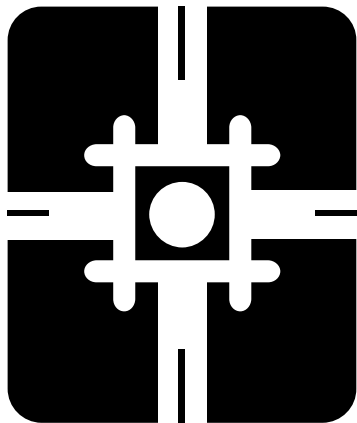




NOTE:

This document is specific to the
2002-2004 printed catalog.



family and consumer sciences

BACHELOR OF ARTS
 APPAREL MARKETING AND DESIGN
 CONSUMER STUDIES CONCENTRATION
 FAMILY STUDIES CONCENTRATION
 NUTRITION AND FOOD CONCENTRATION
 SUBJECT MATTER PROGRAM (TEACHING OPTION)
 SPECIAL MAJOR: DIETETICS
 MINOR

PROGRAM DESCRIPTION

Family and Consumer Sciences is devoted to the study of how individuals and families assess their needs and interact with their environment. This study includes an examination of how humans seek the fulfillment of their goals by identifying, developing, and managing the resources available to them. Family and Consumer Sciences synthesizes knowledge obtained from the natural and social sciences, arts and humanities and applies this knowledge toward the optimum functioning of the individual, the family, and society.

The CSUS Family and Consumer Sciences Department offers the BA in Family and Consumer Sciences, a minor in Family and Consumer Sciences, and the Single Subject Matter Program for the California Teaching Credential. Students who complete the BA in Family and Consumer Sciences select a program of study that relates to their interest and professional objectives:

- Apparel Marketing and Design
- Consumer Studies
- Family Studies
- Nutrition and Food
- Single Subject Matter for the California Teaching Credential

A dietetics program, which is approved by the American Dietetic Association, is offered as a special major: BS Dietetics. Upon completing the program, graduates are eligible for a dietetics internship or supervised practice program and subsequent certification as a registered dietitian.

FACULTY

Y. Lakshmi Malrouu, *Department Chair*

Susan Algert, Jan Andersen, Sallie Corley, Wendy Cunningham, Dianne Hyson, Walter Kawamoto, Ann Moylan, Jo Ann Nicola, Dong Shen, Jeline H. Ware, Seunghee Wie

Kay Ford, *Administrative Support Coordinator*

Kimberly Mahl, *Instructional Support Assistant*
 Department Office, Mariposa Hall 3000, (916) 278-6393

FEATURES

Faculty in Family and Consumer Sciences come from diverse educational backgrounds and have a wide range of expertise. Faculty represent all areas of study, thereby helping students to integrate the study of Family and Consumer Sciences as they prepare for professional careers or graduate study.

The department sponsors three student organizations and provides an opportunity for students to participate in several related professional organizations, including the American Association of Family and Consumer Sciences, the American Dietetic Association, and the California Council on Family Relations.

Through its internship program, the department provides an opportunity for students to work under the supervision of a professional in business, education, government and public service settings. Internships (FACS 195C) are planned in advance with an advisor.

In addition to serving majors and minors, the department provides general education courses and service courses to other majors and participates in the Child Development and Gerontology programs.

CAREER POSSIBILITIES

Apparel Designer or Manufacturer • Child Life Specialist • Consumer Affairs Director • Consumer Analyst • Dietitian • Energy Conservation Specialist • Extension Specialist • Family Life Educator • Fashion Coordinator • Financial Analyst/Planner • Food Service Manager • Marketing Specialist • Merchandiser • Nutritionist • Nutrition and Health Counselor • Parenting Educator • Preschool/Day Care Director • Product Analyst • Purchasing Agent • Quality Control Analyst • Retail Manager or Buyer • Secondary School Teacher • Sales Representative • Youth Advisor

DEGREE REQUIREMENTS • BA

Units required for Major: 51-53

Minimum total units required for the BA: 120

Courses in parentheses are prerequisites.

Note: A minimum grade of “C-” is required for prerequisite courses. Students who have taken a FACS course twice must petition the department’s curriculum committee in writing for permission to register for a third time. Students will not be allowed to take the course a third time without committee approval.

Select one of the following concentrations:

1. **Apparel Marketing and Design**
2. **Consumer Studies**
3. **Family Studies**
4. **Nutrition and Food**
5. **Subject Matter Program (Pre-Credential Preparation)**

Dietetics: A Didactic Program in Dietetics, which is approved by the American Dietetic Association is offered as a special major: BS Dietetics. Information regarding course requirements may be obtained from the FACS Department office.

Students interested in Family Life Educator Certification awarded by the National Council of Family Relations or Certification as a Child Life Specialist should contact a FACS department advisor about course requirements.

APPAREL MARKETING AND DESIGN CONCENTRATION (51 units)

The concentration prepares students for careers in the field of apparel, including design, manufacturing, distribution, marketing and consumption. The program emphasizes the contemporary and historical ways of meeting the economic, physiological, psychological and sociological needs of consumers relative to apparel and textile products.

A. Required Core Courses (27 units)

- (3) FACS 031 Textiles
- (3) FACS 032 Fundamentals of Apparel Production
- (1) FACS 060 Professional Development in Family and Consumer Sciences
- (3) FACS 160 Communication and Education in Family and Consumer Sciences (15 FACS units, including FACS 060, and completion of Area A GE requirements)
- (2) FACS 168 Senior Seminar (21 FACS units including FACS 160)
- (3) ECON 001B Introduction to Microeconomic Analysis
OR
MGMT 120 Principles of Marketing
- (3) INTD 020 Design
- (3) SOC 008 Sense and Nonsense in Social Issues and Research **OR**
STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test)
- (6) Select two from the following:
 - FACS 010 Nutrition and Wellness
 - FACS 050 The Family and Social Issues
 - FACS 140 Family Resource Management (Passing score on the WPE)

B. Required Upper Division Courses (21 units)

- (3) FACS 130A History of Western Costume
- (3) FACS 130B Contemporary Costume
- (3) FACS 131 Quality Analysis: Apparel (FACS 031, FACS 032)
- (3) FACS 134 Introduction to Fashion Marketing (ECON 001B or MGMT 120)
- (9) Select nine units from the following:
 - FACS 132 Product Development: Apparel (FACS 032 or instructor permission prior to registration)
 - FACS 133 Creative Principles of Apparel Design (FACS 031 and INTD 020 or approved substitute)
 - FACS 135 Merchandise Buying (FACS 134)
 - FACS 136 Fashion Retailing (FACS 134)
 - FACS 137 Social Psychology of Apparel (SOC 001)
 - FACS 138 Consumer Issues in Textiles and Clothing (FACS 031)
 - FACS 139 Textiles and Apparel in the Global Economy (FACS 134 or MGMT 120)
 - FACS 195C Internship (Upper division status; 2.5 GPA or above)

C. Electives (3 units)

- (3) Select 3 units in Family and Consumer Science with an advisor’s approval.

CONSUMER STUDIES CONCENTRATION (51 units)

The concentration prepares students for careers in consumer protection, advocacy, mediation, and family financial management and counseling. The program emphasizes the processes governing family financial management, consumer rights, law, protection, and redress. Students interested in becoming credentialed as an Accredited Financial Counselor (AFC) awarded by the Institute for Personal Finance should contact a Consumer Studies Advisor about requirements.

A. Required Core Courses (24 units)

- (3) FACS 010 Nutrition and Wellness
- (3) FACS 050 The Family and Social Issues
- (1) FACS 060 Professional Development in Family and Consumer Sciences
- (3) SOC 008 Sense and Nonsense in Social Research
OR
STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test)
- (3) ECON 001B Introduction to Microeconomic Analysis
- (3) FACS 140 Family Resource Management (Passing score on the WPE)
- (3) FACS 141 Family Finance
- (3) FACS 160 Communication and Education in Family and Consumer Sciences (15 FACS units, including FACS 060, and completion of Area A GE requirements)
- (2) FACS 168 Senior Seminar (21 FACS units, including FACS 160)

B. Required Upper Division Courses (27 units)

- (3) COMS 119 Conflict Resolution through Communication **OR**
- OBE 155 Conflict Management and Negotiation
- (3) OBE 118 Legal Environment of Management (OBE 016 or equivalent)
- (3) FACS 128 Consumer Technologies and Environments
- (3) FACS 142 Consumer Issues
- (3) FACS 143 Consumer Policy (GOVT 001 or GOVT 150)
- (3) FACS 147 Financial and Legal Aspects of Aging (FACS 141 or instructor permission)
- (3) FACS 149 Family Financial Counseling (FACS 141 and senior standing)
- (3) FACS 195C Internship (Upper division status; 2.5 GPA or above)
- (3) Select one from the following:
 - FACS 137 Social Psychology of Apparel (SOC 001)
 - FACS 159 Adulthood and Aging in Human Development (A human development course or instructor permission)
 - FACS 162 Family Support Services (FACS 050; FACS 140)

FAMILY STUDIES CONCENTRATION (51 units)

The concentration prepares students for careers in various human service fields. The program emphasizes an understanding of human development, family communication and diverse families. The program is guided by the National Council on Family Relations (NCFR) guidelines for academic programs in Family Life Education. (Also see certificate program in Family Life Education)

A. Required Core Courses (24 units)

- (3) FACS 010 Nutrition and Wellness
- (3) FACS 050 The Family and Social Issues
- (1) FACS 060 Professional Development in Family and Consumer Sciences
- (3) SOC 008 Sense and Nonsense in Social Issues and Research **OR**
- STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test)
- (3) ECON 001A Introduction to Macroeconomic Analysis **OR**
- ECON 001B Introduction to Microeconomic Analysis **OR**
- ECON 104 Introduction to the United States Economy
- (3) FACS 140 Family Resource Management (Passing score on the WPE)
- (3) FACS 141 Family Finance
- (3) FACS 160 Communication and Education in Family and Consumer Sciences (15 FACS units, including FACS 060, and completion of Area A GE requirements)
- (2) FACS 168 Senior Seminar (21 FACS units, including FACS 160)

B. Required Lower Division Courses (6 units)

- (3) BIO 020 Biology: A Human Perspective
- (3) FACS 052 The Child in the Family **OR**
- CHDV 030 Human Development

C. Required Upper Division Courses (21 units)

- (3) FACS 108 Family Communication (COMS 008, FACS 050, SOC 166 or instructor permission)
- (3) FACS 150 Family Stress and Coping: Multicultural Focus (FACS 050 or equivalent with instructor permission. Passing score on the WPE)
- (3) FACS 154 Issues in Parenting (CHDV 030, FACS 052, or instructor permission)
- (3) FACS 162 Family Support Services (FACS 050, FACS 140)
- (3) FACS 195C Internship (Upper division status; 2.5 GPA or above)
- (6) Select two from the following:
 - FACS 147 Financial and Legal Aspects of Aging (FACS 141 or instructor permission)
 - FACS 152 Adolescent Development (CHDV 030, FACS 052 or instructor permission)
 - FACS 155 Family Life Education
 - FACS 157 Infant and Toddler: Development and Care (FACS 052 or CHDV 030, or PSYC 148, or SWRK 125A, or EDTE 142)
 - FACS 159 Adulthood and Aging in Human Development (A human development course)
 - FACS 166 Contemporary Issues in Family and Consumer Sciences

NUTRITION AND FOOD CONCENTRATION (53 units)

The concentration prepares students for careers in the field of nutrition, food management and food product development and sales. The program emphasizes the role of nutrition and food in individual and family health, connotations of food use, and the management of commercial and noncommercial food systems.

A. Required Core Courses (29 units)

- (3) FACS 010 Nutrition and Wellness
- (3) FACS 011 Principles of Food Preparation
- (3) FACS 050 The Family and Social Issues
- (1) FACS 060 Professional Development in Family and Consumer Sciences
- (3) FACS 140 Family Resource Management (Passing score on the WPE)
- (3) FACS 160 Communication and Education in Family and Consumer Sciences (15 FACS units, including FACS 060, and completion of Area A GE requirements)
- (2) FACS 168 Senior Seminar (21 FACS units, including FACS 160)
- (3) SOC 008 Sense and Nonsense in Social Issues and Research **OR**
- STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test)
- (3) BIO 010 Basic Biological Concepts **OR**
- BIO 020 Biology: A Human Perspective
- (5) CHEM 001A General Chemistry [High school algebra (two years) and high school chemistry; or equivalent] **OR**
- CHEM 006A Introduction to General Chemistry (One year high school algebra)

Note: CHEM 001A, CHEM 001B and CHEM 020 are recommended for students who plan to complete the dietetics special major or graduate studies in nutrition.

B. Required Upper Division Courses (19-20 units)

- (2) FACS 109 Food Safety and Sanitation
- (4) FACS 110 Food Management (FACS 011)
- (3) FACS 113 Nutrition and Metabolism (BIO 010 or BIO 020; CHEM 001A or CHEM 006A)

(9-10) Select three from the following:

- FACS 114 Cultural and Social Aspects of Food
- FACS 115 Nutrition in the Lifespan (FACS 113)
- FACS 116 Foodservice Management (FACS 011)
- FACS 117 Community Nutrition (FACS 113)
- FACS 118A Medical Nutrition Therapy I (FACS 113, BIO 131; (concurrent enrollment in BIO 131 permissible)
- FACS 118B Medical Nutrition Therapy II (FACS 113, CHEM 161; (concurrent enrollment in CHEM 161 permissible)
- FACS 119 Nutrition and Aging (FACS 010 or FACS 159 or instructor permission)
- FACS 170 Advanced Nutrition and Metabolism (CHEM 161 and FACS 113 or instructor permission)

C. Electives (5-6 units)

Select 5-6 units in Family and Consumer Sciences with an advisor's approval.

C. Required Upper Division Courses (23 units)

- (3) FACS 128 Consumer Technologies and Environments
- (3) FACS 137 Social Psychology of Apparel (SOC 001) **OR**
- FACS 138 Consumer Issues in Textiles and Clothing (FACS 031)
- (3) FACS 141 Family Finance
- (3) FACS 142 Consumer Issues
- (1) FACS 195A Field Study: Selected Areas in Family and Consumer Sciences (Instructor permission) **OR**
- FACS 199 Special Problems
- (4) FACS 110 Food Management (FACS 011) **OR**
- FACS 116 Foodservice Management (FACS 011)
- (3) FACS 154 Issues in Parenting (FACS 052, CHDV 030 or instructor permission) **OR**
- FACS 155 Family Life Education
- (3) Select one from the following:
 - ECON 001A Introduction to Macroeconomic Analysis
 - ECON 001B Introduction to Microeconomic Analysis
 - ECON 104 Introduction to the United States Economy

SUBJECT MATTER PROGRAM (Pre-Credential Preparation)

Teaching Option Requirements: 59 units

The Subject Matter Program leads to a BA in Family and Consumer Sciences and meets the subject matter content requirement for a teaching credential.

Note: A minimum grade of "C-" for all courses is required for admission into the teacher preparation program. Teaching credential candidates must also complete the Professional Education Program to qualify for a teaching credential. Consult the FACS Department credential advisor and the College of Education Student Service Center for further information regarding requirements.

Courses in parentheses are prerequisites.

A. Required Core Courses (21 units)

- (3) FACS 010 Nutrition and Wellness
- (3) FACS 031 Textiles
- (3) FACS 050 The Family and Social Issues
- (1) FACS 060 Professional Development in Family and Consumer Sciences
- (3) SOC 008 Sense and Nonsense in Social Issues and Research **OR**
- STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test)
- (3) FACS 140 Family Resource Management (Passing score on the WPE)
- (3) FACS 160 Communication and Education in Family and Consumer Sciences (15 FACS units including FACS 060 and completion of Area A GE requirements)
- (2) FACS 168 Senior Seminar (21 FACS units, including FACS 160)

B. Required Lower Division Courses (15 units)

- (3) FACS 011 Principles of Food Preparation
- (3) FACS 032 Fundamentals of Apparel Production
- (3) FACS 052 The Child in the Family **OR**
- CHDV 030 Human Development
- (3) INTD 020 Design
- (3) INTD 022 Technical Drawing

MINOR REQUIREMENTS

The minor in Family and Consumer Sciences requires 24 units, all of which must be taken in Family and Consumer Sciences. A minimum of 12 upper division units is required. Courses must be selected from at least two areas of Family and Consumer Sciences in consultation with a FACS advisor. Specific course requirements are:

- (3) Select one from the following:
 - FACS 010 Nutrition and Wellness
 - FACS 031 Textiles
 - FACS 050 The Family and Social Issues
 - FACS 140 Family Resource Management (Passing score on the WPE)

LOWER DIVISION COURSES

FACS 010. Nutrition and Wellness. 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 specific issues such as weight loss, sports nutrition, food safety, the diet-disease relationship and global nutrition. Analysis of special nutritional requirements and needs during the life cycle. Evaluation of personal dietary habits using current dietary guidelines and nutritional assessment methods. 3 units. (CAN H EC 002)

FACS 011. Principles of Food Preparation. Chemical, physical, sensory, and nutritional properties of food related to processes used in food preparation. Laboratory includes preparation and evaluation of individual food products. Lecture two hours; laboratory three hours. 3 units. (CAN FACS 008)

FACS 031. Textiles. Study of the characteristics of fibers, yarns, fabrics, and finishes. Emphasis on fabric performance, serviceability as they affect consumer satisfaction. Discussion of environmental concerns in the textile industry and laws relating to textile products. 3 units.

FACS 032. Fundamentals of Apparel Production. Principles of fit and design. Applied basic construction with emphasis on standards and custom techniques. Characteristics of fabrics used; individual pattern adjustment. Lecture, discussion, demonstration one hour; laboratory four hours. 3 units. (CAN H EC 010)

FACS 050. The Family and Social Issues. Family structure, systems and functioning in marriage and other partnerships, parenting, work issues, domestic violence, divorce, and remarriage. Focus on social issues including gender, race, ethnicity, and class. Historical and theoretical perspectives on families in America. Introduction to research in family sciences and public policy implications. Lecture, discussion. **Note:** Not open for credit to students who have taken SOC 005. 3 units.

FACS 052. The Child in the Family. Physical, social, emotional and cognitive development of the child, conception through adolescence, in relation to the family. Strong theoretical emphasis. Introduction to methods of study, including observation and interview. Lecture, discussion, fieldwork. **Note:** Not open for credit to students who have taken CHDV 137, CHDV 138, or PSYC 148. 3 units. (CAN H EC 014)

FACS 060. Professional Development in Family and Consumer Sciences. Definition, history and philosophy of the discipline. Examination of the concentration in the major and career options. Analysis of personal and professional competencies and development of an academic plan. To be completed the first year in the major. Activity two hours. 1 unit.

UPPER DIVISION COURSES

General

FACS 128. Consumer Technologies and Environments. Study and analysis of technologies, durable goods, and environments in home and workplace and their impact on quality of life. Principles of equipment and product design, selection and safety; space planning; consumer decision making. Examination of issues related to energy management, shelter, housing and access to technology. Lecture, field trips two hours; activity two hours. 3 units.

FACS 160. Communication and Education in Family and Consumer Sciences. A performance based course which emphasizes communication and educational methods for family and consumer sciences subject matter. Focus on learning styles, curriculum development, presentation techniques, and assessment of learning outcomes. Preparation, presentation and critique of presentations and learning activities for individuals and groups. Attention to development of leadership skills and program promotion methods. Lecture, activity. **Prerequisite:** 15 FACS units, including FACS 060; completion of Area A GE requirements. 3 units.

FACS 162. Family Support Services. Application of family science to the development, implementation, and evaluation of family support services. Implications of research for practice with diverse families. Focus on developing skills in family-centered services, family-professional collaboration, and resource-based and asset-based intervention. Lecture two hours; fieldwork in the community three hours. **Prerequisite:** FACS 050 and FACS 140. 3 units.

FACS 166. Contemporary Issues in Family and Consumer Sciences. Designed to provide in-depth examination and analysis of selected significant issues in family and consumer sciences. Emphasis on critical thinking, research and assessment. 3 units.

FACS 166A. American Indigenous Families: Issues and Perspectives. Application of research and theory specific to Latino/Chicano and American Indian families; strategies for applying this knowledge to areas of service, therapy, policy, and education. Lecture, discussion, Internet enhancement. Cross-listed as ETHN 166; only one may be counted for credit. 3 units.

FACS 166B. Asian American Families: Issues and Perspectives. The family is an adaptable and changing institution of society. The course will highlight research and theory on Asian American families with an emphasis on applying the information to areas of service, therapy, policy, and education. A comparison of the experiences between various Asian groups in the U.S. will be stressed. Lecture, discussion, Internet enhancement. Cross-listed as ETHN 167; only one may be counted for credit. 3 units.

FACS 168. Senior Seminar. Seminar designed to synthesize knowledge in family and consumer sciences. Examination and analysis of public policy and ethical issues, professionalism and leadership strategies. Includes competency assessment, communications projects, and development of an academic and professional portfolio. **Prerequisite:** 21 FACS units, including FACS 160. 2 units.

Apparel Marketing and Design

FACS 130A. History of Western Costume. Study of costume from ancient times through 19th century; an interdisciplinary approach relating clothing as a universal means of symbolizing roles and social position. Emphasis on the ways clothing communicates values and attitudes displayed by the individual costume and appraised as a reflection of trends in technology, music, literature, interior design and social values. Lecture, discussion. 3 units.

FACS 130B. Contemporary Costume. Study of worldwide influences on costume from 1900 to present. Examination of social, economic and technical developments that have caused a revolution in the fashion industry. Attention given to the commercial organizations in the apparel industry including designers, textile manufactures and the consumer. 3 units.

FACS 131. Quality Analysis: Apparel. Analysis of apparel construction and production; current industrial and technological developments. Discussion of sizing and quality standards with emphasis on identification of fabrics, garment styles, finding and trims. Lecture, discussion, demonstration, field trips. **Prerequisite:** FACS 031, FACS 032. 3 units.

FACS 132. Product Development: Apparel. Basic theories and principles of soft product development from two-dimensional shapes to three-dimensional forms. Study and practice of designing apparel for the human body through pattern development and structural joining sequences. Studio-activity six hours. **Prerequisite:** FACS 032 or instructor permission prior to registration. 3 units.

FACS 133. Creative Principles of Apparel Design. A study of the functional and aesthetic elements for apparel design. Experiences concentrate on the creative process and development of illustrative techniques. Development of creative approaches through projects of experimental, contemporary and traditional techniques with emphasis on elements of design, and selection and organization of colors, forms, materials and accessories for apparel production. Studio-activity six hours. **Prerequisite:** FACS 031 and INTD 020 or equivalent. 3 units.

FACS 134. Introduction to Fashion Marketing. Designed to develop an awareness and understanding of the total fashion industry including past, present and future directions of costume design, manufacturing, textiles, retailers' publications, buying offices, advertising and the consumer. **Prerequisite:** ECON 001B or MGMT 120. 3 units.

FACS 135. Merchandise Buying. Detailed study of merchandising mix, purchasing plan, inventory plan, assortment plan, pricing, markdown, markup, and reports. Review of planning and control processes and the buyer's role in merchandise management and decision-making. Lecture, discussion. **Prerequisite:** FACS 134. 3 units.

FACS 136. Fashion Retailing. An in-depth study which explores fashion retailing from different perspectives, such as organizational structure, store location, store image, etc. Two main focuses are visual merchandising techniques, and fashion advertising and promotion strategies. Lecture, discussion.

Prerequisite: FACS 134. 3 units.

FACS 137. Social Psychology of Apparel. Relationship of humans and dress within their environment. Relative effects of societal factors, custom, and technology in determination of dress. Appearance is studied as a form of nonverbal communication and as a device for expressing cultural and social values. Lecture, discussion. **Prerequisite:** SOC 001. 3 units.

FACS 138. Consumer Issues in Textiles and Clothing. Consumer related issues in the textile product market. Influences on consumer demand for textile products and services; regulations; maintenance of textile products; factors which influence availability of goods; special problems of the textile consumer. Lecture, discussion, reports. **Prerequisite:** FACS 031. 3 units.

FACS 139. Textiles and Apparel in the Global Economy. Overview of global factors affecting the textiles and apparel industries and trade, the impact of textiles and apparel industries on the economy and consumers, the US textiles and apparel in the global economy, and strategies for balancing conflicting interest. Lecture, discussion. **Prerequisite:** FACS 134 or MGMT 120. 3 units.

Consumer Studies

FACS 140. Family Resource Management. Management of resources in family systems. Interaction of families with other societal and environmental systems in acquiring and using resources to meet goals and other demands. Lecture, composition. **Prerequisite:** Passing score on the WPE. 3 units.

FACS 141. Family Finance. The economic problems of and financial management by the individual and family. Topics include: income patterns, inflation, credit, contracts, housing, financial services, insurance, taxes, investments, retirement income planning. Lecture, discussion. 3 units.

FACS 142. Consumer Issues. Study of effect of consumer movements on protection of consumer rights. Current issues include marketplace fraud and redress; consumer information, education, and decision-making; privacy and environmental concerns; and advocacy for vulnerable consumer groups. Lecture, discussion, projects. 3 units.

FACS 143. Consumer Policy. Examination of consumer policy and regulations. Emphasis on consumer products, including food and drugs, housing, and credit. Strategies for promoting consumer advocacy. Lecture, discussion, field trips. **Prerequisite:** GOVT 001 or GOVT 150. 3 units.

FACS 147. Financial and Legal Aspects of Aging. Economic status, financial and consumer issues, legal rights and responsibilities and resource management for aging persons. Emphasis on financial planning for retirement and estate planning. Lecture, discussion, case studies. **Prerequisite:** FACS 141 or instructor permission. Spring only. 3 units.

FACS 149. Family Financial Counseling. Examination of professional issues in family financial planning including ethical considerations, regulations, communication skills, and professional responsibility. Development of skills needed by family financial counselors to counsel families with financial problems. Lecture, discussion, case study, counseling sessions. **Prerequisite:** FACS 141 and senior standing. 3 units.

Family Studies

FACS 108. Family Communication. The study of the family as a small group with emphasis on understanding and interpreting the dynamics of family communication using various communication and social-psychological theories. Opportunity to develop an analytical framework. **Prerequisite:** COMS 008, FACS 050, SOC 166, or instructor permission. Cross-listed as COMS 108; only one may be counted for credit. 3 units.

FACS 150. Family Stress and Coping: Multicultural Focus. Study of multicultural families and diverse family forms, with a focus on how families function under stress. Family theory and research are applied to the interpretation and analysis of selected literary works. **Prerequisite:** FACS 050 or equivalent with instructor permission. Passing score on the WPE. 3 units.

FACS 152. Adolescent Development. In-depth study of the achievements and challenges associated with the adolescent stage of development. Focus on understanding the needs and motivations of adolescents and the challenges they face within their socio-cultural environment. Lecture, discussion. **Note:** Not open to students who have taken PSYC 149. **Prerequisite:** FACS 052, CHDV 030, or instructor permission; previous or concurrent enrollment in CHDV 133 strongly recommended. 3 units.

FACS 154. Issues in Parenting. Survey of historical and contemporary attitudes toward parenting. Review of research on child-rearing and parent-child relationships. Use of case studies to explore the influence of personality, developmental stage, family structure, ethnic and cultural factors on parenting. Lecture, Case Study. **Prerequisite:** FACS 052, CHDV 030 or instructor permission; previous or concurrent enrollment in CHDV 133 strongly recommended. 3 units.

FACS 155. Family Life Education. Historical and philosophical perspective on sexuality education across the lifespan. Practice in curriculum development including content, objectives, and teaching strategies. Lecture, discussion. Spring only. 3 units.

FACS 157. Infant and Toddler: Development and Care. Research, theory and practice are examined in relation to each area of infant and toddler development (conception through 24 months): Physical, social, emotional, cognitive, and perceptual. Individual differences and needs are stressed. Issues pertinent to individual and group care will be covered. Activities include lecture, discussion, and observation. **Prerequisite:** FACS 052 or CHDV 030, or PSYC 148, or SWRK 125A, or EDTE 142. Cross-listed as CHDV 157; only one may be counted for credit. 3 units.

FACS 159. Adulthood and Aging in Human Development. Analysis of the aging process; the interrelation between physical, psychological, and social development in the middle and later years; and characteristic personal, family and community adjustment problems. **Prerequisite:** A human development course or instructor permission. 3 units.

Nutrition and Food

FACS 109. Food Safety and Sanitation. Introduction to food safety principles and application, microbiology of food safety, infection control, and safety issues. Examination of laws and regulations related to consumer and foodservice operations. Preparation for national foodservice sanitation certification examination. Lecture, discussion. 2 units.

FACS 110. Food Management. Study and laboratory experience in planning, procuring, preparing and serving nutritious and aesthetically pleasing meals for individuals, families and foodservice operations using residential and commercial equipment. Examination of the food marketing industry, labeling regulations, and factors which influence consumer decision making regarding food choices. Application of sensory

evaluation, recipe modification and standardization, and food and recipe costing techniques. Lecture three hours; laboratory three hours. **Prerequisite:** FACS 011. Fall only. 4 units.

FACS 112. Current Topics in Nutritional Sciences. Examination of contemporary and controversial topics in nutrition science and how they relate to nutritional needs of different population groups. Analysis of the research process and evaluation of validity of nutrition research. Lecture, discussion. 3 units.

FACS 113. Nutrition and Metabolism. Study of the structures, types and metabolism of carbohydrates, lipids and proteins. Discussion of the biological roles of vitamins and minerals. Application and integration of metabolic knowledge with health promotion and chronic disease. Lecture, composition. **Prerequisite:** BIO 010 or BIO 020; CHEM 001A or CHEM 006A. Passing score on the WPE. 3 units.

FACS 114. Cultural and Social Aspects of Food. Examination of the cultural and social meanings of food, food behaviors and food systems. Emphasis on the regional, ethnic and religious influences on food habits. Study of food production, distribution, and consumption historically and cross-culturally; traditional dishes and nutritional contributions of diets of several cultures. Lecture, discussion. 3 units.

FACS 115. Nutrition in the Lifespan. Examination of nutritional concerns, requirements, and metabolism during several stages of the life cycle, including: pregnancy, lactation, infancy, childhood, adolescence and the elderly years. Analysis of cultural, environmental, physical and economic factors affecting nutritional status. Study of methods of assuring adequate nutrition through dietary selection and promotion of maternal, infant, and geriatric health. Lecture, discussion. **Prerequisite:** FACS 113. 3 units.

FACS 116. Foodservice Management. Study of financial, facility, human resource management in commercial and noncommercial foodservice operations. Application of accounting principles, evaluation and selection of equipment, layout and design, and principles and practices of human resource management as an entry-level manager. Lecture, discussion three hours; fieldwork three hours. **Prerequisite:** FACS 011. Spring only. 4 units.

FACS 117. Community Nutrition. Study of theory, concepts and philosophy affecting nutrition education and services in the community. Introduction to techniques or interviewing and counseling clients. Emphasis on culturally sensitive approaches to dietary assessment, counseling and community nutrition research. Use of a variety of teaching methods to improve nutrition status of the community. Field study involves practical experience in a community nutrition program. Lecture, discussion two hours; field study three hours. **Prerequisite:** FACS 113. 3 units.

FACS 118A. Medical Nutrition Therapy I. Study of medical terminology and charting techniques for medical nutrition therapy. Examination of nutritional assessment, enteral and parental nutrition methods. Review of the etiology, development and dietary prevention and intervention of diseases influenced by nutrition such as: coronary disease, eating disorders and gastrointestinal disease. Analysis of client education and applied problem solving through clinical case studies. Lecture, discussion two hours; activity two hours. **Prerequisite:** FACS 113; BIO 131; BIO 131 may be taken concurrently. 3 units.

FACS 118B. Medical Nutrition Therapy II. Continuation of principles, methods, and skills as developed in FACS 118A. Review of the etiology, development and dietary prevention and intervention of diseases influenced by nutrition such as: diabetes mellitus, hepatic and biliary diseases, cancer, renal disease, pulmonary disease, neurological disorders, HIV and AIDS, and inborn errors of metabolism. Lecture, discussion two hours; activity two hours. **Prerequisite:** FACS 113, CHEM 161; CHEM 161 may be taken concurrently. 3 units.

FACS 119. Nutrition and Aging. Study of basic nutrition as it applies to health and vitality of the elderly. Cultural, environmental, physical and economic factors affecting nutritional status of the elderly. Investigation of special nutritional problems and nutritional care of chronic diseases associated with aging, as well as nutritional programs for the elderly. Lecture, discussion. **Prerequisite:** FACS 010, FACS 159, or instructor permission. 3 units.

FACS 170. Advanced Nutrition and Metabolism. Study of the metabolic roles of macro- and micronutrients. Discussion of integrated metabolism with regard to organ system and nutrient interactions. Biochemical discussion of inborn errors of metabolism and effects upon nutrient metabolism and dietary requirements. Analysis of experimental designs and methods employed in nutritional science research. Lecture, discussion. **Prerequisite:** CHEM 161, FACS 113; or instructor permission. Cross-listed as BIO 170; only one may be counted for credit. 3 units.

OTHER

FACS 195A. Field Study: Selected Areas in Family and Consumer Sciences. Guided study and experience in some area within Family and Consumer Sciences in which the student needs orientation or greater depth of study in a specialized field. **Prerequisite:** Instructor permission. Graded Credit/No Credit. 1-3 units.

FACS 195C. Internship. Directed observation and supervised work experience in an approved business, government, or service agency. Internships are offered for the purpose of increasing student understanding of the nature and scope of agency operations and giving students orientation in occupational specialties. Supervision is provided by authorized persons in the cooperating agencies and collaborative supervision is provided by the Family and Consumer Sciences faculty. Each student is required to maintain a record of activities and assignments and to prepare periodic reports. **Note:** Student must make arrangements with a faculty member for a work program prior to admittance to the course. A minimum of three hours per week per unit of credit is required. **Prerequisite:** Upper division status; 2.5 GPA or above. Graded Credit/No Credit. 3 units.

FACS 196. Experimental Offerings in Family and Consumer Sciences. Study of selected topics in Family and Consumer Sciences, chosen in accordance with availability of faculty and indication of interest by students. 1-3 units.

FACS 199. Special Problems. Individual projects or directed reading. **Note:** Departmental petition required. 1-3 units.

GRADUATE COURSES

FACS 295. Field Study. Guided study, observation or work experience in an area in which the graduate student needs advanced and specialized study. **Prerequisite:** Undergraduate major or minor in Family and Consumer Sciences; individual arrangement with instructor. Graded Credit/No Credit. 1-3 units.

FACS 296. Experimental Offerings in Family and Consumer Sciences. Advanced topics in Family and Consumer Sciences. **Prerequisite:** Undergraduate major or minor in Family and Consumer Sciences with completion of study in the five areas of Family and Consumer Sciences or individual arrangement with instructor. 1-4 units.

FACS 299. Special Problems. Any properly qualified student may pursue a problem after approval by his/her advisor and the staff member with whom he/she works. **Prerequisite:** Undergraduate major or minor in Family and Consumer Sciences. 1-3 units.