Human Environmental Sciences (HESC)

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Human Environmental Sciences website (http://human-environmental-sciences.uark.edu/academics/graduate-studies)

Degree Conferred:
M.S.H.E.S. (HESC)

Areas of Study:  Apparel merchandising and product development;  human nutrition and hospitality innovation;  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.

Students should also be aware of Graduate School requirements with regard to master's degrees (http://catalog.uark.edu/graduatecatalog/degreerequirements/#mastersdegreestext).

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 is available for students in any concentration who are pursuing their degree through distance education. Students may take any or all of their courses online. 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.

Students are strongly encouraged to consult with their advisers and the program website for the sequencing and availability of distance education courses offered by the School of Human Environmental Sciences.

Apparel Merchandising and Product Development Courses

AMPD 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.

AMPD 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: AMPD 3033 and AMPD 3043.

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: AMPD 2033 and AMPD 2053.

AMPD 4053. Historic and Contemporary Apparel (Sp, Fa). 3 Hours.
This course traces the evolution of clothing from ancient times to the twentieth century with emphasis upon Western civilization and includes the study of contemporary fashion 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. Cultural and economic factors affecting dress, adornment and customs associated dress will be stressed. The Lecture 3 hours per week. Prerequisite: Junior or senior standing or instructor consent.
AMPD 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. Lecture 6 hours per week. Prerequisite: AMPD 2033, AMPD 2063 and AMPD 3003.

AMPD 4093. Apparel Merchandise Planning and Inventory Control (Sp, Fa). 3 Hours.
Describes today's challenges for both apparel manufacturers and retailers in meeting the consumer's demands for the right products at the right prices - and at the right times. Follows the evolution of the merchandising function with emphasis on production efficiency, highlighting the philosophies of industry executives and the effective integration of the merchandising, store design, marketing, the apparel supply chain and manufacturing functions along the way. Prerequisite: AMPD 3033.

AMPD 4103. Evolution of Fashion and Society Through Television Media (Sp, Fa). 3 Hours.
This course uses television programming from its early beginnings in the 1930s through to the twenty-first century to trace major events, societal changes, and the associated evolution of fashion. The course examines television both as an innovator and diffuser of fashion trends.

AMPD 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.

AMPD 4901. AMPD Pre-Study Tour (Sp, Su). 1 Hour.
A study of specific regional and international fashion markets for apparel studies in preparation for AMPD 491V AMPD Study Tour. The course examines the design, production, distribution and retailing of fashion goods from couture fashion to mass markets. AMPD 4901 is content specific to each AMPD 491V study tour and must be repeated for each study tour destination. A grade of "C" or better is required to participate in AMPD 491V. Prerequisite: 2.0 minimum GPA. AMPD majors with minimum 30 hours, or consent. May be repeated for up to 4 hours of degree credit.

AMPD 491V. AMPD Study Tour (Su). 2-6 Hour.
An on-site study of specific regional and international fashion markets for apparel merchandising and product development. Course further examines the design, production, distribution and retailing of fashion goods from couture fashion to mass markets as outlined in AMPD 4901. Course includes study trip; length based upon destination. Additional fees required. Course will also be offered each August Intersession. Prerequisite: AMPD 4901 (with a C or better), 2.0 min. GPA, AMPD major with min. 30 hours, and instructor consent. Corequisite: AMPD 4901 (with a C or better, if corequisite, must have C or better at time of trip), 2.0 min. GPA, AMPD major with min. 30 hours, and instructor consent. May be repeated for up to 24 hours of degree credit.

AMPD 5003. Apparel Sourcing and Merchandising Systems in the Global Economy (Odd years, Fa). 3 Hours.
Evaluation of key issues facing textiles and apparel supply chain businesses in the global economy considering economic, political, and social perspectives and professional implications. Lecture 3 hours.

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

AMPD 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.

AMPD 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.

AMPD 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.

Hospitality Courses

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. Pre- or Corequisite: AGME 2903 or ISYS 1123 and HOSP 3633. Prerequisite: AGEC 2142 and AGEC 2141L or ACCT 2013.

In-depth comprehensive study, strategic planning and analysis of the manager's role in successful hotel operations including application of human resource management skills. Emphasis will be placed on strategic decision making, operating procedures, budgeting, financial analysis, problem solving skills, and the technical skills necessary for effective hospitality operations.

HOSP 5643. Meetings and Convention Management (Fa). 3 Hours.
Focuses on the planning and management of meetings and conventions in the hospitality industry.

HOSP 5653. Global Travel and Tourism Management (Sp). 3 Hours.
The course recounts the history of travel, explores the future, and discusses the components of tourism from a global perspective.

HOSP 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.

HOSP 5673. Destination Marketing and Operations (Sp). 3 Hours.
This course is designed to provide students with a basic understanding of the tasks and processes involved in running a successful destination management organization (DMO). This course places heavy emphasis on destination marketing. Prerequisite: HOSP 1603.

HOSP 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. Prerequisite: HOSP graduate students only and instructor consent required.
HOSP 5693. Hospitality Management Internship (Sp, Su, Fa). 3 Hours.
Supervised experience in an instructor approved work/learning situation relating to the hospitality industry in multiple aspects of a hospitality organization. Emphasis on application of knowledge and skills to actual job roles and responsibilities. Requires employment in a hospitality setting for a minimum of 250 clock hours. Prerequisite: Instructor consent.

Human Environmental Sciences Courses
HESC 400V. Special Problems (Sp, Su, Fa). 1-6 Hour.
May be repeated for up to 6 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 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 502V. Special Problems Research (Sp, Su, Fa). 1-6 Hour.
Individual study or research for graduates in the field of human environmental sciences.

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 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. This course is cross-listed with AGED 5463.

HESC 555V. Special Topics in Human Environmental Sciences (Irregular). 1-3 Hour.
Topics not covered in other courses or a more intensive study of specific topics in the specializations of human environmental sciences.

HESC 600V. Master's Thesis (Sp, Su, Fa). 1-6 Hour.
Master's Thesis. May be repeated for degree credit.

HESC 700V. Doctoral Dissertation (Sp, Su, Fa). 1-18 Hour.
Doctoral Dissertation. Prerequisite: Candidacy. May be repeated for degree credit.

Nutrition Courses
NUTR 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. Prereq. or Corequisite: AGST 4023 or STAT 2303 or EDFD 2403 or PSYC 2013 and FHNH or HNHI majors with senior standing only. Corequisite: Lab component. Prerequisite: NUTR 2112 and NUTR 2111L and (CHEM 1123 and CHEM 1121L or CHEM 1073 and CHEM 1071L).

NUTR 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: NUTR 1213.

NUTR 521V. Readings in Nutrition (Irregular). 1-6 Hour.
Seminar and individual study. Prerequisite: Instructor consent.

NUTR 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.

NUTR 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.

NUTR 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: NUTR 5263.