



## SECTION V: Proposed Changes to an Existing Program or Program Policies

Insert here a statement of the exact changes to be made: Delete HESC 425V Food and Nutrition Seminar

Check if either of these boxes apply and provide the necessary signature:

- Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: \_\_\_\_\_
- Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: \_\_\_\_\_

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change in Program Policies

## SECTION VI: Justification

*Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)*

**HESC 425V has been requested to be eliminated from the academic program beginning fall 2014. The course will be removed from the undergraduate plan of study and catalog copy and also needs to be removed from the graduate plan of study and catalog copy. Due to Academy of Nutrition and Dietetics (AND) regulations, the course is no longer needed in the Dietetics and Human Nutrition curriculum.**

## SECTION VII: Catalog Text and Format

*In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.*

**Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:**

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

**For minors, state requirements in terms of hours, required courses, electives, etc.**

**For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.**

**For Law School program/units, prepare text consistent with current catalog style.**

**For centers, prepare text consistent with current catalog style.**

Graduate Catalog  
Human Environmental Sciences  
(HESC)  
Faculty

Laurie Marie McAlister Apple  
, Associate Professor  
Mechelle Bailey  
, Instructor  
Vernoise Guinett Baldwin  
, Instructor  
Lance M. Cheramie  
, Instructor  
Eunjoo Cho  
, Assistant Professor  
Mardel Asbury Crandall  
, Instructor  
Frank L. Farmer  
, Professor  
Rhonda Hammond  
, Assistant Professor  
Robert James Harrington  
, Professor, Twenty-First Century Endowed  
Chair in Hospitality and Restaurant Management  
Jennifer Katherine Henk  
, Assistant Professor  
Jayoung Hwang  
, Assistant Professor  
Timothy Scott Killian  
, Associate Professor  
Cindy Moore  
, Clinical Assistant Professor  
Godwin-Charles A. Ogbeide  
, Associate Professor  
Allen Powell  
, Instructor  
Glenda L. Revelle  
, Associate Professor  
Lona Robertson  
, Professor  
Kathy Smith  
, Assistant Professor  
Cheryl Leigh Southward  
, Associate Professor  
Kelly Ann Way  
, Associate Professor  
Jacquelyn Dee Wiersma  
, Assistant Professor  
George W. Wardlow  
Interim Director  
118 Home Economics Building  
479-575-4305  
E-mail: [wardlow@uark.edu](mailto:wardlow@uark.edu)  
<http://hesc.uark.edu/2668.php>  
Degree Conferred:  
M.S. (HESC)

Areas of Study:

Apparel studies; food, human nutrition and hospitality;  
human development and family sciences; and general human  
environmental sciences.

Prerequisites to Degree Program:

Applicants are expected to have

sufficient undergraduate preparation to be admitted to the program. An admissions committee that is appointed by the Director at the time an application for admission is received determines eligibility for admission to any of the program areas. The admissions committee specifies any deficiencies in admission requirements that must be met by students who are admitted.

Requirements for the Master of Science Degree:

The School of Human

Environmental Sciences requires that at least 50 percent of the course requirements be earned from courses at the 5000 or 6000 level. This degree allows for a thesis and non-thesis option. Students who have research assistantships funded by the Arkansas Agricultural Experiment Station are required to participate in the thesis option. The thesis option is also recommended for students who plan to continue their education beyond the Master of Science degree.

Thesis Option:

The thesis option requires a minimum of 30 semester hours. Of those 30 hours, six semester hours of thesis research are required and at least 12 hours of course work must originate within the area of concentration. Students must also take at least one course each in graduate statistics and research methods.

Non-thesis Option:

The non-thesis option requires a minimum of 33 semester hours of graduate level course work. A minimum of 15 of the semester hours must originate in the student's area of concentration. Students must also take at least one course each in graduate statistics and research methods. Non-thesis track students are required to pass both written and oral comprehensive exams.

HESC Distance Education Master's Degree:

The General Human

Environmental Sciences concentration is the only HESC M.S. degree available through distance education. The sequence of courses for distance education students is dependent upon the time of the student's enrollment and the availability of distance education courses offered by the school.

Courses

HESC 400V. Special Problems (Sp, Su, Fa). 1-6 Hour.

May be repeated for up to 6 hours of degree credit.

HESC 4011. History of Apparel Through Film to 1900 (Sp, Fa). 1 Hour.

This course uses historic costume films to trace the evolution of clothing from ancient Egypt to the Twentieth Century. Emphasis is placed on societal aspects such as politics, religion, economy, technology, education, sports, class structure, and gender roles, and how they affect and change dress. Web-based course.

HESC 4023. Merchandising Application for the Apparel Industry (Sp, Fa). 3 Hours.

Application of merchandising theory, principles and practices in a capstone class. An in depth study of innovative apparel business concepts as applied to manufacturers and retailers of apparel including apparel classification, seasonal cycles, stock emphasis, assortment strategies, target customers, and apparel trends. Includes an overview of marketing communication including advertising, personal selling, and sales promotion. Prerequisite: HESC 3013 and HESC 3033.

HESC 4033. Computer Aided Textile Design (Sp, Fa). 3 Hours.

This course is designed to give students advanced skills in textile design using industry based computer aided design (CAD) software. Lab 4 hours per week. Prerequisite: HESC 2033 and HESC 2053.

HESC 4043. History of Apparel to 1900 (Fa). 3 Hours.

This course traces the evolution of clothing from ancient Egyptian times to the

twentieth century (1900) with emphasis upon Western civilization. Cultural and economic factors affecting dress, adornment and customs associated with dress will be stressed.

HESC 4053. Contemporary Apparel 1900 to Present (Sp). 3 Hours.

The study of contemporary fashion from 1900 to present as a social force including the origin, scope, theory, and history of the fashion business, the materials of fashion, the fashion producers, auxiliary fashion enterprises, designers, fashion leaders, and leading market. Lecture 3 hours per week.

HESC 4063. Advanced Apparel Production (Sp, Fa). 3 Hours.

An advanced study of product development incorporating technology used in the industry for a career in fashion merchandising and/or product development in a computer laboratory environment. Laboratory 6 hours per week. Prerequisite: HESC 3003 and HESC 2063.

HESC 4103. Experimental Foods (Sp). 3 Hours.

Application of experimental methods for investigations in cookery. Group and individual problems. Lecture 2 hours, laboratory 3 hours per week. Prerequisite or Corequisite: AGST 4023 or STAT 2303 or EDFD 2403 or PSYC 2013 and FHNH majors with senior standing only. Corequisite: Lab component. Pre-requisite: HESC 2112 and HESC 2111L and (CHEM 1123 and CHEM 1121L or CHEM 1073 and CHEM 1071L)

HESC 4111. History of Apparel Through Film from 1900 to Present (Sp, Fa). 1 Hour.

This course uses historic costume films to trace the evolution of clothing from 1900 to Present. Emphasis is placed on societal aspects such as politics, religion, economy, technology, education, sports, class structure, and gender roles, and how they affect and change dress. Web based course.

HESC 4213. Advanced Nutrition (Fa). 3 Hours.

Normal nutrition with emphasis on utilization of nutrients. Lecture and reports on current literature 3 hours per week. Prerequisite: CHEM 3813 and HESC 3203.

HESC 4243. Community Nutrition (Sp). 3 Hours.

Identifying, assessing, and developing solutions for nutritional problems encountered at the local, state, federal, and international levels. Lecture 3 hours per week.

Prerequisite: HESC 1213.

**HESC 425V. Food and Nutrition Seminar (Sp). 1-2 Hour.**

**Under the direction of the instructor, each student will select a nutrition topic and will then study the current peer-reviewed literature related to that topic, and prepare and present an individual in-depth present for their class. The presentation should be appropriate for presentation to medical doctors and other health care providers in a post-baccalaureate internship or clinical work setting. The class will meet weekly for students to give their individual presentations. Prerequisite: HESC 3203. May be repeated for up to 2 hours of degree credit.**

HESC 4423. Adult Development (Fa). 3 Hours.

Examine individual development beginning with the transition adulthood through middle age; approximate age ranges are 18-60 years. Content focuses on physical, cognitive, psychological, and social changes that occur throughout this period of the life span. The impact of love, work, and family on men's and women's movement through the transitions that comprise adulthood are emphasized. Prerequisite: HESC 1403 or PSYC 2003 and junior standing.

HESC 4433. Dynamic Family Interaction (Sp). 3 Hours.

Examination of family interaction across the lifespan. Methods for enhancing marriage and family relations will be examined. Sources of marital conflict, intergenerational support and negotiations process will be analyzed. Lecture three hours per week. Prerequisite: HESC 2413 and junior standing.

HESC 4453. Parenting and Family Dynamics (Sp, Fa). 3 Hours.

Focus is on influence of parenting and family dynamics on individual development, especially factors in family life which contribute to normal psychological development. Topics include family values, the psychology of sex and pregnancy,

the transition to parenthood, childbearing techniques, family influences on cognitive and social development, and changes in family relationships during the life cycle.

Prerequisite: HESC 1403 or PSYC 2003 and COMM 1313.

HESC 4463. Administration and Leadership in the Helping Professions (Fa). 3 Hours.

Planning, developing, operating, and evaluating programs in the helping professions, including child care and family-related agencies. Emphasis will be on administrators' roles as leaders in organizations. Topics include facilities, budget, staff development, and policy manuals. Prerequisite: HDFS major and senior standing or permission from instructor.

HESC 4493. Public Policy Advocacy for Children and Families (Fa). 3 Hours.

Public policy advocacy as related to children and family issues. Strategies for advocacy will be emphasized. Lecture three hours per week. Prerequisite: RSOC 2603 or SOCI 2013.

HESC 455V. Special Topics (Irregular). 1-6 Hour.

Topics not covered in other courses, a focused study of specific topics in the students' areas of concentration. May be repeated for up to 6 hours of degree credit

HESC 4633. Hospitality Operations and Financial Analysis (Sp, Fa). 3 Hours.

This course is an in-depth, comprehensive study of hospitality operations, with emphasis on financial statements and other accounting reports that are usually used by management staffs for strategic decision making. It includes the application of computer software and human resource management skills. Corequisite: HESC 3633. Prerequisite: AGECE 2142 and AGECE 2141L or WCOB 1023.

HESC 4753. Family Financial Management (Sp, Fa). 3 Hours.

Economic considerations of the family in a rapidly changing society. Family finance and consumer problems are emphasized.

HESC 4901. Apparel Studies Pre-Study Tour (Sp) (Even years, Fa). 1 Hour.

A study of specific regional and international fashion markets for apparel studies in preparation for HESC 4912 APST Study Tour. The course examines the design, production, distribution and retailing of fashion goods from couture fashion to mass markets. HESC 4901 is content specific to each HESC 4912 study tour and must be repeated for each study tour destination. A grade of "C" or better is required to participate in HESC 4912. Prerequisite: 2.0 minimum GPA. APST majors only and consent. May be repeated for up to 4 hours of degree credit.

HESC 4912. Apparel Studies Study Tour (Su) (Even years, Fa). 2 Hours.

An on-site study of specific regional and international fashion markets for apparel studies. Course further examines the design, production, distribution and retailing of fashion goods from couture fashion to mass markets as outlined in HESC 4901. Course includes study trip; length based upon destination. Additional fees required. Pre- or Corequisite: HESC 4901 (If prerequisite must have "C" or better; if corequisite must have "C" or better at time of trip). Prerequisite: Minimum 2.0 GPA and APST majors only and consent. May be repeated for up to 8 hours of degree credit.

HESC 5003. Apparel Studies in the Global Economy (Even years, Fa). 3 Hours.

Analysis of economic, social and political aspects of the domestic and international textile and apparel industries. Lecture 3 hours.

HESC 5013. Advanced Apparel Pattern Design (Sp). 3 Hours.

Use of computer aided design technology to perform pattern making techniques for apparel production. Laboratory 5 hours per week. Prerequisite: HESC 3003.

HESC 5023. Social, Psychological and Cultural Aspects of Dress (Odd years, Fa). 3 Hours.

Integration of social, psychological and cultural theories as they apply to appearance and clothing behavior. Lecture 3 hours.

HESC 502V. Special Problems Research (Sp, Su, Fa). 1-6 Hour.

HESC 5033. Issues and Trends in Textile Studies (Odd years, Sp). 3 Hours.

Studies of advances in textile science and recent developments in the textile industry. Lecture 3 hours.

HESC 5043. Theories and Practices in Apparel Merchandising (Even years,

Sp). 3 Hours.

Theoretical perspectives, concepts and current practices that influence apparel merchandising. Lecture 3 hours.

HESC 5223. Nutrition During the Life Cycle (Fa). 3 Hours.

Study of normal nutrition emphasizing quantitative needs for nutrients as functions of biologic processes that vary during stages of the life cycle. Nutritive needs during pregnancy and childhood are emphasized with some attention to nourishing aging and elderly adults. Factors that affect food choices and eating behavior are also considered. Lecture 3 hours per week. On campus and web-based delivery is offered. Prerequisite: Graduate standing and consent of instructor.

HESC 522V. Readings in Nutrition (Sp). 1-6 Hour.

Seminar and individual study. Prerequisite: HESC 4213 or HESC 4223 or ANSC 3143)

HESC 5233. Childhood Obesity: Context and Preventions (Su). 3 Hours.

A multidisciplinary course that focuses on the context and prevention of childhood obesity. Directed readings and discussion will center on an ecological approach: identifying the problem(s) and behavioral and environmental factors and their interactions, as well as predisposing, enabling, and reinforcing factors, and action plan(s). The issue is addressed from a multidisciplinary perspective, including economics, marketing, child development, nutrition, and health behavior.

HESC 5263. Medical Nutrition Therapy I (Fa). 3 Hours.

Principles of medical nutrition therapy with emphasis on Nutrition Care Process, and the pathophysiology and current standards of practice for diseases and disorders. Lecture 3 hours per week. Prerequisite: Graduate standing and consent of instructor.

HESC 5273. Medical Nutrition Therapy II (Sp). 3 Hours.

Principles of medical nutrition therapy with emphasis on the Nutrition Care Process, and the pathophysiology and current standards of practice for diseases and disorders. Lecture 3 hours per week. Prerequisite: HESC 5263.

HESC 5403. Advanced Studies in Family Relations (Fa). 3 Hours.

This course examines family relationships in cultural and ethnic contexts. It reviews family theories, current research, and policy issues related to marriage and family in context. The course explores marriage and family relationships across the lifespan.

Prerequisite: Graduate standing.

HESC 5413. Adult Development (Sp). 3 Hours.

The course covers physical, cognitive, social, and personal dimensions of adult development. The information is presented from a lifespan developmental framework which encompasses (a) a multidisciplinary perspective, (b) consideration of the impact of prior development on late life as well as socio-historical influences (c) recognition of individual differences among older persons, and (d) concern for promoting optimal functioning. Prerequisite: Graduate standing.

HESC 5423. Theories of Human Development (Fa). 3 Hours.

Classic and contemporary theories and theoretical issues concerning human development across the life span. Prerequisite: Graduate standing.

HESC 5433. Advanced Studies in Child Development (Sp). 3 Hours.

An in-depth examination of issues in development during infancy, early, and middle childhood. Developmental theory and accomplishments/milestones are studied in the biocultural context. Emphasis is on review and analysis of classic and recent research literature and on evaluation of theoretical perspectives based on research evidence.

HESC 5443. Gerontology (Sp). 3 Hours.

Examines physiological and psychological development of the aging individual, extended family relationships, service networks for older adults, and retirement activities. Some attention given to housing and care needs of persons in advanced years. Lecture 3 hours per week, seminar format. Prerequisite: Graduate standing.

This course is cross-listed with GERO 5443.

HESC 5453. Aging in the Family (Sp). 3 Hours.

This course considers theories and research on personal and family transitions and experiences in mid to late life that impact individuals and their family relationships.

Applied assignments address these same issues. Prerequisite: Graduate standing.

HESC 5463. Research Methodology in Social Sciences (Fa). 3 Hours.

Logical structure and the method of science. Basic elements of research design; observation, measurement, analytic method, interpretation, verification, presentation of results. Applications to research in the economic and sociological problems of agriculture and Human Environmental Sciences. Prerequisite: Graduate standing HESC 5473. Cognitive Health (Odd years, Su). 3 Hours.

Cognitive skills form the foundation for functioning in everyday life and these skills take on added importance in older adulthood. This course focuses on selected theoretical approaches and current research related to cognitive aging. We will review normative and non-normative cognitive changes, assessment techniques, and prevention/intervention efforts. Throughout the course we will keep the role of environment and lifespan implications in the forefront of our discussion. Prerequisite: Graduate standing.

HESC 5483. Creativity and Aging (Su). 3 Hours.

What happens to creativity as a person ages? This unique class will help students to understand developmental and pathological changes in the brain that can lead to changes in creative output over time. Through hands-on experiences and direct association with older adults, students will grow an appreciation for creativity produced and inspired by older people. This course is intended to provide experiences that will help the student to be able to create art programs for older adults. Prerequisite: Graduate standing.

HESC 5493. Environments and Aging (Sp). 3 Hours.

Designing for aging is big business. The older population of the U.S. is increasing in numbers, and lives in more varied kinds of housing, from single family homes to specially designed residential units for people experiencing dementia. This course uses interdisciplinary perspectives in an on-line web-based format to explore the preferences and needs of older adults and the attributes of various physical environments that enhance their lives. Students apply this knowledge to the design and management of housing, institutional facilities, neighborhoods, and communities. Prerequisite: Graduate standing.

HESC 5643. Meetings and Convention Management (Fa). 3 Hours.

Focuses on the planning and management of meetings and conventions in the hospitality industry.

HESC 5653. Global Travel and Tourism Management (Fa). 3 Hours.

The course recounts the history of travel, explores the future, and discusses the components of tourism from a global perspective.

HESC 5663. Critical Issues and Trends in Hospitality and Tourism (Sp). 3 Hours.

The hospitality industry is arguably one of the most important sources of income and foreign exchange and is growing rapidly. However, national and international crises have huge negative economic consequences. This course explores change in the world and applies this to forecasting change in the hospitality and tourism industries. This course examines the current state of the industry and makes educated predictions to the future of the lodging, cruise, restaurant, technology, and travel and tourism industries.

This course is cross-listed with HESC 4663.

HESC 5683. Food and Wine Management, Service and Evaluation (Fa). 3 Hours.

This course provides students with knowledge of the sensory relationship of wine and food and the important role this process has on gastronomic satisfaction and gastronomic tourism. Course topics will include developing and marketing the wine/food tourism product, wine and food pairing as a hierarchical process, gastronomic identity, Old and New World traditions, managing a food and wine program, trends in food and wine, and promoting Arkansas food and wine. Students must be at least 21 years old. Students are required to complete an alcohol compliance education program prior to taking course. Students who may not imbibe for any reason should speak with the instructor about an accommodation and alternative assignments.

Limited to hospitality graduate students only. Prerequisite: Restricted to graduate



students in HESC, must be 21 years old, completion of alcohol compliance education program

HESC 5803. Gender and Aging (Even years, Su). 3 Hours.

This course is designed to expose students to an overview of conceptual and applied issues related to how women age. Instead of focusing exclusively on women, this course will focus on women and men in order to understand the dynamic role of gender for the aging process. Students will be introduced to current theoretical and empirical work on the intersections between gender and aging. Using both life course and lifespan perspectives; biological, social, and behavioral aspects of human development and aging will be examined with respect to gender differences and similarities. Prerequisite: Graduate standing.

HESC 5813. Gerontechnology (Odd years, Sp). 3 Hours.

Population aging is combining with technological advancement to create and change the world of modern older people, their families, and their communities. This course takes an interdisciplinary approach to the understanding of the biological, environmental, and social spheres where technology and gerontology meet. Prerequisite: Graduate standing.

HESC 5823. Mental Health and Aging (Sp). 3 Hours.

This is an advanced level course in Mental Health and Aging. The student will be introduced to the range of issues involved in this subject utilizing several theoretical perspectives within an overall systems framework. The major emotional, mental, and psychiatric problems encountered in old age will be examined along with the normal processes of the aging individual's personality, mental and brain functions. Common interventions and treatments available will be explored, as well as the consequences of no or inappropriate services. Challenges and barriers on the macro and micro systems levels will be presented with implications for the future of this field. Prerequisite: Graduate standing.

HESC 5843. Physical Health and Nutrition in Aging (Fa). 3 Hours.

This course identifies the basic physiological changes during aging and their impacts in health and disease. The focus will be on successful aging with special emphasis on physical activity and nutrition. Practical application to community settings is addressed. Prerequisite: Graduate standing.

HESC 5853. Policy and Aging (Fa). 3 Hours.

This course introduces much of the history behind the policies and programs targeted at aging individuals. Provides overview of the factors that impact economic well-being in late life, as well as an overview of community resources available to older adults. Prerequisite: Graduate standing.

HESC 5873. Seminar in Long Term Care (Odd years, Fa). 3 Hours.

This course provides valuable information to the person interested in a leadership role in long-term care, but is also useful to persons who think their careers might intersect with senior living organizations or for those students who have a potential interest in long-term care options for their own parents or loved ones. The class is designed to benefit from a very successful intercession course taught each December/January intercession by adjunct professor, Steve Shields. Steve had been CEO at Meadowlark Hills Retirement Community from 1994 until 2010. He is nationally known for his ability to motivate change in long-term care settings. Taped lectures and presentations from the intercession course will provide some of the content for this class. Prerequisite: Graduate standing.

HESC 600V. Master's Thesis (Sp, Su, Fa). 1-6 Hour.

HESC 700V. Doctoral Dissertation (Sp, Su, Fa). 1-18 Hour.

Prerequisite: Candidacy.

**SECTION VIII: Action Recorded by Registrar's Office**

PROGRAM INVENTORY/DARS

PGRM \_\_\_\_\_ SUBJ \_\_\_\_\_ CIP \_\_\_\_\_ CRTS \_\_\_\_\_  
DGRE \_\_\_\_\_ PGCT \_\_\_\_\_ OFFC&CRTY VALID \_\_\_\_\_

REPORTING CODES

PROG. DEF. \_\_\_\_\_ REQ. DEF. \_\_\_\_\_  
Initials \_\_\_\_\_ Date \_\_\_\_\_

**Distribution**

Notification to:

- (1) College
- (2) Department
- (3) Admissions
- (4) Institutional Research
- (5) Continuing Education
- (6) Graduate School
- (7) Treasurer
- (8) Undergraduate Program Committee

8/19/13