

# FAMILY, INTERIORS, NUTRITION & APPAREL

## College of Health and Social Sciences

Interim Dean: Dr. Andreana Clay

## Department of Family, Interiors, Nutrition & Apparel (FINA)

Burk Hall, Room 329

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Website: [fina.sfsu.edu](http://fina.sfsu.edu) (<http://fina.sfsu.edu>)

Chair: Dr. Gus Vouchilas

Graduate Coordinator: Dr. Gus Vouchilas

## Mission Statement

The mission of the Family, Interiors, Nutrition & Apparel (FINA) Department is to provide a transformative student experience that advances understanding of contemporary issues that impact the food, shelter, clothing, and relationship needs of individuals, families, and communities and which leads to career pathways.

The core of each FINA program is to encourage critical thought, diverse ways of understanding, inclusive and equitable pedagogy, and the development of professional practices which will enhance the quality of life for those whom our students will serve.

## Program Scope

FINA offers three undergraduate degrees and one graduate degree:

- Bachelor of Science in Interior Design (<https://fina.sfsu.edu/id/>)
- Bachelor of Science in Dietetics (<https://fina.sfsu.edu/Nutrition-Dietetics/>) (Concentrations in Dietetics & Nutrition Science and also Foods & Community Nutrition)
- Bachelor of Science in Apparel Design & Merchandising (<https://fina.sfsu.edu/adm/>) (Concentrations in Design and also Merchandising)
- Master of Arts in Family & Consumer Sciences (<https://fina.sfsu.edu/MA%20Family%20%26%20Consumer%20Sciences/>)

Students earning a Bachelor of Science in Dietetics, Apparel Design and Merchandising, or Interior Design, with a GPA of 3.0 or better, may qualify for admission to the Master of Arts in Family & Consumer Sciences.

## Advising

The department faculty offer advising to assist students with their program and graduation needs as well as understanding the relevancy of the courses they take and their career outlook.

## Career Outlook

The diversity of career options for students within our programs is great as each program offers particular paths to employment.

**Interior Design** – Residential and/or Commercial Interior Designer

**Dietetics** – Food Specialist; Clinical Dietician; Food Service Systems Management; Nutrition Education in Hospitals, Industry, or Government Agencies

**Apparel Design & Merchandising** – Apparel designer; Fashion Merchandiser; Visual Merchandiser; Brand Manager; Textile Specialist; Product Development; Textile & Apparel ReUse or Extended Life Specialist

## Professor

Gus Vouchilas (2006), *Professor in Interior Design*. Ed.D. University of San Francisco.

## Associate Professor

Amy Dorie (2017), *Associate Professor in Apparel Design and Merchandising*. Ph.D. Iowa State University.

Gretchen Lynn George (2013), *Associate Professor in Nutrition and Dietetics*. Ph.D. University of California, Davis.

Karen Johnson-Carroll (1988), *Associate Professor in Interior Design*. Ph.D. Oregon State University.

Sherria Taylor (2015), *Associate Professor in Family and Consumer Sciences*. Ph.D. Loma Linda University.

## Assistant Professor

Ivana Markova (2018), *Assistant Professor in Apparel Design and Merchandising*. Ed.D. University of San Francisco.

Zubaida Qamar (2018), *Assistant Professor in Nutrition and Dietetics*. Ph.D. Texas AM University.

## Lecturer

Wanda Siu-Chan (1997), *Dietetic Internship Director*. [M.S., R.D. University of New Haven.](#)

Jennifer Stimson (2017), *Didactic Program in Dietetics, Director*. [M.S., R.D. University of Georgia.](#)

## Majors

- Bachelor of Arts in Family and Community Sciences (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/ba-family-community-sciences/>)
- Bachelor of Science in Apparel Design and Merchandising: Concentration in Design (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-apparel-design-merchandising-design/>)
- Bachelor of Science in Apparel Design and Merchandising: Concentration in Merchandising (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-apparel-design-merchandising-merchandising/>)
- Bachelor of Science in Nutrition and Dietetics: Concentration in Dietetics and Nutrition Science (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-dietetics-conc-nutrition-science/>)
- Bachelor of Science in Nutrition and Dietetics: Concentration in Foods and Community Nutrition (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-dietetics-conc-foods-community-nutrition/>)

- Bachelor of Science in Interior Design (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-interior-design/>)
- Bachelor of Science in Interior Design and Architecture (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/bs-interior-design-architecture/>)

## Masters

- Master of Arts in Family and Consumer Sciences (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/ma-family-consumer-sciences/>)

## Certificate

- Certificate in Dietetics (<http://bulletin.sfsu.edu/colleges/health-social-sciences/consumer-family-studies-dietetics/certificate-dietetics/>)

## Family & Consumer Sciences

### FCS 220 Young Children and Families (Units: 3)

Growth, development, and enculturation of the child within the family setting through age nine, intra-family relationships, and parent-child relations. Environmental influences affecting children's cognitive, emotional, social, and physical development. [Formerly CFS 320]

#### Course Attributes:

- D1: Social Sciences

### FCS 312GW Gender, Race, Class, and Family Diversity - GVAR (Units: 3)

Prerequisite: Restricted to upper-division Family and Community Sciences majors; GE Area A2.

Gender, social class, and racial and ethnic diversity in family life, theories of intersectionality, colorism, and racial identity. Family life and how we "do" family within systems (e.g., social, political, economic systems) that privilege some while hindering others in their ability to function and thrive. (Plus-minus ABC/NC) [Formerly CFS 312GW]

#### Course Attributes:

- Graduation Writing Assessment

### FCS 321 Adolescents and Families (Units: 3)

Prerequisite: Upper-division standing.

Growth and development of children from middle childhood through adolescence. Patterns of maturation and individual differences. Parent-child interactions. The transition from a family-centered toward a peer-centered environment. Problems confronting adolescents in contemporary society. [Formerly CFS 321]

### FCS 325 Transitions in the Family Life Cycle (Units: 3)

Prerequisite: Restricted to upper-division standing.

Transitions in relations throughout the family life cycle. Dynamics of family interactions within family systems. Divorce, remarriage, stepfamilies, and related issues. Implications of recent research for personal and family decisions. The role of family life educators in family transitions. (Plus-minus letter grade) [Formerly CFS 325]

### FCS 326 Adulthood and Aging within Families (Units: 3)

Prerequisite: Restricted to upper-division Family and Community Sciences majors.

Exploration of growth and development throughout adulthood, with a focus on changes that occur within and around aging individuals that are influenced by historical, cultural, biological, physiological, psychological, and social contexts. Discussion of the complex interplay of knowledge, values, and practices and its influence on the experiences of aging within the family. (Plus-minus letter grade only)

### FCS 355 Nutrition for Wellness (Units: 3)

Prerequisites: Restricted to upper-division standing; GE Areas A1\*, A2\*, A3\*, and B4\* all with grades of C- or better; or permission of the instructor.

Reliable and unreliable health information sources, present research, and current controversies on common health problems and dietary inter-relationships. [Formerly CFS 355]

#### Course Attributes:

- UD-B: Physical Life Science

### FCS 410 Parent-Child Relationships (Units: 3)

Prerequisite: Restricted to upper-division Family and Community Sciences and Child and Adolescent Development majors.

Interrelationships between the child, the child's development, the process of parental development, school, and family relationships; special attention is given to systems theory as it applies to the family. (Plus-minus letter grade only)

### FCS 412 Critical Identity and Creative Expression in Family Life Education (Units: 3)

Prerequisite: Restricted to upper-division Family and Community Sciences majors or permission of the instructor.

Personal and social transformation via a language of critique. Challenge the understanding of what it means to be empowered and how to be an agent of empowerment as well as foster the ability to apply creative expression as a catalyst for change in issues of social justice in family life education.

### FCS 422 Early Childhood Education Curriculum: Birth to Five (Units: 3)

Prerequisites: Restricted to upper-division students; CAD 210 or FCS 220 or equivalent.

Activities and learning materials that facilitate cognitive, emotional, social, physical, language, and creative development of children from birth to five. Focus on art, music, language arts, science, and dramatic play. Observing and recording children's behavior. [Formerly CFS 322]

### FCS 426 Family Stress, Coping, and Resilience (Units: 3)

Prerequisite: Upper-division standing.

Family resilience and ways in which diverse families react to and resolve crises with an emphasis on the nature of crises, impact on family functioning, and methods of prevention, management, and intervention. [Formerly CFS 426]

**FCS 428 Children and Families with Violence, Abuse, and Neglect (Units: 3)**

Prerequisite for FCS 728: Graduate standing or permission of the instructor.

Prerequisites for FCS 428: Restricted to upper-division Family and Community Sciences and Child and Adolescent Development majors; GPA of 3.0 or higher; or permission of the instructor.

Child and family violence, abuse, and neglect throughout the life cycle with a cross-cultural focus. Family patterns of victimization, profiles of victims and perpetrators, family and child relationship perspectives, and intergenerational patterns of victimization. Intervention issues and services.

(FCS 728/FCS 428 [Formerly CFS 728/CFS 428] is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

**FCS 429 Family Policy and Advocacy (Units: 3)**

Prerequisite: Restricted to upper-division Family and Community Sciences majors.

Reciprocal linkages between family functioning and public and private policies in this country and across the globe; ways families contribute to and are affected by social problems; assess the consequences policies may have for family well-being; theoretical frameworks for conceptualizing family policy; and roles professionals can play in building family policy.

**FCS 430 Management Dynamics: Life Goals and Decisions (Units: 3)**

Prerequisite: Restricted to upper-division Family and Community Sciences majors.

Needs, values, goals, standards, policies, and decision-making processes central to the dynamics of managing resources in the performance of individual, family, and professional roles. (Plus-minus letter grade) [Formerly CFS 430]

**FCS 481 Family and Consumer Sciences and Nutrition and Dietetics Field Experience (Units: 3)**

Prerequisites: Upper-division standing and permission of the instructor. Advance course application is required. Forms can be obtained from the department office.

Field experiences may be taken concurrently with approval. Field experience in an area of emphasis. May be repeated for a total of 6 units. [Formerly CFS 481]

**FCS 520 Program Development for Young Children, Families, and Communities (Units: 3)**

Prerequisites: Restricted to upper-division Family and Consumer Sciences majors; FCS 220\*, FCS 321\*, and FCS 326\*.

Family life education principles and concepts; program planning and implementation; evaluation of family life education materials, student progress, and program effectiveness; emphasis is placed on developing sensitivity to diverse personal and community values and a pluralistic understanding of children, adults, families, and communities. (Plus-minus letter grade only)

**FCS 524 Supervised Experiences with Children, Family, and Community (Units: 3)**

Prerequisites: Restricted to upper-division Family and Community Sciences majors; FCS 220, FCS 223, FCS 321\*, FCS 325\*, and FCS 422\*.

Preparation for professional employment in organizations that serve children, families, and the greater community. Discussion of topics related to standards and ethics, creative thinking, problem-solving, and collaborative decision-making. Completion of 120 hours of supervised and documented field experience with in-class reflection and review. (Plus-minus letter only) [Formerly CFS 424]

**FCS 543 Sustainability in the Textile, Housing, and Food Industries (Units: 3)**

Prerequisite for FCS 743: Graduate standing or permission of the instructor.

Prerequisites for FCS 543: Restricted to upper-division standing; GE Areas A1\*, A2\*, A3\*, and B4\* all with grades of C- or better; GPA of 3.0 or higher; or permission of the instructor.

Sustainable principles and practices, energy and water efficiency, resource conservations, economic, health, and environmental issues, and rating systems applied to projects. Evaluation of sustainable products and processes.

(FCS 743 [Formerly CFS 743]/FCS 543 [Formerly CFS 543] is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

**Course Attributes:**

- Environmental Sustainability
- UD-D: Social Sciences

**FCS 600 Professional Development (Units: 3)**

Prerequisites: Restricted to graduating Apparel Design and Merchandising, Family and Community Sciences, Interior Design, and Foods & Community Nutrition: Concentration in Nutrition & Dietetics seniors; GVAR course.

Professional roles and career opportunities. Portfolio development. Trends and issues in the fields of apparel, interior design, and family and consumer sciences using an integration of subject matter. [Formerly CFS 600]

**FCS 685 Projects in Teaching of Family, Interiors, Nutrition, & Apparel (Units: 3)**

Prerequisites: Upper-division Family Interiors Nutrition & Dietetics (FINA) majors; approval of the supervising instructor; grade of B or better in course in which student will be a teaching assistant.

Teaching experiences in Family Interiors Nutrition & Apparel (FINA) through assigned instructional projects in a classroom and under the guidance of a member of the faculty. Training in pedagogical principles including supervised classroom teaching activities. (Students may earn a maximum of 4 units toward the baccalaureate degree for any course(s) numbered 685 regardless of discipline.) (Plus-minus letter grade only) [Formerly CFS 685]

**FCS 699 Independent Study (Units: 1-3)**

Prerequisite: Upper-division standing or permission of the instructor.

Intensive study of a particular problem under the direction of a member of the department. Enrollment by formal petition requiring signed approval of instructor. Advance course reservation in the department. May be repeated for a total of 8 units. [Formerly CFS 699]

**FCS 700 Seminar: Trends and Issues (Units: 3)**

Prerequisite: Graduate standing in Family and Consumer Sciences or the School of Design.

Trends and issues in discipline-specific fields affecting individuals, families, and communities. Review of research and application of findings to problems. (This course is offered as FCS 700 [Formerly CFS 700] and DES 701. Students may not repeat the course under an alternate prefix.)

**FCS 710 Family and Consumer Sciences Research Applications (Units: 3)**

Prerequisites: Restricted to graduate standing in Family and Consumer Sciences; FCS 700; first level writing proficiency.

Critical analysis of existing research and the development of the culminating experience proposal. [Formerly CFS 710]

**FCS 728 Children and Families with Violence, Abuse, and Neglect (Units: 3)**

Prerequisite for FCS 728: Graduate standing or permission of the instructor.

Prerequisites for FCS 428: Restricted to upper-division Family and Community Sciences and Child and Adolescent Development majors; GPA of 3.0 or higher; or permission of the instructor.

Child and family violence, abuse, and neglect throughout the life cycle with a cross-cultural focus. Family patterns of victimization, profiles of victims and perpetrators, family and child relationship perspectives, and intergenerational patterns of victimization. Intervention issues and services.

(FCS 728/FCS 428 [Formerly CFS 728/CFS 428] is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

**FCS 743 Sustainability in the Textile, Housing, and Food Industries (Units: 3)**

Prerequisite for FCS 743: Graduate standing or permission of the instructor.

Prerequisites for FCS 543: Restricted to upper-division standing; GE Areas A1\*, A2\*, A3\*, and B4\* all with grades of C- or better; GPA of 3.0 or higher; or permission of the instructor.

Sustainable principles and practices, energy and water efficiency, resource conservations, economic, health, and environmental issues, and rating systems applied to projects. Evaluation of sustainable products and processes.

(FCS 743 [Formerly CFS 743]/FCS 543 [Formerly CFS 543] is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

**Course Attributes:**

- Environmental Sustainability
- UD-D: Social Sciences

**FCS 761 Advanced Apparel Design (Units: 3)**

Prerequisite for FCS 761: Restricted to Family Interiors Nutrition & Apparel graduate students or permission of the instructor.

Prerequisites for ADM 661: Restricted to Apparel Design & Merchandising graduating seniors; ADM 361 and ADM 362; concurrent enrollment in ADM 560 and FCS 600; GPA of 2.5 or higher; or permission of the instructor.

Advanced apparel design related to diverse populations. Development of design prototypes based on creative research and market analyses. Lecture, 2 units; laboratory, 1 unit. Extra fee required.

(FCS 761 [Formerly CFS 761]/ADM 661 is a paired course offering.

Students who complete the course at one level may not repeat the course at the other level.)

**FCS 769 Visual Merchandising and Promotion (Units: 3)**

Prerequisite for FCS 769: Restricted to Family and Consumer Sciences graduate students or permission of the instructor.

Prerequisites for ADM 569: Restricted to Apparel Design & Merchandising graduating seniors; ID 240; a college-level drawing class; concurrent enrollment in ADM 560 and FCS 600; GPA of 3.0 or higher; or permission of the instructor.

Application of principles of visual presentation in window displays, point-of-purchase, and other retail venues. Practice with equipment, materials, and techniques used in the presentation of merchandise. Principles and methods of promotion for manufacturers and retailers. [CSL may be available]

(FCS 769 [Formerly CFS 769]/ADM 569 is a paired course offering.

Students who complete the course at one level may not repeat the course at the other level.)

**FCS 881 Internship (Units: 3-6)**

Prerequisite: Graduate standing or permission of the instructor.

Field experience offered in cooperation with a private or public profit or non-profit organization that enables students to acquire competencies and experience required for fulfilling professional responsibilities. Written critique of experience required. May be repeated for a total of 6 units [Formerly CFS 881]

**FCS 891 Directed Readings in Family Interiors Nutrition & Apparel (Units: 3)**

Prerequisite: Graduate standing in Family and Consumer Sciences.

Directed reading under the supervision of a faculty member in the department. [Formerly CFS 891]

**FCS 895 Field Study (Units: 3)**

Prerequisites: Permission of the instructor and approval of Advancement to Candidacy (ATC) for the Master of Arts and Culminating Experience (CE) forms by Graduate Studies. ATC and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration.

(CR/NCR, RP grading option) [Formerly CFS 895]

**FCS 897 Research in Family Interiors Nutrition & Apparel (Units: 3)**

Prerequisite: Approval of the department.

Research topics germane to Family and Consumer Sciences and/or Nutrition and Dietetics. May not be used to satisfy the 30-unit minimum for ATC. May be repeated with departmental approval. (CR/NC grading only)

**FCS 898 Master's Thesis (Units: 3)**

Prerequisites: Permission of the instructor and major adviser; approval of Advancement to Candidacy (ATC) for the Master of Arts and Culminating Experience (CE) forms by Graduate Studies. ATC and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration.

(CR/NC grading only) [Formerly CFS 898]

**FCS 899 Independent Study (Units: 2-4)**

Prerequisite: Graduate standing or permission of the instructor.

An intensive study of a particular problem under the direction of a faculty member in the department. Enrollment by formal petition requiring signed approval of the instructor, adviser, and department chair. Available only to students who have done previous work in the department. Must be scheduled with the instructor one semester in advance. May be repeated for a total of 6 units. [Formerly CFS 899]

**Nutrition and Dietetics****NUTR 253 Nutrition, Health, and Disease (Units: 3)**

Prerequisite: One semester of chemistry or physiology or permission of the instructor.

Introduction to the basic principles of nutrition and the relationship of the human diet to health. Overview of the nutrition profession, the biological uses of nutrients and tools for dietary planning. Examination of the importance of food choice on health of the human and global systems. Evaluation of personal dietary habits using current dietary guidelines and nutritional assessment methods. [Formerly DFM 253]

**NUTR 353GW Foodservice Systems Management - GVAR (Units: 3)**

Prerequisites: Restricted to upper-division Nutrition & Dietetics majors; GE Area A2; NUTR 253 with a grade of C- or higher.

Organization and management of foodservice systems. Areas within foodservice systems: production and service management, sanitation and safety, cost control, and human resources. Daily business operation procedures. (ABC/NC grading only) [Formerly DFM 353GW]

**Course Attributes:**

- Graduation Writing Assessment

**NUTR 356 Foods and World Culture (Units: 3)**

Prerequisite: Upper-division standing.

Art and science of foods and their consumption in relation to historical, national, geographical, racial, and religious customs. Distinctive cuisines of various cultures. Evaluation of dietary habits in relation to the nutritional needs of individuals. [Formerly CFS 356]

**NUTR 357 Principles of Food Preparation (Units: 3)**

Prerequisites: Restricted to upper-division standing; GE Areas A1\*, A2\*, A3\*, and B4\* all with grades of C- or better; or permission of the instructor.

Blending the science of nutrition with skills in fundamental cooking. Explore nutrition and food science principles, techniques of food preparation, food safety, sensory evaluation of food, ingredient function and interaction, and nutrient composition of food. Integrated lecture-lab activities provide hands-on opportunities to put scientific principles to the test in the kitchen and learn some cooking skills. Focus on cultural foods such as Japanese milk bread, Brazilian Pao, queso blanco, and mushroom etouffee, as well as plant-based foods. Lecture, 2 units; laboratory, 1 unit. Extra fee required. [Formerly CFS 352]

**Course Attributes:**

- UD-B: Physical Life Science

**NUTR 450 Advanced Nutrition I (Units: 3)**

Prerequisites: Restricted to Nutrition and Dietetics majors; BIOL 212, BIOL 213, CHEM 349, and MATH 124 with grades of C- or better.

Research in human nutrient requirements and metabolic interrelationships of proteins, carbohydrates, and lipids found in foods. Includes nutritional genomics. (Plus-minus letter grade only) [Formerly DFM 350]

**NUTR 453 Nutrition in the Life Cycle (Units: 3)**

Prerequisites: Restricted to upper-division and second baccalaureate Nutrition & Dietetics majors; NUTR 253\* with a grade of C- or better.

Focus on modification of nutritional requirements throughout the life cycle. Impact and importance of nutrition for growth and development from conception through adolescence. Role of nutrition in health maintenance, prevention, and treatment of chronic diseases throughout adulthood and aging. [Formerly CFS 453]

**NUTR 457 Management of Quantity Food Purchasing and Production (Units: 3)**

Prerequisites: Restricted to Nutrition & Dietetics majors; NUTR 357 with a grade of C- or better.

Implementation of purchasing, specifications, and procedures related to quantity food production, management, menu planning, standardized recipes, merchandising, cost, and quality control. [Formerly DFM 458]

**NUTR 484 Medical Nutrition Therapy I (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; BIOL 212, BIOL 213, CHEM 349, and NUTR 253 with grades of C- or better.

The healthcare team and roles in the nutritional care of clients in various settings. Assessment strategies and record keeping for clinical dietetics. Quality assurance. Nutrition education for outpatient clients. [Formerly DFM 484]

**NUTR 550 Advanced Nutrition II (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; BIOL 212, BIOL 213, CHEM 349, MATH 124, and NUTR 450 with grades of C- or better.

Research in human nutrient requirements and metabolic interrelationships of vitamins, minerals, water, and non-nutritive substances found in foods. [Formerly DFM 450]

**NUTR 551 Nutrition Education and Communication (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; NUTR 353GW.

Objectives, methods, resources, and evaluation techniques for educational programs in commercial and community settings in dietetics. Knowledge, attitudes, and skills as a nutrition and dietetics educator. Lecture, 2 units; activity, 1 unit. (Plus-minus letter grade only) [Formerly DFM 655]

**NUTR 557 Experimental Food Study (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; CHEM 115, MATH 124, and NUTR 357\* with grades of C- or better.

Food components and their interactions. Chemical and physical principles applied to foods. Recipe testing and formulation. Developments of experimental attitudes and techniques applicable to food science. Lecture, 2 units; laboratory, 1 unit. Extra fee required. [Formerly DFM 357]

**NUTR 584 Medical Nutrition Therapy II (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; BIOL 212, BIOL 213, CHEM 349, NUTR 253, NUTR 484, NUTR 550 (may be taken concurrently) with grades of C- or better.

Analyzing and integrating research in nutritional diet therapy. Application to health care in clinical and community environments. Designing dietary components of patient care plans. Diet counseling techniques. [Formerly DFM 485]

**NUTR 651 Community Nutrition and Assessment (Units: 3)**

Prerequisites: Restricted to graduating senior and second baccalaureate Nutrition and Dietetics majors; NUTR 551 with a grade of C- or better.

Nutritional assessment applied to community and clinical settings. Assessment protocols and practice. Nutrition counseling strategies, program planning and evaluation, legislation, and public policy. Lecture, 2 units; laboratory, 1 unit. [Formerly DFM 451]

**NUTR 751 Seminar in Nutritional Assessment Across the Lifespan (Units: 3)**

Prerequisites: Dietetics certificate students.

Nutritional assessment of patients and clients in the community. Assessment of children, adults, and the older adult. (Plus-minus letter grade, RP) [Formerly DFM 751]

**NUTR 755 Seminar in Human Nutrition and Metabolism (Units: 3)**

Prerequisite: Dietetics certificate students.

Nutrition and the metabolism of nutrients in varying stages of wellness. Recent research related to energy nutrients, vitamins, minerals, and non-nutritive substances. (Plus-minus letter grade only.) [Formerly DFM 755]

**NUTR 758 Seminar in Foodservice and Nutrition Program Management (Units: 3)**

Prerequisite: Dietetics certificate students.

Management of quantity foodservice operations and nutrition programs in the community. Financial management, management principles, operations, marketing, menu development, program development and evaluation, and quality improvement. (Plus-minus letter grade, RP) [Formerly DFM 758]

**NUTR 785 Seminar in Medical Nutrition Therapy (Units: 3)**

Prerequisite: Dietetics certificate students.

Medical nutrition therapy for patients and clients in acute care settings. Practical aspects of nutritional assessment and care planning. (Plus-minus letter grade, RP) [Formerly DFM 785]

**NUTR 881 Internship in Dietetics (Units: 6)**

Prerequisite: Dietetics certificate students.

Field experience in dietetics in private or public for-profit or non-profit organizations which enable acquisition of knowledge and performance competencies required by The American Dietetic Association. May be repeated for a total of 12 units. (CR/NC grading only) [Formerly DFM 881]