

# FAMILY AND CONSUMER SCIENCES (FCS)

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## **FCS 122 PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES2 Credits**

The history, philosophy, and professional perspectives of the field of family and consumer sciences Career exploration and academic planning are explored. Lecture and discussion, onsite observations with guest lecturers.

## **FCS 135 ALTERATION AND CONSTRUCTION TECHNIQUES2 Credits**

Adaptation of commercial patterns as well as custom-fitting techniques for ready-made items are incorporated in this course. The processes of sewing technologies, including selection and use of equipment, patterns, fabrics, notions, and fundamental techniques are utilized. Construction techniques will be applied to apparel and home interior fashions. Student learning objectives will build upon prior knowledge and skills. A service learning project is incorporated. Additional laboratory fees are associated.

**Co-requisites:** FCS 135L

## **FCS 135L ALTERATIONS AND CONSTRUCTION LAB1 Credit**

Adaptations of commercial patterns as well as custom-fitting techniques for ready-made items are incorporated in this course. The processes of sewing technologies, including selection and use of equipment, patterns, fabrics, notions, and fundamental techniques are utilized. Construction techniques will be applied to apparel and home interior fashions. Student learning outcomes will build upon prior knowledge and skills. A service learning project is incorporated into the class and lab experience. Additional laboratory fees are associated.

**Co-requisites:** FCS 135

## **FCS 136 FOOD SCIENCE2 Credits**

This course will explore the science of food by examining the basic chemistry of carbohydrates, proteins and lipids. This course will provide students the opportunity to examine food in scientific terms and test theoretical principles using the scientific method of observation, measurement, recording, reasoning and reporting. In a laboratory setting students will apply their knowledge and skills to observe, measure, record, control and modify the chemical and physical properties of food. Students will examine chemical reactions and key chemical compounds that relate to oxidative and structural changes in food, as well as food quality.

**Essential Studies Outcome:** ES6

**Co-requisites:** FCS 136L

## **FCS 136L FOOD SCIENCE LAB1 Credit**

This course must be taken in conjunction with FCS 136 Food Science. Student will gain lab experience in applying principles of food science. Lab fee required for this course.

**Essential Studies Outcome:** ES6

**Co-requisites:** FCS 136

## **FCS 139 HUMAN DEVELOPMENT3 Credits**

Human development from conception through adulthood is analyzed from physiological, cognitive, and socio-emotional perspectives. Emphasis is on wellness throughout the lifespan. A combination of lecture, practical application and observation of the stages of development are incorporated.

## **FCS 149 BASIC HEALTH CARE2 Credits**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab with additional laboratory fees.

**Co-requisites:** FCS 149L

## **FCS 149L BASIC HEALTH CARE LAB1 Credit**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab with additional laboratory fees.

**Co-requisites:** FCS 149

## **FCS 160 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.

## **FCS 224 HOUSING AND INTERIOR DESIGN3 Credits**

Architectural and interior design elements and principles as related to residential and commercial applications including furnishing and finishing materials and treatments. Blueprint reading, floor plan modification and design are explored. Elements and principles of design are incorporated as well as the business of design.

## **FCS 225 ADOLESCENT DEVELOPMENT3 Credits**

Adolescence covers the span of life between the ages of 11 and 19. Throughout the course, students will gain knowledge and skill in the identification of characteristics, developmental and theoretical principles associated with early, middle and late adolescence. Practical application experiences will provide opportunities for the exploration of content knowledge and understanding associated with the developmental process.

## **FCS 233 FAMILIES IN SOCIETY3 Credits**

Investigation into the roles and expressions of familial arrangements across various cultures and within distinct subgroups of society in order to promote understanding of individuals from diverse backgrounds.

**Essential Studies Outcome:** ES10

## **FCS 234 INTRODUCTION TO HEALTH AND HUMAN SERVICES3 Credits**

Exploration of careers within various health and human services areas. This course provides awareness, information, and competencies necessary to facilitate entry into the health and human services. Topics of study include organizational management, planning service to clients, need analysis, and principles of health and human services.

## **FCS 236 FOOD & MEALS ACROSS THE LIFESPAN2 Credits**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health. Additional laboratory fees associated.

**Co-requisites:** FCS 236L

**FCS 236L FOODS & MEALS ACROSS THE LIFESPAN LAB1 Credit**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health. Lecture and lab with additional laboratory fees associated.

**Co-requisites:** FCS 236

**FCS 239 PARTNERS IN EDUCATION3 Credits**

The content of the course examines theory, principles, methodology and practical techniques for creating optimal working relationships which empower and strengthen partnerships among individuals, families, and communities. Students will gain an understanding of the process involved with establishing natural, inclusive environments effective relationships with schools and community based programs through service-learning and family stories.

**FCS 247 NUTRITION3 Credits**

Study of the nutrients and their relationship to health and wellness. Major topics include the functions and sources of each of the nutrients: diseases and conditions associated with deficiencies and toxicities of nutrients, including obesity and eating disorders; nutrient needs of special populations, such as athletes, children, and pregnant women; and wellness lifestyles.

**Essential Studies Outcome:** ES11

**FCS 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.

**FCS 314 FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. This course will cover different trends and topics each year, and will change letters in a four year rotation (314A, 314B . . . ). The course may be repeated for up to a total of four credit hours.

**FCS 314A FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. May be repeated for up to a total of four hours credit. First year students will enroll in 314A, second years students 314B, juniors 314C, and seniors 314D. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Sophomore or above status

**FCS 314B FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. May be repeated for up to a total of four hours credit. First year students will enroll in 314A, second year students in 314B, juniors 314C, and seniors 314D. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**FCS 314C FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. May be repeated for up to a total of four hours credit. First year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Junior or above status

**FCS 314D FUTURE FOCUS1 Credit**

Using the critical science perspective, discussion of current topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. May be repeated for up to a total of four hours credit. First year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Senior status

**FCS 320 AGING AND DEATH3 Credits**

The life cycle as related to aging, the dying process, aging theories, and the psychological, social, and economic dimensions of bereavement are examined in this course of study. Emphasis will be placed on the economic and social needs of individuals involved with an aging and dying person. A service learning project is incorporated in the design of this course.

**Essential Studies Outcome:** ES10

**Prerequisites:** Sophomore or above status

**FCS 321A CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION2 Credits**

Students will examine a variety of curriculum models and lesson plan formats and that support best practices for meeting the developmental needs of children birth to age 8, in natural, inclusive environments.

Throughout the course, students will have the opportunity to apply skills in planning, organizing and developing activities, integrated into daily and weekly lesson plans and philosophical foundations will guide students as they weave knowledge base content into practical application exercises associated with early childhood environments.

**Prerequisites:** Sophomore or above status

**FCS 331 RESOURCE MANAGEMENT3 Credits**

This course involves exploration of the decision-making process of planning, implementing, and evaluating the use of resources to meet individual and family goals throughout the lifespan. Resources to be addressed include time, energy, money, and human capital, as well as clothing and housing. Wellness and quality of life issues will be considered.

**Prerequisites:** Sophomore or above status

**FCS 337 GUIDANCE TECHNIQUES IN HUMAN RELATIONS3 Credits**

Throughout this course, student will examine the strategies, principles and techniques for understanding the outcomes with effective conflict resolution and positive guidance. The content of the course will focus on identifying common behaviors, teaching social-emotional skills, examining positive guidance approaches, and developing the skills to support self-control and self-discipline in building human relations. Students will be actively engaged in field experiences developing observation skills and demonstrating best practices for the process of effectively assessing and managing behavior.

**FCS 338 PRENATAL AND INFANT PRACTICUM3 Credits**

Students will learn to utilize research methods for understanding the social, emotional, intellectual/cognitive, language, and physical development of infants and toddlers between the ages of 0 and 3, including pregnancy. Theoretical concepts, developmental ages and stages, appropriate practices and competencies for developing the necessary skills to actively engage in the growth and development process of infants and toddlers. Students will be actively engaged in practicum experiences that integrate content knowledge, skills and competencies through observation and practical laboratory experiences. Students must complete a minimum of 30 contact hours working with infants and toddlers for successful completion in the course.

**FCS 340L CURRENT TRENDS IN DESIGN1-3 Credits**

Design and construction trends will be explored in this laboratory course. The trend will be determined by the interest expressed by students as well as the commercial emphasis in the design field. Students may enroll for 1 to 3 credits repeatable for up to 6 credit hours. This lab course will have an additional laboratory fee.

**Prerequisites:** Sophomore or above status

**FCS 341 TEXTILES3 Credits**

Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.

**Prerequisites:** Sophomore or above status.

**Co-requisites:** FCS 341L

**FCS 341L TEXTILES LABORATORY1 Credit**

Laboratory investigation, identification, and analysis of fibers, yarns, fabrics and finishes will be conducted. Experiments, testing, and design of textiles, fibers, yarns, weaving, knitting, and/or finishes are methodologies employed.

**FCS 390 INTERNSHIP IN FCS1-12 Credits**

Provides practical experience in an agency related to Family and Consumer Sciences. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

**Add Consent:** Department Consent

**FCS 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Selected problems of interest to advanced students. **Prerequisite:** Consent of the instructor, Academic Dean of the school, and Academic Vice President.

**Add Consent:** Instructor Consent

**FCS 417 LIFESPAN WELLNESS3 Credits**

Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle as well as understand the importance of a healthy lifestyle throughout the lifespan. Examination of health, history, medications, culture, ages, lifestyles, predisposed health conditions, injury/physical challenges, and the individual's goals/objectives. Students will use wellness models and developmental models as a basis for learning skills and strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in promoting optimal wellness choices. This course satisfies Essential Studies Student Learning Outcome #11 requirement.

**Essential Studies Outcome:** ES11

**Prerequisites:** Junior or above status

**FCS 420 LOSS ACROSS THE LIFESPAN3 Credits**

A study of the "losses" experienced by individuals and families. This includes the loss of things, relationships, and function, as well as intrapsychic loss, social loss, and systemic loss. Losses and the interpretation of loss change as individuals progress through the life cycle. This course will focus on loss and grief across the lifespan.

**Prerequisites:** Junior or above status

**FCS 421 ORGANIZATION, ADMINISTRATION, AND CURRICULUM OF FCS2 Credits**

An investigation into Family and Consumer Sciences departmental management and funding, community activities and relations, youth organizations, and facility/equipment maintenance. Curriculum materials will be developed.

**FCS 422 PROFESSIONAL CAREER DEVELOPMENT3 Credits**

The course will provide students an opportunity to prepare for a Professional Career using research, application and demonstration of intellectual and practical skills. Students will demonstrate an understanding of knowledge, theory, methods and historical perspectives associated with a Career and employment through application exercises. A requirement for successful completion of the capstone course is to develop and present a professional portfolio inclusive of evidence that demonstrates an ability for self-reflective, critical and creative thinking.

**Essential Studies Outcome:** ES12

**Prerequisites:** Junior or above status

**FCS 423 PROGRAM DEVELOPMENT AND MANAGEMENT3 Credits**

A study of the process involved with developing and managing program operations including development of policies and procedures, funding, grant writing, organization of personnel, menu planning, assessment, marketing, technology, community relations, and family partnerships. Integrates basic principles, strategies, knowledge, and skills necessary for developing, managing and administering successful programs/organizations from pre-planning to final operation.

**Prerequisites:** Junior or above status

**FCS 427 WORKSITE WELLNESS3 Credits**

This course covers the assessment, development/design, implementation and evaluation of worksite health promotion programs and the benefits these programs have for employees, their families, employers and society. Students will review various health risk appraisals and plan theory-based incentive programs designed to promote positive lifestyles. Students will learn how to facilitate implementation and evaluation of wellness programs for individuals and worksite locations. An examination of the physical and psychological factors that affect health throughout the life cycle will be made by applying fundamental knowledge and skills of designing, planning and evaluating a basic workplace wellness programs. Students will also conduct and report on a workplace needs assessment and prepare a proposal to implement a sustainable, comprehensive and integrated workplace health and wellness program.

**Essential Studies Outcome:** ES9

**FCS 434 ISSUES IN HEALTH AND HUMAN SERVICES3 Credits**

Provides an opportunity to concentrate on current issues in the health and human services field including policies, programs, funding, consumer rights, and administrative issues. Significant emphasis is placed on effective grantsmanship, including writing and administering grant proposals.

**FCS 435 CONSUMER SCIENCE3 Credits**

Goods and services available to the individual and/or family including information analysis, consumer communication skills, commodity exchanges and merchandise standardization are analyzed to maximize financial wellness across the lifespan.

**Prerequisites:** Junior or above status

**FCS 436 GLOBAL FOOD SYSTEMS3 Credits**

Analysis of various world-wide food patterns and associated health status as well as food production and distribution patterns around the world. Understanding and appreciation of the international perspective will be approached with critical thinking strategies. Comprehensive presentations and discussions about policies and current practices for a sustainable global food system, with a focus on developing countries included. Topics include economic policy related to nutrition, health, consumption, production, natural resource management, trade, markets, gender roles, armed conflict, and ethics. Social entrepreneurship approach, case studies as well as active participation by students will be used.

**Essential Studies Outcome:** ES10

**Prerequisites:** Junior or above status

**FCS 437 FAMILY STRENGTHS3 Credits**

This is an advanced study in the dynamics of successful family relationships. Investigation into the attributes of vital families which contribute toward the resolution of stressors in meaningful and positive ways. Lecture, discussion, and case study.

**Prerequisites:** Junior or above status

**FCS 440 SPECIAL TOPICS IN FAMILY AND CONSUMER SCIENCES1-6 Credits**

Contemporary concepts and issues in Family and Consumer Sciences as well as attendance and participation in conferences and leadership development opportunities. May be repeated with different emphases for up to six course credits.

**Prerequisites:** Junior or above status

**FCS 447 NUTRITION FOR SPORT & WELLNESS3 Credits**

A study of the nutrients and their relationship to sport and wellness. Special nutritional and training needs of athletes and all individuals who are physically active will be addressed. Major topics include the function and sources of each of the nutrients; fueling for pre-exercise, during exercise and after exercise; specific meal planning, nutrient needs for specific athletes and wellness lifestyles; and more.

**Prerequisites:** Junior or above status

**FCS 448 EARLY CHILDHOOD PRACTICUM3 Credits**

An association and application of principles, theory, philosophy, methodology, structure, function, and operation of programs for young children. The course includes practical application of knowledge base principles and best practice in the development and implementation of daily and weekly unit plans, menus, environmental design and emergent curriculum for coordination of a total program. The course requires practicum time with children in laboratory a qualified early childhood setting.

**FCS 448L EARLY CHILDHOOD PRACTICUM LABORATORY1 Credit**

Practicum field experience in a qualified early childhood environment under the supervision of a highly qualified educator. Additional fees will be assessed.

**Prerequisites:** Junior or above status

**Co-requisites:** FCS 448

**FCS 457 NUTRITION FOR COMMUNITY WELLNESS3 Credits**

An evidence-based study of the science of nutrition and its relationship to improving public health. Focus will be on the campus-community based approach to improving health. Special emphasis will be on the relationship between nutritional epidemiology and research, policies, and programs regarding prevention and treatment as well as lifestyle and hereditary diseases.

**FCS 467 EPIDEMIOLOGY AND GLOBAL HEALTH3 Credits**

This course will provide a comprehensive understanding of sources of population data in terms of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. This course will provide a purposeful and applicable sense of citizenship and civic mindedness by developing a comprehensive understanding of one's personal and social responsibility in the ethical application and advocacy of public health; locally, nationally, and globally. Critical evaluation of medical and public health literature is included.

**Essential Studies Outcome:** ES9