

# 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 food preparation 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 (3) CHILD AND ADOLESCENT DEVELOPMENT**

The study of physical, social, emotional, cognitive growth and development of the child, from prenatal months through adolescent years. Classroom lecture and course readings are supplemented by laboratory field experience in the Early Childhood Learning Center or other centers designed for children and adolescents, and appropriate projects.

## **FCS 130 (3) FASHION INDUSTRY**

Overview of the fashion industry worldwide and services that comprise the business of fashion. Terminology, designers, trade organizations and publications are 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. Offered 2005-06.

## **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 200 (1) INTRODUCTION TO HOUSING AND FASHION COMPUTER-AIDED DESIGN**

Practical skills essential to computer-aided design through lecture and hands-on training at computer terminals using Auto CAD software. Projects focus on apparel and housing interior environment design applications.

*Prerequisite: Computer Science 122.*

## **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. Offered 2005-06.

## **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. Offered on a Quad basis.

## **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. Students gain experience in appropriate lesson plan writing with developmentally appropriate practices. A supervised field experience is required.

*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. Offered 2004-05.

*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 impact of culture, socio-economic status, ethnicity and psychological factors effecting eating behaviors and food consumption. Epidemiological studies are utilized to assess disease trends. Lecture, computer applications, arranged laboratory and field experiences are required. Offered 2005-06.

*Prerequisite: Family and Consumer Sciences 225.*

### **FCS 335 (2) NUTRITION RESEARCH**

Current scientific literature is reviewed and applicable research methodologies discussed. The role of statistics in scientific research is reviewed. Statistical inference: sampling, distribution, t-test, chi-square, and correlation. Sources of data analyzed is from surveys, clinical trials, retrospective, and prospective studies. Computer applications required. Offered 2005-06.

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

*Consent of instructor.*

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

Current scientific literature is reviewed on the gender difference in women's health. Discussion includes protecting American women from disordered eating, cancer, heart disease, post-menopausal effects, 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. Offered 2004-2005.

*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. Offered on a Quad basis. Offered 2005-06.

### **FCS 355 (3) DEVELOPMENT OF SPECIAL NEEDS CHILDREN**

The study of strategies of guiding children with special needs. The role of the adults influencing the child's social, emotional, cognitive and physical growth and development are investigated. Family systems theories and educational methods, environments and programs are explored as it relates to the special needs child's developmental stages. A wide variety of children's exceptionalities are included giftedness, physical challenges, learning disabilities, and behavior disorders. Observation, field experiences, and visitations to community educational facilities are required. Fifteen hours for field experience.

*Prerequisite: Family and Consumer Sciences 120 or 150.*

### **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. Offered 2005-06.

*Prerequisite: Family and Consumer Sciences 115.*

### **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. Offered 2004-05.

*Prerequisite: Psychology 101 or 103.*

### **FCS 375 (2) VISUAL PRESENTATION AND DISPLAY**

The study and application of principles and practices in arranging visual displays for fashion/interiors merchandising retailing. Emphasis is placed on creative techniques utilized in the display of retail fashion merchandise/interiors and their effective application to the enhancement of product salability. Computer applications laboratory. Offered 2005-06.

*Prerequisite: Family and Consumer Sciences 115, 130 and Art 102.*

### **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. Offered 2005-06.

*Prerequisite: Family and Consumer Sciences 130, Computer Science 122, and Accounting 201.*

**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. Offered on a Quad basis.

**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. Offered 2005-06.

**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. Offered 2005-06.

*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. Offered 2004-05.

*Prerequisite: Four units of a laboratory science course.*

**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. Offered 2005-06.

*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. Offered 2005-06.

*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. Offered 2005-06.

*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. Offered 2004-05.

*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 is analyzed. Computer applications required. Offered 2004-05.

*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. Offered 2004-05.

*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. Supervised field experience in an early childhood education setting is required.

*Prerequisite: Family and Consumer Sciences 310.*

**FCS 470 (3) PRACTICUM IN CHILD DEVELOPMENT**

Supervised practicum in laboratory experience in an approved 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 of the State of California Child Development Site Supervisor Permit.

*Prerequisites: Family and Consumer Sciences 120 and 310 and consent of instructor.*

**FCS 475 (2 OR 4) INTERNSHIP IN CHILD DEVELOPMENT**

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 four units 160 hours of work experience is required. May be repeated up to a total of four units. Graded Credit/No Credit.

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

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

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 four units 160 hours of work experience is required. May be repeated up to a total of four units. 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. May be repeated up to a total of four units.

*Prerequisites: Senior standing in the Department of Family and Consumer Sciences. Consent of department chair.*

**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.