intake for general fitness and various forms of sports activities.

Prerequisite: FSHN 150 or FSHN 350.

Registration Information: Sections may be offered: Online.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 300 Food Principles and Applications Credits: 3 (3-0-0)

Course Description: Application of food preparation theories to modification and evaluation of food products.

Prerequisite: (CHEM 103 or CHEM 107 or CHEM 111) and (FSHN 150).

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 301 Food Principles and Applications Laboratory Credits: 2 (0-6-0)

Course Description: Techniques and manipulative skills for preparation and evaluation of standard and modified food products.

Prerequisite: FSHN 300, may be taken concurrently.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: Yes.

FSHN 340 Food as Preventive Medicine Credits: 3 (3-0-0)

Course Description: Food consumption patterns, individual foods, and specific food constituents (nutrients and phytochemicals) associated with health benefits.

Prerequisite: BZ 110 and BZ 111 or FSHN 150 and LIFE 102.

Restriction: Must be a: Undergraduate.

Registration Information: Credit not allowed for both FSHN 340 and FSHN 380A1.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 350 Human Nutrition Credits: 3 (3-0-0)

Course Description: Focus on the various metabolic pathways through which nutrients pass, the regulation of those pathways, how dysregulation of the pathways can lead to chronic disease, and how these pathways can be targeted for therapeutic opportunities to maximize human health.

Prerequisite: BMS 300, may be taken concurrently or HES 300, may be taken concurrently.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 360 Nutrition Assessment Credits: 2 (2-0-0)

Course Description: Principles of anthropometric, dietary, and biochemical assessment of nutritional status.

Prerequisite: FSHN 350.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 386A Practicum: Food Service Management Credits: 2 (0-0-4)

Course Description:

Prerequisite: None.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 386B Practicum: Gerontology Credits: 3 (0-0-9)

Course Description:

Prerequisite: None.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 386C Practicum: School Nutrition Credits: 3 (0-0-9)

Course Description:

Prerequisite: None.

Terms Offered: Fall, Spring.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 392 Dietetic Practice Seminar Credit: 1 (0-0-1)

Course Description: Pre-professional skills to prepare students for the pursuit of careers in the field of dietetics.

Prerequisite: (BZ 111 with a minimum grade of B and BZ 110 with a minimum grade of B or LIFE 102 with a minimum grade of B) and (CHEM 107 with a minimum grade of B and CHEM 108 with a minimum grade of B or CHEM 111 with a minimum grade of B and CHEM 112 with a minimum grade of B and CHEM 113 with a minimum grade of B) and (CHEM 245 with a minimum grade of B and CHEM 246 with a minimum grade of B) and (BMS 300 with a minimum grade of B and BMS 302 with a minimum grade of B and FSHN 150 with a minimum grade of B and FSHN 300 with a minimum grade of B and FSHN 301 with a minimum grade of B).

Registration Information: 3.000 overall GPA.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 428 Nutrition Teaching and Counseling Techniques Credits: 3 (3-0-0)

Course Description: Objectives, principles, and organization of subject matter for nutrition education and counseling.

Prerequisite: FSHN 350.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 444 Nutrition and Aging Credit: 1 (1-0-0)

Course Description: Effect of aging on nutrient needs and impact of nutrition on successful aging and health in the elderly.

Prerequisite: BZ 101 or BZ 110 or LIFE 102.

Registration Information: Offered as an online course only. Credit not allowed for both FSHN 444 and FSHN 459.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 445 Early Childhood Health, Safety, and Nutrition Credits: 3 (0-0-3)

Also Offered As: HDFS 445.

Course Description: Planning, promoting and maintaining healthy life style and safe learning environment for preschool children. Nutrition, first aid and safety, physical activity, identifying and reporting abuse, prevention and management of acute illness and chronic disease and promotion of a high-quality indoor and outdoor environment, targeted for the early childhood education professional.

Prerequisite: HDFS 310.

Registration Information: Completion of 60 credits. Offered as an online course only. Credit not allowed for both FSHN 445 and HDFS 445.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 450 Medical Nutrition Therapy Credits: 5 (4-2-0)

Course Description: Use of nutrition therapy in the treatment of acute conditions and chronic disease states.

Prerequisite: (BMS 300 or HES 300) and (FSHN 350).

Registration Information: Must register for lecture and laboratory.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: Yes.

FSHN 451 Community Nutrition Credits: 3 (3-0-0)

Course Description: Influences on nutritional status, assessment of nutrition problems and needs, planning and evaluation of nutrition intervention programs.

Prerequisite: FSHN 350, may be taken concurrently.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 455 Food Systems--Impact on Health/Food Security Credits: 2 (1-0-1)

Course Description: Conventional and alternative food systems and their impact on nutrition, health, food security, and the environment.

Prerequisite: FSHN 350 or FTEC 447.

Restriction: Must be a: Undergraduate.

Registration Information: Must register for lecture and recitation.

Sections may be offered as Mixed Face-to-Face.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 459 Nutrition in the Life Cycle Credits: 3 (3-0-0)

Course Description: Nutritional aspects associated with each phase of human life cycle including pregnancy, infancy, childhood, adolescence, and early and late adulthood.

Prerequisite: FSHN 350.

Registration Information: Credit not allowed for both FSHN 444 and FSHN 459.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 461 International Nutrition and Health Credits: 2 (2-0-0)

Course Description: Survey of the nature and scope of global nutrition issues and their impact on health.

Prerequisite: None.

Restriction: Must not be a: Freshman, Sophomore.

Registration Information: Junior standing.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 470 Integrative Nutrition and Metabolism Credits: 3 (3-0-0)

Course Description: Influence of nutrition on roles and action of hormones and gene expression on metabolism.

Prerequisite: BC 351 and FSHN 350.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 484 Supervised College Teaching Credits: Var[1-3] (0-0-0)

Course Description:

Prerequisite: None.

Registration Information: A maximum of 10 combined credits for all 384 and 484 courses are counted towards graduation requirements.

Terms Offered: Fall, Spring.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 486A Practicum: Counseling Credits: Var[1-3] (0-0-0)

Course Description:

Prerequisite: FSHN 350.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: Yes.

FSHN 486B Practicum: Nutrition Credits: Var[1-3] (0-0-0)**Course Description:** Supervised off-campus experience in nutrition.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 486C Practicum: Food Service Management Credits:****Var[1-3] (0-0-0)****Course Description:** Supervised off-campus experience in food service management.**Prerequisite:** RRM 310.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 492 Seminar in Dietetics and Nutrition Credits: 2 (0-0-2)****Course Description:** Capstone seminar in nutrition and dietetics.**Prerequisite:** None.**Restriction:** Must be a: Senior, Senior - 5yr Bachelor, Senior - Post Bachelor, Senior - Second Bachelor.**Registration Information:** Senior standing.**Terms Offered:** Fall, Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 495A Independent Study: Nutrition Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 495B Independent Study: Food Service Management Credits:****Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 496A Group Study in Dietetics and Nutrition: Energy, Weight Management Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496B Group Study in Dietetics and Nutrition: Sustainable Food Issues Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496C Group Study in Dietetics and Nutrition: Nutrition and Chronic Disease Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496D Group Study in Dietetics and Nutrition: Nutrition for Athletes Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496E Group Study in Dietetics and Nutrition: Food Safety Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496F Group Study in Dietetics and Nutrition: Service Marketing Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496G Group Study in Dietetics and Nutrition: Food and Consumer Issues Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496H Group Study in Dietetics and Nutrition: Public Health and Policy Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 496I Group Study in Dietetics and Nutrition: Special Topics Credit: 1 (1-0-0)****Course Description:** Current topics in nutrition and professional skills for the dietetics profession.**Prerequisite:** FSHN 350.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** Traditional.**Special Course Fee:** No.

FSHN 500 Food Systems, Nutrition, and Food Security Credits: 2 (2-0-0)

Course Description: Global and local food systems and their potential influence on nutrition and food security.

Prerequisite: FSHN 350.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 501 Research Methods in Dietetics Credits: 3 (0-0-3)

Course Description: Testing and generating theory. Methods for collecting and analyzing quantitative and qualitative data, critique of research and proposal development.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 503 Issues in Dietetics Practice Credits: 3 (0-0-3)

Course Description: Environment in which foodservice, hospitality, and healthcare organizations operate; impact of change on hospitality and healthcare organizations.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 504 Micronutrients Credits: 3 (0-0-3)

Course Description: Coordination of structure and function related to metabolic needs as a basis for evaluating micronutrient needs in normal or altered metabolic states.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 505 Nutrition and Physical Activity in Aging Credits: 3 (0-0-3)

Course Description: Physiological changes during aging and impacts on health and disease; focus on successful aging with emphasis on physical activity and nutrition.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 506 Nutrition and Human Performance Credits: 3 (0-0-3)

Course Description: Relationship of specific nutrients and optimal nutrition to physical efficiency and performance.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 507 Nutrition Education in the Community Credits: 3 (0-0-3)

Course Description: Principles and practices of teaching individuals and groups to translate nutrition knowledge into action. Emphasis on research and evaluation.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 508 International Nutrition and World Hunger Credits: 3 (0-0-3)

Course Description: Magnitude, causes, and nature of hunger and under-nourishing; programs and policies to alleviate hunger.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 509 Nutrition Counseling and Education Methods Credits: 3 (0-0-3)

Course Description: Application of learning theories and nutrition counseling with individuals and groups in the community and clinical settings.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 510 Pediatric Clinical Nutrition Credits: 3 (0-0-3)

Course Description: Physiological, biochemical and nutritional aspects of disease processes relevant to infants and children up to 18 years of age.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 511 Maternal and Child Nutrition Credits: 3 (0-0-3)

Course Description: Behavioral, physiological and public health issues impacting dietary and nutritional factors that support growth and development.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics;

written permission of instructor. Offered as an online course only.

Terms Offered: Fall, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 512 Nutritional Aspects of Oncology Credits: 3 (0-0-3)

Course Description: Relationships between nutrition and cancer including the role of nutrition in specific cancers, cancer prevention and patient management.

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in dietetics.

Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 520 Advanced Medical Nutrition Therapy Credits: 3 (3-0-0)

Course Description: Role of nutrition in etiology and treatment of selected disorders.

Prerequisite: FSHN 550 or FSHN 551.

Restriction: Must be a: Graduate.

Registration Information: FSHN 550 or FSHN 551 or admission to GP-IDEA program in Dietetics. Sections may be offered: Online.

Terms Offered: Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 521 Advanced Medical Nutrition Therapy Lab Credit: 1 (0-2-0)

Course Description: Practical application of the treatment of selected nutrition-related diseases and disorders.

Prerequisite: FSHN 550 and FSHN 551.

Restriction: Must be a: Graduate.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: Yes.

FSHN 525 Nutrition Education Theories and Practice Credits: 2 (2-0-0)

Course Description: Examination of current theories, skills, and models used in nutrition education programs as preparation for research and practice.

Prerequisite: FSHN 350.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 530 Principles of Nutrition Science & Metabolism Credits: 3 (3-0-0)

Course Description: Science of nutrition, including the ingestion and digestion of food, the absorption, transport, and metabolism of macro and micronutrients, energy balance and bodyweight regulation, and relationships to health and risk of disease. Structure, functional roles, and metabolic regulation of carbohydrates, lipids, and proteins during conditions of fasting, feeding, and exercise. The role of vitamins and minerals in cellular and whole body homeostasis.

Prerequisite: BMS 300 or CHEM 245 or FSHN 150 or LIFE 102.

Restriction: Must be a: Graduate.

Registration Information: Graduate standing.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 531 Diet, Nutrition, and Chronic Disease Credits: 3 (2-0-1)

Course Description: Principles related to the role of diet and nutrition in obesity, digestive health, type 2 diabetes, cardiovascular disease, and cancer with a focus on current evidence and best practices for prevention.

Prerequisite: FSHN 530.

Registration Information: Graduate standing. Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 532 Emerging Issues in Nutrition Credits: 3 (2-0-1)

Course Description: Principles related to emerging areas of nutrition and their role in health promotion. Focus is on current research related to micronutrients and supplements, sports nutrition, food safety and technology, food systems, nutrition and aging, and nutrigenomics.

Prerequisite: FSHN 530.

Registration Information: Graduate standing. Offered as an online course only.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 540 Nutrigenomics and Advanced Lipid Metabolism Credits: 3 (0-0-3)

Course Description: How nutrients regulate gene expressions (nutrigenetics) and how genotype influences an individual's nutrient requirements (nutrigenomics).

Prerequisite: None.

Registration Information: Admission to GP-IDEA program in Dietetics. Offered as an online course only.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 550 Advanced Nutritional Science I Credits: 3 (3-0-0)

Course Description: Protein, vitamin, mineral metabolism; human studies, animal models.

Prerequisite: BC 351 or BC 403.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 551 Advanced Nutritional Science II Credits: 3 (3-0-0)

Course Description: Carbohydrate, lipid, energy metabolism; human studies, animal models.

Prerequisite: BC 351 or BC 403.

Restrictions: Must not be a: Freshman, Sophomore, Junior. Must be a: Graduate.

Registration Information: Undergraduates with senior standing may enroll with consent of instructor. Sections offered as Mixed Face-to-Face or Online.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 561 International Nutrition Studies Credits: 2 (2-0-0)

Course Description: Analysis of global nutrition, malnutrition issues, and their impact on health.

Prerequisite: None.

Restriction: Must be a: Graduate, Graduate cooperative program.

Registration Information: Credit allowed for only one of the following: FSHN 461, FSHN 561, or FSHN 661.

Term Offered: Fall (even years).

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 586 Practicum-Advanced Clinical Nutrition Credits: Var[1-3] (0-0-0)

Course Description:

Prerequisite: None.

Term Offered: Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 587A Internship: Clinical Dietetics Credits: Var[1-6] (0-0-0)**Course Description:** Supervised practice in clinical nutrition.**Prerequisite:** None.**Restriction:** Must be a: Graduate.**Registration Information:** Admission to Master of Science in Food Science and Nutrition, Dietetics Option, Plan B. Written consent of instructor.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** S/U Sat/Unsat Only.**Special Course Fee:** No.**FSHN 587B Internship: Community Dietetics Credits: Var[1-6] (0-0-0)****Course Description:** Supervised practice in community nutrition.**Prerequisite:** None.**Restriction:** Must be a: Graduate.**Registration Information:** Admission to Master of Science in Food Science and Nutrition, Dietetics Option, Plan B. Written consent of instructor.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** S/U Sat/Unsat Only.**Special Course Fee:** No.**FSHN 587C Internship: Food Service Management Credits:****Var[1-6] (0-0-0)****Course Description:** Supervised practice in food service management.**Prerequisite:** None.**Restriction:** Must be a: Graduate.**Registration Information:** Admission to Master of Science in Food Science and Nutrition, Dietetics Option, Plan B. Written consent of instructor.**Terms Offered:** Fall, Spring, Summer.**Grade Mode:** S/U Sat/Unsat Only.**Special Course Fee:** No.**FSHN 590 Workshop Credits: Var[1-18] (0-0-0)****Course Description:****Prerequisite:** None.**Term Offered:** Summer.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 600 Responsible Conduct of Research Credit: 1 (1-0-0)****Course Description:** Responsible conduct of research (RCR) including ethical frameworks, publication practices, human and animal research and data management. Case studies and professional codes of conduct will be used to explore conduct of ethical research in humans and animals and how to avoid and manage research misconduct.**Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** This is a partial semester course. Credit not allowed for both FSHN 580A2 and FSHN 600.**Term Offered:** Spring.**Grade Mode:** S/U Sat/Unsat Only.**Special Course Fee:** No.**FSHN 601 Grant Writing in Nutritional Sciences Credits: 2 (2-0-0)****Course Description:** Examine each of the processes involved in a grant application. Emphasis on NIH grant mechanisms; translates to all forms of academic grant writing.**Prerequisite:** None.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both FSHN 580A3 and FSHN 601.**Term Offered:** Spring (odd years).**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 620 Community Nutrition Planning and Evaluation Credits: 3 (2-0-1)****Course Description:** Community nutrition assessment; nutrition program planning and evaluation, nutrition policy analysis.**Prerequisite:** FSHN 350.**Restriction:** Must be a: Graduate, Graduate cooperative program, Professional.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 628 Advanced Nutrition Counseling Techniques Credits: 2 (2-0-0)****Course Description:** Principles, strategies and techniques for interviewing, assessing and providing nutrition counseling in community settings.**Prerequisite:** None.**Restriction:** Must be a: Graduate, Graduate cooperative program, Professional.**Term Offered:** Fall.**Grade Mode:** Instructor Option.**Special Course Fee:** No.**FSHN 630 Integrative Exercise and Nutrition Metabolism Credits: 3 (3-0-0)****Also Offered As:** HES 630.**Course Description:** Advances in integrative human metabolism under conditions of changing energy flux.**Prerequisite:** HES 610 and FSHN 551.**Restriction:** Must be a: Graduate, Professional.**Registration Information:** Credit not allowed for both FSHN 630 and HES 630.**Term Offered:** Spring.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 640 Selected Topics in Nutritional Epidemiology Credits: 2 (2-0-0)****Course Description:** Overview of topics in nutritional epidemiology; study design, interpretation of findings, linkage of data to action.**Prerequisite:** (FSHN 350) and (STAT 301 or STAT 307 or ERHS 307).**Restriction:** Must be a: Graduate, Graduate cooperative program, Professional.**Term Offered:** Fall.**Grade Mode:** Traditional.**Special Course Fee:** No.**FSHN 650A Recent Developments in Human Nutrition: Protein, Vitamins, and Minerals Credits: 2 (2-0-0)****Course Description:** Appraisal of literature on human nutritional status.**Prerequisite:** FSHN 550.**Restriction:** Must be a: Graduate, Graduate cooperative program, Professional.**Term Offered:** Fall (even years).**Grade Mode:** Traditional.**Special Course Fee:** No.

FSHN 650B Recent Developments in Human Nutrition: Carbohydrates, Lipids, and Energy Credits: 2 (2-0-0)

Course Description: Appraisal of literature on human nutritional status.

Prerequisite: FSHN 551.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Term Offered: Fall (odd years).

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 650C Recent Developments in Human Nutrition: Genomic, Proteomics, and Metabolomics Credits: 2 (2-0-0)

Course Description: Appraisal of literature on human nutritional status.

Prerequisite: FSHN 551.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Term Offered: Spring (even years).

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 660 Women's Issues in Lifecycle Nutrition Credits: 2 (2-0-0)

Course Description: Current nutritional issues related to selected stages of the lifecycle compared to normal adult nutritional needs.

Prerequisite: FSHN 459.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 675 Regulation of Energy Intake Credits: 3 (3-0-0)

Course Description: Central and peripheral mechanisms controlling energy intake with emphasis on humans. Current theories, experimental approaches, and new research.

Prerequisite: FSHN 350 and PSY 454.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Term Offered: Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 684 Supervised College Teaching Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 686A Practicum: Counseling Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: FSHN 520.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: Yes.

FSHN 686B Practicum: Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 686C Practicum: Food Services Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 692 Seminar Credit: 1 (0-0-1)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 695A Independent Study: Food Science Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 695B Independent Study: Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Graduate cooperative program, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 695C Independent Study: Food Service Management Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 696A Group Study: Food Science Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 696B Group Study: Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 696C Group Study: Dietetics Credit: 1 (0-0-1)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: Sections may be offered: Online.

Terms Offered: Fall, Spring.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 696D Group Study: Exercise and Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 698A Research: Dietetics Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: Admission to the GP-IDEA program in Dietetics. Offered as an online course only.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 698B Research: Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 698C Research: Food Service Management Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: S/U Sat/Unsat Only.

Special Course Fee: No.

FSHN 699B Thesis: Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 699C Thesis: Food Service Management Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 700 Cellular Nutrition Credits: 2 (2-0-0)

Course Description: Essential nutrient requirements of cells and organs.

Prerequisite: FSHN 550 and FSHN 551 or BC 403 and BMS 501.

Restriction: Must be a: Graduate, Professional.

Term Offered: Fall (odd years).

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 750 Nutritional Basis of Chronic Disease Credits: 2 (2-0-0)

Course Description: Role of nutrition in the pathogenesis and prevention of specific chronic diseases.

Prerequisite: FSHN 550 and FSHN 551.

Restriction: Must be a: Graduate, Professional.

Term Offered: Fall.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 792 Seminar-Research Topics in Nutrition Credit: 1 (0-0-1)

Course Description: Ph.D. seminar in literature review.

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring.

Grade Mode: Traditional.

Special Course Fee: No.

FSHN 795 Independent Study Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 796 Group Study Credit: 1 (0-0-1)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.

FSHN 799 Dissertation-Nutrition Credits: Var[1-18] (0-0-0)

Course Description:

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Terms Offered: Fall, Spring, Summer.

Grade Mode: Instructor Option.

Special Course Fee: No.