



The Department of **FAMILY AND CONSUMER SCIENCES**

"PLNU's Centennial Homecoming reflected the strong commitment of the institution to its timeless mission. The 'good ole days' that we enjoyed are a prelude to the 'great new days' that lie ahead."

Eugene L. Stowe, General Superintendent Emeritus, former Board of Trustees Member

OBJECTIVES

- To instill a knowledge of the role and significance of social, economic, and political influences on human life;
- To provide students with the understanding of the development of personal and interpersonal skills for successful personal, marriage, and family life; multicultural relations; and appraisal of individual values;
- To educate students in the comprehension of physical, emotional and social development in the successive stages of life;
- To prepare students for graduate school or a profession in education, business, industry, service agencies, and For Profit or Non-Profit Organizations.

TRADITION OF EXCELLENCE...

The Department of Family and Consumer Sciences emphasizes the many dimensions of human functioning and the importance of studying all its aspects. The department seeks to provide students with preparation for service and leadership in professions with strong family and consumer sciences skills to enhance the optimum well-being of families, individuals, and communities. The faculty is committed to developing and maintaining a close relationship with the students in the department. Point Loma is one of a few small, private colleges in California to offer Family Life Services and concentrations in Family and Consumer Sciences, Fashion Merchandising, and Housing and Interior environments. Additionally, Child Development majors receive the added benefit of an on-site laboratory pre-school. Educated professionals work with students to develop good teaching and interactive skills with young children. These offerings, combined with the faculty's dedication to being involved in student's lives, provide students with excellent opportunities to move into challenging graduate programs or their chosen profession.

STEP INTO YOUR FUTURE...

The Department of Family and Consumer Sciences prepares students for careers in business, industry, public and private agencies, schools, and institutions that provide goods, services, education, and information to consumers and families. Many students have gone on to become teachers, school administrators, social service agents, family/adult educators, manufacturer's representatives, fashion directors, interior consultants/coordinators, community service agents, nutrition educators, and healthcare specialists, to name a few.

FACULTY

Sandra Bolerjack Foster, M.S., C.F.C.S.
Texas Technological University

Kathleen Waite, M.A.
Point Loma Nazarene College

Kay M. Wilder, Ed.D., C.F.C.S.
Northern Arizona University

Child Development MAJOR

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 120	Intro to Child Development	4
FCS 150	Human Development	3
FCS 230	Personal Resource Management	2
PSY 103	General Psychology	3
	TOTAL	12

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 305	Lifecycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 385	Family and Parenting	2
FCS 420	Child Development in the Family and Community	4
FCS 425	Child Nutrition	4
FCS 497	Family and Consumer Sciences Senior Seminar	2
EDU 430	Psychology of the Exceptional Child	3
LIT 325	Children's Literature	3

PSY 321	Abnormal Psychology	3
Select 12 upper-division units from:		
FCS 300	Psychology of the Family	3
FCS 310	Early Childhood Education	3
FCS 460	Administration and Supervision in Early Childhood Education	4
FCS 470	Practicum in Child Development	2
FCS 475	Child Development Internship	2-4
ART 317	Art Education in the Classroom I OR	
ART 318	Art Education in the Classroom II	3
EDU 400	Multicultural Education	3
MUT 110	Fundamentals of Music	2
AND		
MUE 341	Music Skills for the Elementary Classroom Teacher	2
PED 308	Physical Education for Children	3
PSY 305	Developmental Psychology-Child	3
PSY 306	Developmental Psychology- Adolescence	3
PSY 307	Developmental Psychology- Adulthood and Aging	3
PSY 409	Psychology of Cognition and Learning	4
SOC 303	Sociology of the Family	3
SOC 340	Child Welfare TOTAL	40

Note: Students must be fingerprinted through community care licensing to obtain Child Abuse Central Index Clearance.

Consumer and Environmental Sciences MAJOR

Concentration in Family and Consumer Sciences

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 105	Apparel Construction	2
FCS 110	Fundamentals of Food	2
FCS 115	Fundamentals of Interior Design	2
FCS 120	Intro to Child Development	4
FCS 130	Fashion Industry	2
FCS 150	Human Development	3
FCS 220	Problems of Family Housing	2
FCS 230	Personal Resource Management	2
CHE 101	Chemistry and Society	4
TOTAL		23

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 300	Sociology of the Family	3
FCS 305	Lifecycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 320	Advanced Housing Environments	2
FCS 350	Consumer Economics	2
FCS 370	Apparel in Human Behavior and Culture	2

FCS 385	Family and Parenting	2
FCS 480	Family and Consumer Sciences Internship	2-4
FCS 497	Family and Consumer Sciences Senior Seminar	2

Select 12 units from:

FCS 310	Early Childhood Education	3
FCS 325	Food Management and Economics	2
FCS 400	Flat Pattern Making	2
FCS 405	Textile Sciences	2
FCS 416	Secondary School Methods in Family and Consumer Sciences	2
FCS 420	Child Development in the Family and Community	4
FCS 425	Child Nutrition	4
FCS 435	Food Service Production and Management	2
FCS 460	Administration and Supervision in Early Childhood Education	4
FCS 470	Practicum in Child Development	2
TOTAL		34-36

Concentration in Fashion Merchandising

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 105	Apparel Construction	2
FCS 130	Fashion Industry	2
FCS 140	History of Costume	2
FCS 150	Human Development	3
FCS 230	Personal Resource Management	2
ART 103	Two-Dimensional Design	3
ART 115	Drawing I	3
ACC 201	Principles of Accounting I	4
ECO 102	Principles of Economics II	3
CSC 122	Intro to Computers	2
TOTAL		26

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 315	Personal, Family and Community Health	3
FCS 370	Apparel in Human Behavior and Culture	2
FCS 375	Visual Presentation and Display	2
FCS 380	Fashion Merchandising	2
FCS 400	Flat Pattern Making	2
FCS 405	Textile Sciences	2
FCS 497	Family and Consumer Sciences Senior Seminar	2
BUS 312	Principles of Management	4
BUS 332	Principles of Marketing	4
BUS 334	Professional Selling and Sales Management	4
BUS 336	Advertising and Promotion Management	4
TOTAL		31

Family and Consumer Sciences

75
**Family and
 Consumer
 Sciences**

RECOMMENDED COURSES

COURSE #	TITLE	UNITS
FCS 480	Family and Consumer Sciences Internship	2-4
BUS 313	Administrative Communication	3
BUS 382	Entrepreneurship	2
ART 104	Three-Dimensional Design	3
ART 203	Graphic Design I	3
ART 206	Drawing II	3
ART 215	Intro to Computer Graphics	3
ART 303	Graphic Design II	3

Concentration in Housing and Interior Environments

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 115	Fundamentals of Interior Design	2
FCS 150	Human Development	3
FCS 220	Problems of Family Housing	2
FCS 230	Personal Resource Management	2
ART 103	Two-Dimensional Design	3
ART 115	Drawing I	3
ACC 201	Principles of Accounting I	4
ECO 102	Principles of Economics II	3
CSC 122	Intro to Computers	2
EGR 111	Engineering Drawing	1
	TOTAL	25

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 315	Personal, Family and Community Health	3
FCS 320	Advanced Housing Environments	2
FCS 360	Interior Design Materials, Lighting, and Residential Equipment	2
FCS 395	History of Design in Housing and Furniture	2
FCS 405	Textile Sciences	2
FCS 497	Family and Consumer Sciences Senior Seminar	2
BUS 312	Principles of Management	4
BUS 332	Principles of Marketing	4
BUS 334	Professional Selling and Sales Management	4
BUS 336	Advertising and Promotion Management	4
	TOTAL	29

RECOMMENDED COURSES

COURSE #	TITLE	UNITS
ART 104	Three-Dimensional Design	3
ART 203	Graphic Design I	3
ART 206	Drawing II	3
ART 215	Intro to Computer Graphics	3
ART 300	History of Western Art I	4
ART 301	History of Western Art II	4
ART 302	Twentieth Century Art	3
ART 303	Graphic Design II	3
BUS 312	Principles of Management	4
BUS 382	Entrepreneurship	2

Family Life Services

MAJOR

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 220	Problems of Family Housing	2
FCS 230	Personal Resource Management	2
PSY 103	General Psychology	3
SOC 101	Intro to Sociology	3
	TOTAL	15

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 300	Sociology of the Family	3
FCS 305	Life Cycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 325	Food Management and Economics	2
FCS 340	Nutrition Issues for Women in Disease Prevention in Health	2
FCS 350	Consumer Economics	2
FCS 385	Family and Parenting	2
FCS 420	Child Development in the Family and Community	4
FCS 480	Family and Consumer Sciences Internship	2-4
FCS 497	Family and Consumer Sciences Senior Seminar	2
PSY 321	Abnormal Psychology	3
PSY 340	Intro to Counseling/Clinical Interventions	3
SOC 316	Sociology of Aging	3
SOC 360	Ethnic and Status Groups	3
	TOTAL	38

RECOMMENDED COURSES

COURSE #	TITLE	UNITS
SOC 314	Juvenile Delinquency	3
SOC 320	Social Psychology	3
SOC 350	Urban Sociology	3
SWK 340	Child Welfare	3
PSY 341	Group Counseling	3
PSY 345	Group Dynamics	3
PSY 360	Human Sexuality	3
MTH 203	Intro to Statistics	3

Nutrition and Food

MAJOR

Concentration in Food Service Management

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 230	Personal Resource Management	2
ACC 201	Principles of Accounting I	4
CHE 101	Chemistry and Society	4
CSC 122	Intro to Computers	2
ECO 102	Principles of Economics II	3
	TOTAL	20

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 305	Life Cycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 325	Food Management and Economics	2
FCS 435	Food Service Production and Management	2
FCS 440	Advanced Foods	2
FCS 445	Catering	2
FCS 497	Family and Consumer Sciences Senior Seminar	2
BUS 312	Principles of Management	4
BUS 332	Principles of Marketing	4
BUS 334	Professional Selling and Sales Management	4
BUS 336	Advertising and Promotion Management	4
BUS 382	Entrepreneurship	2
	TOTAL	38

RECOMMENDED COURSES

COURSE #	TITLE	UNITS
FCS 340	Nutrition Issues for Women in Disease Prevention in Health	2
FCS 350	Consumer Economics	2
FCS 480	Family and Consumer Sciences Internship	2-4
BUS 301	Legal Environment of Business	4
BUS 313	Administrative Communication	3
BUS 374	Industrial Organizational Psychology /Human Resources	4
COM 220	Small Group Communication	3
COM 312	Gender and Communication	3
COM 340	Organizational Communication	3
PSY 320	Social Psychology	3
PSY 411	Emotion and Motivation	2

Concentration in Nutrition and Health

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 225	Fundamentals of Nutrition	3
FCS 230	Personal Resource Management	2
BIO 130	Human Anatomy and Physiology I	4
BIO 140	Human Anatomy and Physiology II	4
CHE 103	Intro to General, Organic, and Biological Chemistry	5
	TOTAL	23

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 305	Life Cycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 325	Food Management and Economics	2
FCS 330	Public Health Nutrition	3
FCS 335	Nutrition Research	2

FCS 340	Nutrition Issues for Women in Disease Prevention in Health	2
FCS 345	Human Nutrition	2
FCS 415	Medical Nutrition Therapy	4
FCS 425	Child Nutrition	4
FCS 440	Advanced Foods	2
FCS 497	Family and Consumer Sciences Senior Seminar	2
	TOTAL	30

RECOMMENDED COURSES

COURSE #	TITLE	UNITS
FCS 300	Sociology of the Family	3
FCS 435	Food Service Production and Management	2
FCS 445	Catering	2
FCS 490	Special Studies in Family and Consumer Sciences	1-4
PSY 103	General Psychology	3
PSY 340	Intro to Counseling/ Clinical Interventions	3
PSY 345	Group Dynamics	3

Concentration in Pre-Dietetics

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 225	Fundamentals of Nutrition	3
FCS 230	Personal Resource Management	2
BIO 110	Cell Biology and Biochemistry	4
CHE 103	Intro to General, Organic, and Biological Chemistry	5
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 295	Organic Chemistry I	5
MTH 123	Elementary Functions	3
	TOTAL	35

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 305	Life Cycle Nutrition	4
FCS 315	Personal, Family and Community Health	3
FCS 325	Food Management and Economics	2
FCS 330	Public Health Nutrition	3
FCS 335	Nutrition Research	2
FCS 345	Human Nutrition	2
FCS 415	Medical Nutrition Therapy	4
FCS 435	Food Service Production and Management	2
FCS 440	Advanced Foods	2
FCS 450	Advanced Nutrition	2
FCS 455	Food Science	2
FCS 497	Family and Consumer Sciences Senior Seminar	2
CHE 450	Advanced Biochemistry	4
	TOTAL	34

RECOMMENDED

*Recommended for Admission into American Dietetics
Association Approved Graduate Schools*

COURSE #	TITLE	UNITS
BIO 130	Human Anatomy and Physiology I	.4
BIO 140	Human Anatomy and Physiology II	.4
BIO 220	Microbiology of Infectious Diseases	.5

Child Development

MINOR

This minor is for students who desire an introductory exposure to the study of child development. It will also meet the requirements for the Associate Teacher Permit needed for teachers in Early Childhood.

THE REQUIREMENTS ARE:

COURSE #	TITLE	UNITS
FCS 120	Intro to Child Development	.4
FCS 305	Life Cycle Nutrition	.4
FCS 315	Personal, Family and Community Health	.3
FCS 420	Child Development in the Family and Community	.4
	TOTAL	.15

ONE ADDITIONAL COURSE FROM THE FOLLOWING:

COURSE #	TITLE	UNITS
FCS 300	Sociology of the Family	.3
FCS 310*	Early Childhood Education	.4
FCS 385	Family and Parenting	.2
EDU 430	Psychology of the Exceptional Child	.3
	TOTAL	.12

* Must be taken for Associate Teacher Permit. Students must be fingerprinted through community care licensing to obtain Child Abuse Central Index Clearance.

Nutrition

MINOR

The minor in Nutrition is for students interested in the field of nutrition and well being. The program consists of a foundation in food, nutrition and disease prevention as it relates to one's health.

Graduation requirements as specified under Curricular Requirements for the Bachelor of Arts degree. Fifteen (15) units are required for this minor. The following lower and upper-division courses are required:

LOWER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 110	Fundamentals of Food	.2
FCS 225	Fundamentals of Nutrition	.3
	TOTAL	.5

UPPER-DIVISION REQUIREMENTS

COURSE #	TITLE	UNITS
FCS 305	Life Cycle Nutrition	.4
FCS 325	Food Management and Economics	.2
FCS 340	Nutrition Issues for Women in Disease Prevention in Health	.2
FCS 440	Advanced Foods	.2
	TOTAL	.10

Family and Consumer Sciences

COURSES

FCS 105 (2) APPAREL CONSTRUCTION

Fundamental processes in clothing construction. An analysis and comparison of construction techniques and fabric types. Lecture and garment construction laboratory.

FCS 110 (2) FUNDAMENTALS OF FOOD

Development of technique and application of fundamental scientific principles of food preparation. Establishment of quality standards for food products and food safety. Lecture, computer applications and laboratory.

FCS 115 (2) FUNDAMENTALS OF INTERIOR DESIGN

The study of basic design principles related to interior environments for meeting the needs of individuals and families. Application of design principles in selection and placement of furniture, floor and wall coverings and accessories. Interior design career opportunities and responsibilities are discussed. Computer applications laboratory.

FCS 120 (4) INTRODUCTION TO CHILD DEVELOPMENT

A study of the development of the child through preadolescent years with emphasis on early childhood. Laboratory experience with children required.

Note: Students must be fingerprinted through community care licensing to obtain Child Abuse Central Index Clearance.

FCS 130 (2) FASHION INDUSTRY

Overview of the fashion industry worldwide and services that comprise the business of fashion. Terminology, designers, trade organizations and publications will be emphasized. This course includes field study of the textile and apparel industry.

FCS 140 (2) HISTORY OF COSTUME

Costume from ancient civilization to the present including social, political, and economic forces that influenced development. Application of design principles in costume selection and design is emphasized. Lecture, computer applications, and laboratory. Alt.*

Family and Consumer Sciences

77

FCS 150 (3) HUMAN DEVELOPMENT

A study of the physical, social, emotional, and intellectual development of the individual throughout the life span. Laboratory experience required.

FCS 220 (2) PROBLEMS OF FAMILY HOUSING

Effects of various housing conditions on the dynamics of family life in the home. Emphasis on consumer housing problems of low income families, singles and elderly, the homeless, and political housing issues. Alt.*

FCS 225 (3) FUNDAMENTALS OF NUTRITION

Nutritional principles and the scientific use of diet in health. Application of nutritional requirements with special dietary needs. Course also includes a segment on medical nutrition therapy. Computer applications required.

Prerequisite: Four units of Chemistry.

FCS 230 (2) PERSONAL RESOURCE MANAGEMENT

Relationship of values, standards and goals to the allocation of resources and the decision-making process. Conditions which influence individual and family management. Computer applications required.

FCS 300 (3) SOCIOLOGY OF THE FAMILY

A study of the changing nature and function of the family as a basic institution of society with emphasis upon variety related to culture, class, and ethnicity.

FCS 305 (4) LIFE CYCLE NUTRITION

A study of nutrition specifically applied to the stages of human development and to the current nutritional issues with analysis of personal nutritional needs. Computer applications required.

FCS 310 (4) EARLY CHILDHOOD EDUCATION

The study and practice of principles, curriculum, methods, material and special needs of preschool, kindergarten and grades first through third. Student will have experience in appropriate lesson plan writing, field experience and development appropriate practices. Three hours of lecture and one hour of observation time per week.

Prerequisite: Family and Consumer Sciences 120.

FCS 315 (3) PERSONAL, FAMILY, AND COMMUNITY HEALTH - GE

An introduction to and analysis of the family's responsibility in personal, family, and community health issues. Emphasis in physical, emotional, and mental well-being with individual assessments.

FCS 320 (2) ADVANCED HOUSING ENVIRONMENTS

Planning the total home environment. Housing and interior design from a non-technical basis. Credit in Family and Consumer Sciences or Art and Design. Computer applications laboratory. Alt.+

Prerequisite: Family and Consumer Sciences 115.

FCS 325 (2) FOOD MANAGEMENT AND ECONOMICS

A study of management skills and techniques in planning, preparation and service of meals in various economic settings. Time, energy, economics, culture, ethnicity and religion are emphasized. Lecture, computer applications and laboratory.

Prerequisite: Family and Consumer Sciences 110.

FCS 330 (3) PUBLIC HEALTH NUTRITION

The delivery of nutrition services in the community setting. Emphasis is placed on disease prevention and health promotion. A review of the impacts of culture, socio-economic status, ethnicity and psychological factors effecting eating behaviors and food consumption. Use of epidemiologic studies will be utilized to assess disease trends. Lecture, computer applications, arranged laboratory and field experiences. Alt.*

Prerequisite: Family and Consumer Sciences 225.

FCS 335 (2) NUTRITION RESEARCH

Current scientific literature will be reviewed and applicable research methodologies discussed. The role of statistics in scientific research will be reviewed. Statistical inference: sampling, distribution, t-test, chi-square, and correlation. Sources of data analyzed will be from surveys, clinical trials, retrospective, and prospective studies. Computer applications required. Alt.*

Prerequisites: Chemistry 103, Family and Consumer Sciences 225 or 315, and Mathematics 123 or 303.

FCS 340 (2) NUTRITION ISSUES FOR WOMEN IN DISEASE PREVENTION IN HEALTH - WS

Current scientific literature will be reviewed on the gender difference in women's health. Emphasis is placed on protecting American women from eating abnormalities, cancer, heart disease, post-menopausal syndrome, and osteoporosis.

FCS 345 (2) HUMAN NUTRITION

The role of dietary modifications in the treatment of pathological conditions. Techniques for assessing, evaluating and planning to improve an individuals nutritional status. Alt.+

Prerequisite: Chemistry 103 and Family and Consumer Sciences 225.

FCS 350 (2) CONSUMER ECONOMICS

Consideration of marketing functions and structure from the standpoint of the consumer. Emphasis on standards for the selection of consumer goods and protection of the consumer, with consideration of consumer values and motivation. Computer applications required. Alt.*

**FCS 360 (2) INTERIOR DESIGN MATERIALS, LIGHTING,
AND RESIDENTIAL EQUIPMENT**

The study of the materials and components used in the decoration and design of residential interiors with an emphasis on lighting design as applied to the home environment. A survey of equipment and technological systems in a residential environment is included in this course. Computer applications required. Alt.*

**FCS 370 (2) APPAREL IN HUMAN BEHAVIOR AND
CULTURE**

Socio-psychological, cultural and aesthetic aspects of clothing as related to human behavior. Analysis of social science theories and concepts applicable to clothing and appearance. Alt.+

FCS 375 (2) VISUAL PRESENTATION AND DISPLAY

The study and application of principles and practices in arranging visual displays for fashion merchandising retailing. Emphasis will be placed on creative techniques utilized in the display of retail fashion merchandise and their effective application to the enhancement of product salability. Computer applications laboratory. Alt.*

FCS 380 (2) FASHION MERCHANDISING

An introduction to the fashion industry including its history, marketing principles and professional opportunities. Application of merchandising concepts for the budgeting, planning, buying, promotion and selling of fashion goods and apparel in retail organizations. Alt.*

FCS 385 (2) FAMILY AND PARENTING

An analysis of family interaction patterns throughout the life cycle. Emphasis is on understanding family dynamics in relationships as well as opportunities to clarify values and improve communication patterns within the family. Exploration and discussion of the roles of parents in a child's development, concerns facing parents and parenting in varying life circumstances.

**FCS 395 (2) HISTORY OF DESIGN IN HOUSING AND
FURNITURE**

Survey of architecture, interiors and furniture from ancient times to the present including recent adaptations and contemporary developments. Alt.*

FCS 400 (2) FLAT PATTERN MAKING

Pattern design analyzed through the basic techniques of fitting and flat pattern manipulation. Application of design includes the development and construction of original garments. Lecture, computer applications and construction laboratory. Alt.*

Prerequisite: Family and Consumer Sciences 105.

FCS 405 (2) TEXTILE SCIENCES

The study of fiber structure and properties, yarn, fabric construction and finishes as related to selection, use and care. Includes recognition of fabrics and factors that determine serviceability. Laboratory testing of fiber and fabric with computer applications. Alt.+

FCS 415 (4) MEDICAL NUTRITION THERAPY

A study of nutrition status and assessments; nutrition care strategies; and the modification of normal food intake with emphasis on dietary adjustments necessitated by certain disease and disorder processes and conditions focusing on the hospitalized patient. Computer applications required. Alt.*

Prerequisite: Family and Consumer Sciences 345.

**FCS 416 (2) SECONDARY SCHOOL METHODS IN FAMILY
AND CONSUMER SCIENCES**

Traditional and current practices of the teaching of secondary school home economics are examined and practiced. Students must also fulfill a field experience assignment. Emphasis is given to the California Home Economics Education Career Path Guide and Model Curriculum Standards. Computer applications required.

**FCS 420 (4) CHILD DEVELOPMENT IN THE FAMILY AND
COMMUNITY**

A study of the development of the child as influenced by the family, school and community. Emphasis is placed on analyzing the social influences on family systems, child care, schools, poverty, peer groups, mass media, diverse cultures and community services on children's development. Field experience required.

Prerequisite: Family and Consumer Sciences 120 or 150.

FCS 425 (4) CHILD NUTRITION

A study of the effect of nutrition on the development of the child, pre-natal through adolescent. Attention is given to nutrition related health problems and dietary planning. Computer applications required.

Prerequisite: Family and Consumer Sciences 225 or 305.

**FCS 435 (2) FOOD SERVICE PRODUCTION AND
MANAGEMENT**

Principles of successful organization and management with their application to the effective operation of food services. Administrative responsibilities of a food manager. Planning and preparing food to meet specific product standards for large groups. Lecture, computer applications, arranged laboratory and field experiences. Alt.*

Prerequisite: Family and Consumer Sciences 110.

FCS 440 (2) ADVANCED FOODS

A study of food experimentations. The manner in which changing the proportion of ingredients and method of combination affects the final product. A study of food preparation in various world cultures. Lecture, computer applications and laboratory. Alt.*

Prerequisites: Chemistry 101, 103, 110 or 152, and Family and Consumer Sciences 110.

FCS 445 (2) CATERING

A study of specialized food production techniques and operation principles for home or small catering establishment. Types of catering services, recipe and menu development, costing marketing and implementing a catering business will be discussed. Lecture, bi-weekly three-hour laboratory experience, field experiences, and computer applications required. Alt.+

Prerequisite: Family and Consumer Sciences 110.

FCS 450 (2) ADVANCED NUTRITION

Theories integrated from physiology, Biochemistry and nutrition. An in-depth study of nutrients and their role in human metabolism. Current research on human metabolic processes will be analyzed. Computer applications required. Alt.+

Corequisite: Chemistry 450.

FCS 455 (2) FOOD SCIENCE

Analysis of the composition and chemical structure of food that affect the color, flavor, texture, aroma, and nutritive quality. The application of this information for careers in the food industry. Current research in food technology and food consumption patterns is investigated. Computer applications required. Alt.+

Prerequisite: Chemistry 295.

FCS 460 (4) ADMINISTRATION AND SUPERVISION IN EARLY CHILDHOOD EDUCATION

Application of basic principles in the guidance of young children. To examine the multi-dimensional roles of the early childhood program director/administrative styles, management tools and interpersonal skills that contribute to effective leadership. Three hours of lecture and one hour observation time per week.

Prerequisite: Family and Consumer Sciences 310.

FCS 470 (2) PRACTICUM IN CHILD DEVELOPMENT

Practicum in laboratory experience in the campus Early Childhood Center. It is designed for students who plan careers in early childhood and family support programs. Students become familiar with observing the development, guiding, and teaching children in a preschool program. This course may be used toward the experience component for the State of California Child Development Permit.

Prerequisites: Family and Consumer Sciences 120 and 310.

FCS 475 (2 OR 4) CHILD DEVELOPMENT INTERNSHIP

Career-related work experience in which students observe and actively participate using their acquired skills and knowledge. Students are under the supervision of a department faculty supervisor and a qualified on-site supervisor. For 2 units of credit 80 hours of work experience is required, for 4 units 160 hours of work experience is required. Graded Credit/No Credit.

Prerequisites: Senior standing. Family and Consumer Sciences 120. Consent of department chair.

FCS 480 (2 OR 4) FAMILY AND CONSUMER SCIENCES INTERNSHIP

Career-related work experience in which students observe and actively participate using their acquired skills and knowledge. Students are under the supervision of a department faculty supervisor and a qualified on-site supervisor. For 2 units of credit 80 hours of work experience is required, for 4 units 160 hours of work experience is required. Graded Credit/ No Credit.

Prerequisites: Senior standing. Consent of department chair.

FCS 490 (1-4) SPECIAL STUDIES IN FAMILY AND CONSUMER SCIENCES

An individualized and detailed research study from selected topics. The research topic must be approved and supervised throughout the semester.

Prerequisites: Senior standing with the Department of Family and Consumer Sciences. Consent of department chair. May be repeated for up to a total of four units.

FCS 497 (2) FAMILY AND CONSUMER SCIENCES SENIOR SEMINAR

Analysis and discussions of interrelated issues found within the areas of Family and Consumer Sciences. Topics studied not otherwise included in other course work, such as research, public policy, professional accreditation and historical significance.

Required of all seniors graduating in the Department of Family and Consumer Sciences.