

# College of Human Sciences

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SUSAN S. HUBBARD, *Dean*

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The College of Human Sciences is a diverse, engaging learning environment where we produce tomorrow's leaders through education of the highest quality and a commitment to helping students make positive impacts on the world around us. We teach the art and science of design, food, nutrition, hospitality and relationships in a classroom that spans the globe. We discover sustainable solutions to everyday problems, ignite creativity across disciplines and support our students by building the confidence and skills they need to change the world.

Founded on a belief in science for a quality life, Human Sciences' programs enable students to positively impact the health and well-being of individuals, families, and consumers. Beyond technical preparation, our graduates possess a broad worldview, a diverse understanding of the world in which they live and work, and a commitment to building a better world - one life at a time.

The College of Human Sciences includes the departments of Consumer and Design Sciences, the Horst Schulze School of Hospitality Management, Human Development and Family Science, and Nutritional Sciences. Programs of study leading to the bachelor of science degree can be planned within seven curricula in the College of Human Sciences. These curricula are designed with flexibility to meet the needs of students with a variety of academic interests and goals. Program-specific accreditations/approvals/endorsements/certifications have been attained for several programs.

## Transfer Requirements

To transfer into the College of Human Sciences, a student must be eligible to take classes and pursue an Auburn degree. However, students need to be aware of GPA restrictions and other progression requirements as well as admission requirements for individual degree programs.

## Graduation Requirements

To earn the bachelor's degree from the College of Human Sciences, students must complete the hours and subject matter requirements of their curricula and must have a minimum grade-point average of 2.0 on all course work attempted at Auburn University, and in addition, a 2.0 cumulative grade-point average on all work attempted in the major.

## Options in Cooperative Extension

Students enrolled in any of the majors in the college may prepare for a career in the Cooperative Extension System through election of certain courses as electives. Majors may fulfill the requirements of the Alabama Cooperative Extension System through scheduling of the following courses:

Code	Title	Hours
NTRI 2000	Nutrition And Health	3
HDFS 4670	Parent Education	3
NTRI 3560	Experimental Study of Foods	4
Select one of the following:		3-4
CADS 2400	Interior Material & Components	3
CADS 2750	Product Dev Technical Design	4
CADS 2600	Textiles	3

## Graduate Work

The college offers work leading to the master of science degree and PhD degree in consumer and design sciences, human development and family science, nutrition, and hospitality management.

## Majors

- Apparel Merchandising, Design and Production Management — Apparel Merchandising Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/apparelmerchandisingoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/apparelmerchandisingoption_major/))

- Apparel Merchandising, Design and Production Management — Apparel Design and Production Management Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/productdesignandproductionmanagementoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/productdesignandproductionmanagementoption_major/))
- Global Studies in Human Sciences ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/deansoffice/globalstudiesinhumansciences\\_program/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/deansoffice/globalstudiesinhumansciences_program/))
- Hospitality Management — Culinary Science Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement\\_culinaryscienceoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement_culinaryscienceoption_major/))
- Hospitality Management — Event Management Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement\\_eventmanagementoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement_eventmanagementoption_major/))
- Hospitality Management — Hotel and Restaurant Management Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement\\_hotelandrestaurantmanagementoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/schoolofhospitalitymanagement/hospitalitymanagement_hotelandrestaurantmanagementoption_major/))
- Human Development and Family Science ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudies\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudies_major/))
- Human Development and Family Science — Child Life Option (<http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudiesoptioninchildlife.html>)
- Human Development and Family Science — Early Child Development Option (<http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudiesoptioninearlychilddevelopment.html>)
- Interior Design ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/interiordesign\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/interiordesign_major/))
- Nutrition — Nutrition/Dietetics Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/nutritiondieteticsoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/nutritiondieteticsoption_major/))
- Nutrition — Nutrition Science Option (pre-professional) ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/nutritionscienceoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/nutritionscienceoption_major/))
- Nutrition — Nutrition Wellness Option ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/wellnessoption\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofnutritionalsciences/wellnessoption_major/))
- Philanthropy and Non-Profit Studies ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/philanthropy\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/philanthropy_major/))

## Minors

- Health and Human Development ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/health-and-human-development\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/health-and-human-development_minor/))
- Human Development and Family Science ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudies\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofhumandevlopmentandfamilystudies/humandevlopmentandfamilystudies_minor/))
- Hunger Studies ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/hungerstudies\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/hungerstudies_minor/))
- International Minor in Human Sciences ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/international\\_humsci\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/international_humsci_minor/))
- Philanthropy and Nonprofit Studies ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/philanthropyandnonprofitstudies\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/philanthropyandnonprofitstudies_minor/))

## Undergraduate Certificates

- Health Equity Science ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/healthequityscience\\_ucrt/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/minors/healthequityscience_ucrt/))
- Financial Planning ([http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/financialplanning\\_ucrt/](http://bulletin.auburn.edu/undergraduate/collegeofhumansciences/departmentofconsumeranddesignsciences/financialplanning_ucrt/))

## Graduate Programs

- Brewing Science and Operations — Graduate Certificate, MS ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/brewingscienceoperations\\_ms\\_gcrt/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/brewingscienceoperations_ms_gcrt/))
- Child Life — MS ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/childlife\\_ms/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/childlife_ms/))
- Consumer and Design Science — MS, PhD ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/consumeranddesignscience\\_ms\\_phd\\_major/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/consumeranddesignscience_ms_phd_major/))
- Development Practice — MDP ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/developmentpractice\\_mdp/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/developmentpractice_mdp/))

- Health Equity Science — Graduate Certificate ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/healthequityscience\\_gcrt/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/healthequityscience_gcrt/))
- Hospitality Management — MS, PhD ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/hospitalityphdms\\_major/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/hospitalityphdms_major/))
- Human Development and Family Science — Graduate Certificate, MS, PhD ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/humandevlopmentandfamilystudiesmsphd\\_major/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/humandevlopmentandfamilystudiesmsphd_major/))
- Nutrition — MS, PhD ([http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/nutritionmsphd\\_major/](http://bulletin.auburn.edu/thegraduateschool/graduatedegreesoffered/nutritionmsphd_major/))

## Consumer and Design Sciences Courses

**CADS 1000 INTRODUCTION TO INTERIOR DESIGN (3)** LEC. 3. Introduces theories of human behavior, physiology, and psychology; elements and principles of design; architectural form, space, and order; codes and regulations; profession of interior design.

**CADS 1100 INTERIOR DESIGN STUDIO: DESIGN PRINCIPLES (3)** LST/STU. 3. Pr. P/C CADS 1000. INDS (interior design) or INDX (pre-interior design) majors only. Fundamental principles of allied art and design disciplines. Two-dimensional and three-dimensional design projects, critical and creative thinking, application of color theory, composition, perspective, and craftsmanship.

**CADS 1600 TEXTILE INDUSTRIAL COMPLEX (3)** LEC. 3. Introduction to the composition, characteristics, and products of the network of fiber producers, textile manufacturers, dyers, finishers, apparel manufacturers, and retailers.

**CADS 1700 GIVING AND SHARING (3)** LEC. 3. Exploration of traditions of American philanthropy including a service-learning component. Students reflect on their giving experiences and apply philanthropic traditions to their own lives, service experiences, educational and professional goals, and visions for a better world.

**CADS 1740 AESTHETICS FOR FASHION (3)** LEC. 3. Elements and principles of design and their application in industries such as textiles, apparel, and retail.

**CADS 2000 GLOBAL CONSUMER CULTURE (3)** LEC. 3. Sustainability and social responsibility provide a framework for the study of cultural, commercial, and aesthetic factors influencing the selection and usage of consumer products and services that create and express social identity. Credit will only be given for CADS 2000 or CADS 2007.

**CADS 2007 HONORS GLOBAL CONSUMER CULTURE (3)** LEC. 3. Pr. Honors College. Sustainability and social responsibility provide a framework for the study of cultural, commercial, and aesthetic factors influencing the selection and usage of consumer products and services that create and express social identity. Credit will only be given for CADS 2000 or CADS 2007.

**CADS 2040 CONSUMER FINANCIAL PLANNING (3)** LEC. 2.5. Use of budgeting, credit, savings, investments, and retirement and estate planning to secure individual and family financial success using. Promote understanding and application of fundamentals of insurance, taxation, and personal finance tools.

**CADS 2100 INTERIOR DESIGN STUDIO: SPACE PLANNING AND PROCESS (4)** LEC/STU. 6. Coreq. CADS 2150. INDS (interior design) majors only, or with departmental approval. Introduction to the formal design process from concept through design development.

**CADS 2150 PROJECT MANAGEMENT FOR INTERIOR DESIGNERS (1)** LEC. 1. Coreq. CADS 2100. INDS (interior design) majors only, or with departmental approval. Principles of project management, disciplinary collaboration, and professional conduct within the context of the interior design studio workplace.

**CADS 2200 INTERIOR DESIGN STUDIO: COMPUTER-AIDED DESIGN (3)** LST. 6. INDS (interior design) majors only, or with departmental approval. Application of computer-aided design software, with a focus on developing construction drawings and documentation for interior spaces.

**CADS 2300 HISTORY OF INTERIOR DESIGN I (3)** LEC. 3. INDS (interior design) or INDX (pre-interior design) majors only, or with departmental approval. Historical survey of interior design and the decorative arts from antiquity through the mid-1800s.

**CADS 2350 HISTORY OF INTERIOR DESIGN II (3)** LEC. 3. Pr. CADS 2300. INDS (interior design) majors only, or with departmental approval. Historical survey of interior design and the decorative arts from the Industrial Revolution through present day.

**CADS 2400 INTERIOR MATERIALS AND COMPONENTS (3)** LEC. 3. Pr. CADS 1000 and CADS 1100. INDS (interior design) majors only, or with departmental approval. Introduction to interior surface finishes, textiles, materials, and components.

**CADS 2500 INTERIOR DESIGN STUDIO: DESIGN COMMUNICATION (3)** STU. 6. INDS (interior design) majors only, or with departmental approval. Development of design communication media and techniques.

**CADS 2550 LIGHTING, MECHANICAL, AND ENVIRONMENTAL SYSTEMS (3)** LST. Departmental approval. Introduction to the fundamentals of lighting, mechanical, electrical, and plumbing systems within the interior environment. INDS (interior design) majors only, or with

**CADS 2600 TEXTILES (3)** LEC. 3. Pr. CADS 1600. Natural and man-made fibers, yarns, fabrics, dyes and finishes for textiles for apparel and related products. AMDP major.

**CADS 2700 INTRODUCTION TO NONPROFIT ORGANIZATIONS (3)** LEC. 3. Introduction to mission, structure, and impact of nonprofit organizations at the local, state, national and international levels.

**CADS 2740 ILLUSTRATION TECHNIQUES FOR APPAREL (3)** LEC. 1. LAB. 4. Pr. CADS 1740 and CADS 1600. Creative approach to illustrating apparel through the use of varied media and development of illustrative style appropriate for portfolio presentations. APDP Major.

**CADS 2750 PRODUCT DEVELOPMENT: TECHNICAL DESIGN (4)** LEC. 2, LST. 4. Pr. CADS 2740 and CADS 2800. Apparel pattern development through drafting, flat pattern manipulation and draping; custom apparel production. APDP Major.

**CADS 2760 VISUAL MERCHANDISING (4)** LST. 6. Pr. CADS 1600 or CAHS 1600. History, equipment, application, and theory of display techniques in store and non-store settings.

**CADS 2770 COMPUTER-AIDED DESIGN FOR APPAREL (4)** LEC. 2, LST. 4. Pr. CADS 1600 and CADS 2740. Principles of aesthetics applied to apparel product development including computer aided design and other presentation techniques.

**CADS 2800 APPAREL PRODUCTION MANAGEMENT (4)** LEC. 3. LAB. 3. Pr. CADS 1600. Introduction to apparel industry terminology, technology, production methods, and engineering quality into apparel products.

**CADS 3100 LIGHTING DESIGN/ENVIRONMENTAL SYSTEMS (4)** LEC. 4. Pr. CADS 2200 and CADS 2400 and CADS 2500. Application of principles and processes of lighting, mechanical, and environmental systems to interior design.

**CADS 3150 PROFESSIONAL DEVELOPMENT FOR APPAREL MERCHANDISING CAREER (1)** LEC. 1. Pr. CADS 1600 and CADS 2800. Investigation of apparel merchandising careers and professional skill development.

**CADS 3200 INTERIOR DESIGN STUDIO: RESIDENTIAL (4)** LEC. 1, LEC. 6. Pr. CADS 2200 and CADS 2100. Departmental approval. Development of residential interior design solutions with emphasis on programming and space planning. INDS (interior design) majors only.

**CADS 3300 INNOVATION IN RETAIL AND CONSUMER EXPERIENCES FOR APPAREL (1)** SEM. 1. A seminar on technology and innovations in the retail industry and their impact on apparel consumer experiences and business processes.

**CADS 3500 INTERIOR DESIGN PROFESSIONAL PRACTICE (3)** LEC. 3. Pr. CADS 3100 and CADS 3200. Exploration of the interior design profession and standard practices.

**CADS 3700 GENDER, WEALTH & PHILANTHROPY (3)** LEC. 3. Study of wealth and philanthropic theories, principles, and applications as it applies in gender. May count CADS 3700 or CADS 3707.

**CADS 3707 HONORS GENDER, WEALTH AND PHILANTHROPY (3)** LEC. 3. Pr. Honors College. Study of wealth and philanthropic theories, principles, and applications as it applies in gender. May count CADS 3700 or CADS 3707.

**CADS 3750 PRODUCT DEVELOPMENT: APPAREL DESIGN (4)** LEC. 2, LST. 4. Pr. CADS 2750 and CADS 2800 and CADS 2770. Advanced design techniques, including couture production; portfolio and internship planning. ADMP major.

**CADS 3780 GRANTMAKING FOR PHILANTHROPISTS (3)** LEC. 3. Introduction to philanthropic grantmaking institutions including mission development, needs assessment, proposal analysis, and site visits. Incorporates student philanthropy via development of grant-making strategies and best practices in individual giving.

**CADS 3800 CONSUMER DECISION MAKING FOR APPAREL AND FASHION PRODUCTS (3)** LEC. 3. Pr. CADS 2000 or CADS 2003 or CADS 2007. Analysis of consumer decision making for apparel and fashion products and the factors that impact consumer decisions. AMDP major.

**CADS 3810 SOCIAL MEDIA MANAGEMENT FOR APPAREL (3)** LEC. 3. Pr. CADS 1600. Topics in social media management and application of merchandising strategies for apparel businesses.

**CADS 3850 MERCHANDISE PLANNING AND CONTROL (3)** LEC. 2. LAB. 2. Pr. (COMP 1000 or COMP 1003) and CADS 1600 and (ACCT 2810 or ACCT 2813) or Departmental approval. Application of principles of merchandise management and retail buying to the retailing of consumer goods and services.

**CADS 3900 DIRECTED STUDIES (1-3)** AAB/IND. SU. Departmental approval. Directed readings and/or individualized research project. Course may be repeated for a maximum of 6 credit hours.

**CADS 3920 INDUSTRY EXPERIENCE (3)** INT. 3. Pr. CADS 1600. Departmental approval. Supervised industry experience requiring students to spend time working in the industry under supervision. Course may be repeated for a maximum of 6 credit hours.

**CADS 3940 STUDY TRAVEL IN CONSUMER AND DESIGN SCIENCES (1-3)** AAB/FLD. Departmental approval. Concentrated study in the U.S. or abroad. Course may be repeated for a maximum of 6 credit hours.

**CADS 3970 SPECIAL TOPICS (1-4)** LEC. Courses may be repeated for 9 hours. Departmental approval. Standing grade. Course may be repeated for a maximum of 9 credit hours.

**CADS 4040 ESTATE PLANNING & PHILANTHROPY (3)** LEC. 3. Pr. CADS 2040. CADS 4040 Estate Planning & Philanthropy (3). LEC. 3. Introduction to estate planning concepts and philanthropy strategies for preservation and transfer of family wealth and reflecting family financial and philanthropic goals. Includes legal, tax, financial, and non-financial factors and components.

**CADS 4050 CONSUMER TAX PLANNING (3)** LEC. 3. Pr. CADS 2040. Study of the impacts of taxation, including the federal income tax, on decisions made by individuals and families throughout the life cycle. Apply economic, legal, and management principles to the family tax planning process.

**CADS 4060 RETIREMENT & BENEFITS PLANNING (3)** LEC. 3. Pr. CADS 2040. CADS 4060 Retirement & Benefits Planning (3) LEC. 3. Introduction to retirement planning concepts, processes and issues, with attention to designing retirement strategies to meet diverse client needs.

**CADS 4100 PHILANTHROPY & NONPROFIT STUDIES LECTURE SERIES (1)** LEC. 1. Pr. (CADS 2700 or CADS 2703) and (CADS 3700 or CADS 3703 or CADS 3707). Lecture series showcasing philanthropic and nonprofit leaders. Course may be repeated for a maximum of 2 credit hours.

**CADS 4200 INTERIOR DESIGN SENIOR SEMINAR (1)** LEC. 1. Pr. CADS 3200. INDS (interior design) majors only, or with departmental approval. Preparation for professional NCDIQ exam, with emphasis on IDFX fundamentals knowledge. Overview of content, test structure, and progress toward licensure. Review of requirements for practice across a variety of jurisdictions. Examination of the current job market and strategic planning for the first two years of professional practice.

**CADS 4700 PORTFOLIO DEVELOPMENT FOR PHILANTHROPY AND NONPROFIT STUDIES (3)** LEC. 3. Pr. CADS 2700 and CADS 2040 and CADS 3780. Portfolio development in print, digital, and web formats for students in Philanthropy and Nonprofit Studies.

**CADS 4740 CONSUMER FINANCIAL MANAGEMENT APPLICATIONS (3)** LEC. 3. Pr. CADS 4040 and CADS 4050 and CADS 4060 and FINC 3200 and FINC 3640. CADS 4740 Consumer Financial Management Applications (3) LEC. 3. Capstone consumer financial planning applying comprehensive planning concepts, processes and issues to development of a complete family financial plan.

**CADS 4750 PRODUCT DEVELOPMENT: SPECIALIZED DESIGN (3)** STU. 6. Pr. CADS 3750. Specialized design development concepts, techniques, and applications for target markets including children's wear, performance wear, and bridal markets.

**CADS 4800 APPAREL ENGINEERING (4)** LEC. 3. LAB. 3. Pr. CADS 2800. Coreq. CADS 3750. Planning and problem solving throughout the apparel production process, including methods engineering, time study, costing, CAD. AMDP major.

**CADS 4850 ADVANCED EXCEL FOR MERCHANDISING DATA ANALYTICS (3)** LEC. 3. LAB. 0. Pr. P/C CADS 3850 or P/C CADS 3853. Advanced techniques of Microsoft Excel for data analytics in merchandising and retail decision making.

**CADS 4900 UNDERGRADUATE TEACHING ASSISTANT EXPERIENCE (1-3)** LEC/LST. Student must have previously earned an "A" in the course s/he is assisting with. Departmental approval. Student participation as an undergraduate teaching assistant (UTA) for the Consumer and Design Sciences course under the supervision of a faculty member. Course may be repeated for a maximum of 6 credit hours.



**CADS 4910 PRACTICUM IN PHILANTHROPY AND NONPROFIT ORGANIZATIONS (3)** PRA. 3. Pr. (CADS 2700 or CADS 2703) and (CADS 3700 or CADS 3703 or CADS 3707). Departmental approval. Supervised practicum experience with a philanthropic or nonprofit organization.

**CADS 4920 PHILANTHROPY AND NONPROFIT STUDIES INTERNSHIP (9)** INT. Pr. CADS 3780 or CADS 4040. Departmental approval. Supervised 10 week professional internship. Departmental approval needed. 2.0 GPA. Junior standing.

**CADS 4930 APPAREL MERCHANDISING, DESIGN AND PRODUCTION MANAGEMENT INTERNSHIP (9)** INT. Pr. CADS 3850 or CADS 3750 or CADS 3853. Departmental approval. Supervised 10 week professional internship. 2.0 GPA. Junior standing.

**CADS 4950 INTERIOR DESIGN INTERNSHIP (9)** INT. Pr. CADS 5100. Departmental approval. Supervised 10 week professional internship. 2.0 GPA. Junior standing.

**CADS 4960 SPECIAL PROBLEMS IN DESIGN (1-4)** LEC. Departmental approval. A) Apparel, B) Interior Design, C) Visual Merchandising, D) Textile Design. Creative solution of design problems. Course may be repeated for a maximum of 9 credit hours.

**CADS 4967 HONORS SPECIAL PROBLEMS (1-3)** IND. SU. Pr. Honors College. Departmental approval. Readings in specialized topics. Course may be repeated for a maximum of 6 credit hours.

**CADS 4980 UNDERGRADUATE RESEARCH IN CONSUMER AND DESIGN SCIENCES (1-3)** IND/LEC. SU. Pr. 3.50 GPA. Departmental approval. Participation as an undergraduate research assistant (URA) for a Consumer and Design Sciences research project under the supervision of a CADS faculty member. Course may be repeated for a maximum of 6 credit hours.

**CADS 4997 HONORS THESIS (3)** IND. 3. SU. Pr. Honors College. CADS 4967. Departmental approval. Research in specialized topics.

**CADS 5100 INTERIOR DESIGN STUDIO: COMMERCIAL (4)** LEC/STU. 6. Pr. CADS 3200 and CADS 2550 and CADS 2400. INDS (interior design) majors only, or with departmental approval. Development of commercial interior design solutions with emphasis on contemporary issues in workplace design.

**CADS 5150 GLOBAL ISSUES IN INTERIOR DESIGN (3)** LEC. 6. INDS (interior design) majors only or with Departmental approval. Explores the impact of designed products, places, and processes within the interior environment on global health and quality of life.

**CADS 5200 INTERIOR DESIGN PORTFOLIO (3)** LEC. 3. Pr. CADS 2100 and CADS 2200. INDS (interior design) majors only, Development of a professional interior design portfolio and collateral documentation.

**CADS 5300 INTERIOR DESIGN STUDIO: HOSPITALITY (4)** LEC/STU. 6. Pr. CADS 5100. INDS (interior design) majors only, or with departmental approval. Development of hospitality design solutions with emphasis on industry trends and practice-based approaches. May count either CADS 5300 or CADS 6300.

**CADS 5310 SUSTAINABLE DESIGN AND LEED ACCREDITATION (3)** LEC. 3. Sustainable certification standards and professional accreditation requirements related to sustainability. May count either CADS 5310 or CADS 6310.

**CADS 5350 INTERIOR DESIGN STUDIO: ADVANCED DESIGN PROJECT (4)** LEC. 1, LST/STU. 6. Pr. CADS 5100. INDS (interior design) majors only, or with departmental approval. Response to a complex interior design challenge through application of design process, resulting in an advanced solution informed by pre-design research. May count for either CADS 5350 or 6350.

**CADS 5400 INTERIOR DESIGN STUDIO: DESIGN FOR HEALTH AND WELLNESS (4)** LEC/STU. 6. Pr. CADS 5100. INDS (interior design) majors only or with departmental approval. Development of interior design solutions for health, wellness, and quality of life. May count either CADS 5400 or 6400.

**CADS 5450 HISTORY OF COSTUME (3)** LEC. 3. Pr., Core History or departmental approval. AMDP major. Historical roles of dress in western civilization. Cultural, social, and physical evolution. Credit will not be given for both CADS 5450 and CADS 6450.

**CADS 5460 FASHION INDUSTRY SINCE 1910 (3)** LEC. 3. P/C; Core History, Core Literature or departmental approval. Fashion history, designers and businesses from 1910 to the present. May count either CADS 5460 or CADS 6460.

**CADS 5500 APPAREL MERCHANDISING PORTFOLIO (2)** LEC. 2. Pr. (CADS 3850 or CADS 3853) and P/C CADS 3150. Portfolio Development in print and digital formats for merchandising students. Departmental approval may be needed.

**CADS 5510 DIGITAL RETAILING FOR APPAREL (3)** LEC. 3. Pr. CADS 3850 or CADS 3853. Application of various digital retailing and merchandising concepts and strategies for apparel businesses.

**CADS 5600 GLOBAL SOURCING IN TEXTILES AND APPAREL (3)** LEC. 3. Pr. (ECON 2020 or ECON 2023 or ECON 2027) and (AFRI 2000 or ANTH 1000 or ANTH 1003 or ANTH 1007 or COUN 2000 or ECON 2030 or ECON 2033 or ECON 2037 or GEOG 1010 or GEOG 1013 or GEOG 1017 or GSHS 2000 or NATR 2050 or POLI 1050 or POLI 1057 or POLI 1090 or POLI 1093 or POLI 1097 or PSYC 2010 or PSYC 2013 or PSYC 2017 or SOCY 1000 or SOCY 1003 or SOCY 1007 or SOCY 1100 or JUST 2000 or UNIV 2720 or UNIV 2727) or Departmental approval. The role of fiber, textile, and apparel industries in the international economy. AMDP major.

**CADS 5610 GLOBAL RETAILING STRATEGIES FOR TEXTILE AND APPAREL PRODUCTS (3)** LEC. 3. Pr. (CADS 2000 or CADS 2003 or CADS 2007) and (CADS 3850 or CADS 3853). Strategies for successful global business expansion for textile and apparel retailers. Credit granted for only one of: CADS 5610, CADS 6610, MKTG 4330.

**CADS 5700 ENTREPRENEURSHIP IN APPAREL AND INTERIORS (3)** LEC. 3. Departmental approval. Analyzing business opportunities in textiles, apparel, and interiors; developing marketing concepts and entrance strategies. Credit will not be given for both CADS 5700 and CADS 6700.

**CADS 5730 HISTORY OF TEXTILES (3)** LEC. 3. Pr., Core History or departmental approval. Cultural, economic, material, technological, and aesthetic perspectives on the evolution of textiles. Credit will not be given for both CADS 5730 and CADS 6730.

**CADS 5750 APPAREL LINE DEVELOPMENT (4)** LEC. 2. LAB. 6. Pr. CADS 3750 and CADS 4800. Team driven design, production, and market research. Development of apparel lines. Credit will not be given for both CADS 5750 and CADS 6750.

**CADS 5760 FASHION ANALYSIS AND FORECASTING (3)** LEC. 3. Pr. CADS 1600 and (CADS 1740 or CADS 2760). Theories explaining fashion dynamics and techniques for forecasting change, with case applications in textiles, apparel, and retailing. Credit will not be given for both CADS 5760 and CADS 6760. AMDP major.

**CADS 5770 PORTFOLIO DEVELOPMENT FOR APPAREL DESIGN (4)** LST. 4. Pr. P/C CADS 3750 and P/C CADS 4800. Survey of advanced techniques in design presentation including computer-aided design and graphics software. Portfolio development in print, digital, and web formats for apparel design students.

**CADS 5780 INTERNATIONAL PHILANTHROPY (3)** LEC. 3. Introduction to the role of international philanthropy in addressing global poverty and how philanthropic practices and behaviors are embedded in cultural contexts. Explores best practices in cross-border philanthropy and volunteering, supporting the development of cross-cultural competencies.

**CADS 5850 APPAREL MERCHANDISING AND RETAIL MANAGEMENT (4)** LEC. 3. LAB. 2. Pr. CADS 3850 or CADS 3853. Problem-solving and decision making strategies for retailing apparel, textiles, and other consumer products. Credit will not be given for both CADS 5850 and CADS 6850. AMDP major.

**CADS 5860 ADVANCED RETAIL BUYING (3)** LEC. 2. LAB. 1. Pr. CADS 5850. Departmental approval. Planning, executing and evaluating retail buying to maximize ROI. Credit will not be given for both CADS 5860 and CADS 6860.

**CADS 6100 INTERIOR DESIGN STUDIO: COMMERCIAL (4)** LEC/STU. 6. INDS (interior design) majors only, or with departmental approval. Development of commercial interior design solutions with an emphasis on contemporary issues in workplace design. May count for either CADS 5100 or 6100.

**CADS 6150 GLOBAL ISSUES IN INTERIOR DESIGN (3)** LEC. 3. CADS graduate students only, or with departmental approval. Explores the impact of designed products, places, and processes within the interior environment on global health and quality of life.

**CADS 6200 INTERIOR DESIGN PORTFOLIO (3)** LEC. 3. CADS graduate students only, or with departmental approval. Development of a professional interior design portfolio and collateral documentation.

**CADS 6300 INTERIOR DESIGN STUDIO: HOSPITALITY (4)** LEC/STU. 6. CADS graduate students only, or with departmental approval. Development of hospitality design solution with emphasis on industry trends and practice-based approaches.

**CADS 6310 SUSTAINABLE DESIGN AND LEED ACCREDITATION (3)** LEC. 3. Sustainable certification standards and professional accreditation requirements related to sustainability. May count either CADS 5310 or CADS 6310.

**CADS 6350 INTERIOR DESIGN STUDIO: ADVANCED DESIGN PROJECT (4)** LEC/STU. 6. CADS graduate students only, or with departmental approval. Response to a complex interior design challenge through application of design process, resulting in an advanced solution informed by pre-design research. May count for either CADS 5350 or 6350.

**CADS 6400 INTERIOR DESIGN STUDIO: DESIGN FOR HEALTH AND WELLNESS (4)** LEC/STU. 6. Development of interior design solutions for health, wellness, and quality of life. Graduate standing; departmental approval needed.

**CADS 6450 HISTORY OF COSTUME (3)** LEC. 3. Historical roles of dress in western civilization. Cultural, social, and physical evolution. Credit will not be given for both CADS 6450 and CADS 5450. Departmental approval. Graduate standing.

**CADS 6460 FASHION INDUSTRY SINCE 1910 (3)** LEC. 3. Departmental approval. Fashion history, designers and businesses from 1910 to the present. May count either CADS 5460 or CADS 6460. Graduate standing.

**CADS 6500 APPAREL MERCHANDISING PORTFOLIO (2)** LEC. 2. Pr. CADS 5850 or CADS 5860. Portfolio development in print and digital formats for merchandising students.

**CADS 6510 DIGITAL RETAILING FOR APPAREL (3)** LEC. 3. Application of various digital retailing and merchandising concepts and strategies for apparel businesses. Graduate standing or departmental approval needed.

**CADS 6600 GLOBAL SOURCING IN TEXTILES AND APPAREL (3)** LEC. 3. Departmental approval. The role of fiber, textile, and apparel industries in the international economy. Credit will not be given for both CADS 5600 and CADS 6600. Graduate standing.

**CADS 6610 GLOBAL RETAILING STRATEGIES FOR TEXTILE AND APPAREL PRODUCTS (3)** LEC. 3. Strategies for successful global business expansion for textile and apparel retailers. Credit given for only one of: CADS 5610, CADS 6610, MKTG 4330. Departmental approval.

**CADS 6700 ENTREPRENEURSHIP IN APPAREL AND INTERIORS (3)** LEC. 3. Departmental approval. Analyzing business opportunities in textiles, apparel, and interiors; developing marketing concepts and entrance strategies. Credit will not be given for both CADS 5700 and CADS 6700.

**CADS 6730 HISTORY OF TEXTILES (3)** LEC. 3. Departmental approval. Cultural, economic, material, technological, and aesthetic perspectives on the evolution of textiles. Credit will not be given for both CADS 5730 and CADS 6730.

**CADS 6750 APPAREL LINE DEVELOPMENT (4)** LEC. 2. LAB. 6. Team-driven design, production, and market research. Development of apparel lines. Credit will not be given for both CADS 5750 and CADS 6750. Departmental approval. Graduate standing.

**CADS 6760 FASHION ANALYSIS AND FORECASTING (3)** LEC. 3. Departmental approval. Theories explaining fashion dynamics and techniques for forecasting change with case applications in textiles, apparel, and retailing. Credit will not be given for both CADS 6760 and CADS 5760.

**CADS 6770 PORTFOLIO DEVELOPMENT FOR APPAREL DESIGN (4)** LST. 4. Survey of advanced techniques in design presentation including computer-aided design and graphics software. Portfolio development in print, digital and web formats for an apparel design focus. Departmental approval needed. May count either CADS 5770 or CADS 6770.

**CADS 6780 INTERNATIONAL PHILANTHROPY (3)** LEC. 2.5. Introduction to the role of international philanthropy in addressing global poverty and how philanthropic practices and behaviors are embedded in cultural contexts. Explores best practices in cross-border philanthropy and volunteering, supporting the development of cross-cultural competencies.

**CADS 6850 APPAREL MERCHANDISING AND RETAIL MANAGEMENT (4)** LEC. 3. LAB. 2. Departmental approval. Problem-solving and decision making strategies for retailing, apparel, textiles, and other consumer products. Credit will not be given for both CADS 6850 and CADS 5850.

**CADS 6860 ADVANCED RETAIL BUYING (3)** LEC. 2. LAB. 1. Departmental approval. Planning, executing and evaluating retail buying to maximize ROI. Credit will not be given for both CADS 5860 and CADS 6860.

**CADS 7040 PROTOCOL FOR GRADUATE STUDY (1)** LEC. 1. SU. Departmental approval. Introduction to policies, practices, and expectations for successful completion of the graduate degree.

**CADS 7050 RESEARCH METHODS IN CONSUMER AND DESIGN SCIENCES (3)** LEC. 3. Pr. CADS 7060. Research and investigation methods appropriate to the study of consumer and design sciences.

**CADS 7060 SURVEY OF CONSUMER AND DESIGN SCIENCES RESEARCH (3)** LEC. 3. Presentation and discussion of a broad array of research topics to support literature review development.

**CADS 7100 ENVIRONMENTAL DESIGN THEORIES AND APPLICATIONS (3)** LEC. 3. Theories, methodologies, and current issues relevant to interior design; sociological, psychological, ecological, and post-modern perspectives. Departmental approval for Pre-requisites.



**CADS 7200 AESTHETICS THEORY IN CONSUMER AND DESIGN SCIENCES (3)** LEC. 3. Pr. P/C CADS 7050. Review of theories of aesthetics focusing on aesthetic experience and response as a function of object, perceiver, and situational properties. Graduate standing.

**CADS 7530 SUSTAINABILITY THEORY AND APPLICATIONS (3)** LEC. 3. Pr. P/C CADS 7050. Departmental approval. Overview of current sustainability theories, research, and methodologies from the perspectives of different fields of study. Evaluation of literature and practices in the apparel and textile industrial complex, interior design practice, and related products and services through people, processes, and the environment. Development and presentation of original scholarly or creative design work within sustainability frameworks.

**CADS 7670 SOCIAL PSYCHOLOGICAL THEORIES IN CONSUMER AND DESIGN SCIENCES (3)** LEC. 3. Pr. P/C CADS 7050. Examination of theories that explain the social-psychological aspects of consumer behavior related to apparel and design sciences.

**CADS 7690 CONSUMER THEORY IN APPAREL AND INTERIORS (3)** LEC. 3. Pr. CADS 7050. Departmental approval. Overview of various theories used in consumer research with an emphasis on their application in apparel, merchandising, design, and interiors.

**CADS 7900 DIRECTED STUDIES (1-3)** IND. SU. Course may be repeated for a maximum of 6 credit hours.

**CADS 7910 SUPERVISED TEACHING IN CONSUMER AND DESIGN SCIENCES (1)** AAB/IND. 1. SU. Departmental approval. Practical experience teaching in the classroom. Course may be repeated for a maximum of 3 credit hours.

**CADS 7920 GRADUATE INTERNSHIP (3)** INT. 3. Departmental approval. Supervised professional experience in the United States or internationally.

**CADS 7930 ADVANCED DESIGN PROJECTS (1-6)** IND. SU. Departmental approval. Independent execution of advanced design work. (A) Apparel; (B) Interiors; (C) Visual Merchandising; (D) Textile Design. Course may be repeated for a maximum of 6 credit hours.

**CADS 7940 STUDY/TRAVEL IN CONSUMER AND DESIGN SCIENCES (1-3)** FLD. SU. Departmental approval. Concentrated study/travel in the U.S. or internationally. Course may be repeated for a maximum of 6 credit hours.

**CADS 7950 SEMINAR (1)** SEM. 1. SU. Departmental approval. Research presentations and discussion. Course may be repeated for a maximum of 3 credit hours.

**CADS 7960 SPECIAL PROBLEMS (1-3)** IND. SU. Departmental approval. Directed readings in textiles, apparel, interiors and retailing. Course may be repeated for a maximum of 6 credit hours.

**CADS 7970 SPECIAL TOPICS IN DESIGN (1-6)** RES. Departmental approval. (A) Apparel; (B) Interiors; (C) Visual Merchandising; (D) Textile Design. Independent execution of advanced design work. Course may be repeated for a maximum of 6 credit hours.

**CADS 7980 GRADUATE PROJECT (1-3)** RES. Departmental approval. In-depth, integrative research in a particular project related to apparel, textiles, interiors or consumer behavior. Course may be repeated for a maximum of 6 credit hours.

**CADS 7990 RESEARCH AND THESIS (1-10)** AAB/MST. Course may be repeated with change in topics.

**CADS 8100 APPAREL AND INTERIORS BRANDING (3)** LEC. 3. Pr. CADS 7050. Critical examination of theories and methodological issues in branding research and application in apparel and interior product and service branding.

**CADS 8950 INDUSTRY ISSUES SEMINAR (1)** LEC. 1. SU. Research presentations and discussions on issues facing consumer and design sciences. Course may be repeated for a maximum of 6 credit hours.

**CADS 8960 CURRENT ISSUES IN CONSUMER AND DESIGN SCIENCES (1-3)** LEC. 1-3. Departmental approval. Examination of current issues in consumer and design sciences. Course may be repeated for a maximum of 6 credit hours.

**CADS 8970 SPECIAL TOPICS (1-3)** LEC. Departmental approval. Topics related to various aspects of consumer and design sciences. Course may be repeated for a maximum of 9 credit hours.

**CADS 8990 RESEARCH AND DISSERTATION (1-10)** DSR. Course may be repeated with change in topics.

## Global Studies/Human Sciences Courses

**GSHS 2000 GLOBAL STUDIES HUMAN SCIENCES (3)** LEC. 3. An introduction to global studies with emphasis on topics relevant to Human Sciences majors.

**GSHS 2007 HONORS GLOBAL STUDIES HUMAN SCIENCES (3)** LEC. 3. An introduction to global studies with emphasis on topics relevant to Human Sciences majors.

**GSHS 3000 GLOBAL STUDIES IN HUMAN SCIENCES LECTURE SERIES (1)** LEC. 1. Pr. GSHS 2000. Coreq. GSHS 3010. Invited speakers and lectures will explore global studies topics from a human sciences perspective.

**GSHS 3010 PROFESSIONAL DEVELOPMENT IN GLOBAL STUDIES (2)** LEC. 2. Pr. GSHS 2000. Coreq. GSHS 3000. Job-seeking and career development skills for Global Studies Professionals, based upon individual needs.

**GSHS 3970 SPECIAL TOPICS GLOBAL STUDIES IN HUMAN SCIENCES (1-3)** LEC. 1-3. Departmental approval. Study of topics of special interest beyond the current GSHS course offerings. Course may be repeated for a maximum of 9 credit hours.

**GSHS 4050 DESIGN THINKING IN GLOBAL STUDIES IN HUMAN SCIENCES (3)** LEC. 3. Pr. GSHS 2000 and GSHS 3000 and GSHS 3010. Application of design thinking methodology to understand global issues in the Human Sciences.

**GSHS 4920 GLOBAL STUDIES INTERNSHIP (12)** INT. 450. Pr. GSHS 2000 and GSHS 3000. Supervised professional internship in an international setting. Senior standing and 2.25 GPA.

**GSHS 4980 RESEARCH GLOBAL STUDIES IN HUMAN SCIENCES (1-6)** RES. 1-6. Pr. GSHS 2000 and GSHS 3000. Research in Global Studies in Human Sciences Course may be repeated for a maximum of 6 credit hours.

**GSHS 4997 HONORS THESIS (1-6)** LEC. 1-6. SU. Pr. GSHS 2000 and GSHS 3000 and GSHS 3010 and GSHS 4920. Honors thesis course for Global Studies in Human Sciences majors. Course may be repeated for a maximum of 6 credit hours.

**GSHS 5000 GLOBAL STUDIES IN HUMAN SCIENCES CAPSTONE (3)** LEC. 3. Pr. GSHS 2000 and GSHS 3000 and GSHS 4920 and GSHS 3010. A capstone course designed to bring global studies issues that are relevant to the human sciences field into focus through problem-based learning.

## Hospitality Management Courses

**HOSP 1010 INTRODUCTION TO HOSPITALITY MANAGEMENT (3)** LEC. 3. Overview of the hotel, restaurant, club, and travel industries and their interaction.

**HOSP 2300 HOSPITALITY LAW (3)** LEC. 3. Pr. (HRMT 1010 or HOSP 1010). or Departmental Approval. Legal systems and laws relevant to the management of restaurants, hotels, private clubs and other hospitality operations.

**HOSP 2350 CULINARY FUNDAMENTALS (3)** LEC. 2. LAB. 4. HOSP Major, WLEM, or Departmental approval. Introduction to fundamental culinary skills, methods and techniques used in the production of a variety of culinary dishes.

**HOSP 2400 FOOD PRODUCTION AND SERVICE (4)** LEC. 2. LAB. 6. Pr. (HRMT 1010 or HOSP 1010) and (HOSP 2350). HOSP Major, or Departmental approval. Food Production and Service will introduce students to the theoretical and operational concepts surrounding front- and back-of-the-house in a commercial restaurant operation.

**HOSP 2500 LODGING OPERATIONS (3)** LEC. 2. LAB. 6. Lodging operations management, with emphasis on guest cycle.

**HOSP 2600 EVENT OPERATIONS (3)** LEC. 3. An analysis of each component pertinent to the planning and operations of a hospitality event. Topics such as strategic planning, event design, logistics, staging, marketing, and event evaluation will be discussed.

**HOSP 2910 HOSPITALITY PRACTICUM (1)** PRA. Pr. HRMT 1010 or HOSP 1010. Hospitality Major Only. Rotational perspective on the management and operation of the Auburn University Hotel and Conference Center.

**HOSP 2940 PROFESSIONAL DEVELOPMENT IN HOSPITALITY (2)** LEC. 2. Introduces the concepts of career planning and preparation for the hospitality industry. Hospitality Management Major.

**HOSP 3200 HOSPITALITY FINANCIAL MANAGEMENT (3)** LEC. 3. Pr. (ACCT 2810 or ACCT 2813 or ACCT 2817 or ACCT 2110 or ACCT 2113 or ACCT 2117). Hospitality Management Major only. Financial systems and statements in the hospitality industry.

**HOSP 3400 HOSPITALITY MARKETING (3)** LEC. 3. Pr. (P/C MKTG 3310 or P/C MKTG 3313 or P/C MKTG 3317). Junior standing and Hospitality Major Only or Departmental approval. Service marketing concepts and issues as applied to the global hospitality industry.

**HOSP 3450 ADVANCED CULINARY ARTS (3)** LEC. 1. LAB. 4. Pr. HRMT 1010 or HOSP 1010 and HOSP 2350. HOSP Major or Departmental Approval. This course is an in-depth study of intermediate and advanced level processes in contemporary culinary arts and food production.

**HOSP 3700 PRINCIPLES OF SERVICE MANAGEMENT (3)** LEC. 3. This course will address the key performance indicators service professionals and their front line personnel in the broad services sector and the commercial airline industry in particular, must address in an effort to set themselves apart competitively as well as grow and sustain market share.

**HOSP 3750 BAKING AND PATISSERIE (3)** LEC. 1. LAB. 5. Pr. HOSP 2350. HOSP Major or Departmental Approval. This course includes the study of bakery and patisserie methods and principles, emphasizing classical and contemporary plated desserts and baked goods.

**HOSP 3800 HOSPITALITY INFORMATION TECHNOLOGY (3)** LEC. 3. Pr. HRMT 1010 or HOSP 1010. Hospitality Major only or Departmental Approval. Strategic and operational issues surrounding introduction of technology in hospitality. Must be minimum of Junior standing.

**HOSP 4200 HOSPITALITY FACILITIES MANAGEMENT (3)** LEC. 2. LAB. 3. Pr. (HRMT 2500 or HOSP 2500). Design and operation of hospitality facilities.

**HOSP 4300 FOOD AND BEVERAGE MANAGEMENT (3)** LEC. 2. LAB. 6. Pr. HOSP 2400. This course is designed to provide students the knowledge and skills necessary to operate a food and beverage outlet.

**HOSP 4350 ADVANCED RESTAURANT MANAGEMENT (3)** LEC. 3. Pr. (HRMT 2400 or HOSP 2400) and (HRMT 4300 or HOSP 4300). Advanced concepts and managerial issues of restaurant management.

**HOSP 4480 GLOBAL GASTRONOMY (3)** LEC. 2. LAB. 4. Pr. HRMT 2400 or HOSP 2400. HOSP Major or Departmental Approval. The study of classical cooking skills associated with the preparation and service of international and ethnic cuisines. Additionally, food will be explored from a historical, cultural, economic and geopolitical perspective in each of the regions/countries studied.

**HOSP 4500 STRATEGIC HOSPITALITY MANAGEMENT (3)** LEC. 3. Pr. (HRMT 1010 or HOSP 1010) and (MNGT 3100 or MNGT 3103 or MNGT 3107 or MNGT 3810). Hospitality Major only or Departmental Approval. Development and implementation of strategic management in hospitality.

**HOSP 4510 SPECIAL EVENTS (3)** LEC. 3. Pr. HRMT 2600 or HOSP 2600. This course teaches students all the intricacies of special events. Students learn about the different types of special events and how different they are from each other. Students should be able to plan, organize and manage. Hospitality Major Only. Junior and Senior Standing.

**HOSP 4570 GLOBAL HOSPITALITY (3)** LEC. 3. Contemporary issues confronting the global hospitality industry. Management and marketing operations emphasized. Seniors only, HOSP and GSHS majors only.

**HOSP 4600 BEVERAGE APPRECIATION (3)** LEC. 3. 21 Years Old. Junior standing. Hospitality Major Only or Departmental Approval. Production, selection, service, and sensory evaluation of alcoholic and non-alcoholic beverages.

**HOSP 4700 HOSPITALITY PROPERTY DEVELOPMENT & MANAGEMENT (3)** LEC. 3. Pr. HOSP 2500 or HRMT 2500. This course introduces students to the complex world of resort management while also providing an understanding of the hotel/resort product development cycle from development to opening and management. It explores management responsibilities for project development, construction, supervision, pre-opening requirements, and operations. Senior only.

**HOSP 4920 INTERNSHIP IN HOSPITALITY (4)** INT. 4. Pr. 2.20 GPA. Departmental approval. HOSP major, 2.2 cumulative GPA, senior Standing, and 600 hours (during the collegiate experience) of work experience in hospitality. Application of principles and theories of hospitality in a professional hospitality setting.

**HOSP 4930 DIRECTED STUDIES IN HOSPITALITY MANAGEMENT (1-3)** LEC. Departmental approval. Directed Studies in Hospitality Management Pr., School Approval. Advanced individual research and study in Hospitality Management under the direction of a faculty member. Course may be repeated for a maximum of 3 credit hours.

**HOSP 4970 SPECIAL TOPICS IN HOSPITALITY MANAGEMENT (3)** LEC. 3. Departmental approval. Special Topics in Hospitality Management Pr., School Approval. A course addressing unique and/or current issues not covered in a regularly scheduled course.

**HOSP 4980 UNDERGRADUATE RESEARCH AND STUDY (1-3)** IND. Departmental approval. Undergraduate Research and Study Course may be repeated for a maximum of 3 credit hours.

**HOSP 5380 STUDY TRAVEL IN HOSPITALITY (1-6)** AAB/LLB. Departmental approval. Concentrated study in hospitality management in the US or international locations. Course may be repeated for a maximum of 6 credit hours.

**HOSP 5460 CATERING AND EVENT MANAGEMENT (3)** LEC. 2. LAB. 4. Pr. HOSP 4510. This course familiarizes students with key points involved in the process of event design. Students will evaluate a venue's challenges and assets to determine the most fitting, and feasible, design concept based on client needs and budgetary considerations. Must be Senior Standing.

**HOSP 5461 CATERING AND EVENT MANAGEMENT LABORATORY (2)** LAB. 2. Pr. HOSP 5460 or HRMT 5460. Departmental approval. Provides students with a leadership practical experience in the planning, coordinating and execution of The Hospitality GALA and to provide a forum whereby they work alongside industry professionals.

**HOSP 5530 SCIENCE OF QUALITY SERVICE IN HOSPITALITY (3)** LEC. 3. Junior standing. Hospitality Major only or departmental approval. Role of quality service in attaining and retaining customers with emphasis on organizational strategic mission. May count HOSP 5530 or 6530.

**HOSP 5540 CONFERENCE COORDINATION (3)** LEC. 3. Pr. HOSP 1010 or HRMT 1010. Junior standing. Systems for managing conference coordination. May count HOSP 5540 or 6540.

**HOSP 5550 CLUB MANAGEMENT (3)** LEC. 3. Pr. HOSP 1010 or HRMT 1010. Junior standing. Examination of unique features, opportunities and problems associated with club management. Credit will not be given for HOSP 5550 and HOSP 6550.

**HOSP 5590 RECREATIONAL FOOD SERVICE MANAGEMENT (3)** LEC. 3. Pr. HRMT 2400 or HOSP 2400 or Departmental approval. Methods and systems of managing foodservice operations recreational facilities. Credit is not allowed for both HOSP 5590 and HOSP 6590.

**HOSP 6380 STUDY TRAVEL IN HOSPITALITY (1-6)** AAB/LLB. Departmental approval. Concentrated study in hospitality management in the US or international locations. Course may be repeated for a maximum of 6 credit hours.

**HOSP 6460 CATERING AND EVENT MANAGEMENT (1)** LEC. 1. Departmental approval. Exploring advanced management topics in catering and event planning including risk, liability, crisis and other challenges faced by the industry.

**HOSP 6461 CATERING AND EVENT MANAGEMENT (2)** LAB. 4. Pr. HRMT 6460 or HOSP 6460. Departmental approval. Provides students with a leadership practical experience in the planning, coordinating and execution of The Hospitality GALA and to provide a forum whereby they work alongside industry professionals.

**HOSP 6530 SCIENCE OF QUALITY SERVICE IN HOSPITALITY (3)** LEC. 3. Departmental approval. This course introduces students to the important role that quality service plays in attaining and retaining customers in the pursuit of an organizations strategic mission. Credit will not be given for HOSP 6530 and HOSP 5530.

**HOSP 6540 CONFERENCE COORDINATION (3)** LEC. 3. Departmental approval. Systems for the management of the conference coordination segment of the hospitality industry. Credit will not be given for HOSP 6540 and HOSP 5540.

**HOSP 6550 CLUB MANAGEMENT (3)** LEC. 3. Departmental approval. Unique features, opportunities, and problems associated with resort and club management. Credit will not be given for HOSP 6550 and HOSP 5550.

**HOSP 6590 RECREATIONAL FOODSERVICE MANAGEMENT (3)** LEC. 3. Departmental approval. Methods and systems of managing foodservice operations in recreational facilities. Credit will not be given for both HOSP 6590 and HOSP 5590.

**HOSP 7000 HOSPITALITY ENTERPRISE (3)** LEC. 3. Emphasizes aspects of hospitality enterprise including developmental, motivational, financial and human resource issues through contemporary academic literature.

**HOSP 7010 ADVANCED TOURISM ANALYSIS (3)** LEC. 3. This course acquaints students with selected theories, methods, techniques, current issues, practices, and principles that govern tourism behavior.

**HOSP 7050 ADVANCED HOSPITALITY OPERATIONS (3)** LEC. 3. This course familiarizes students with theory, research and methodological issues, current issues, practices, and principles in hospitality operations. Students will be exposed to a broad range of academic research and practice-oriented readings such as case studies and book chapters in the area of customer relations management, service quality, sustainable operations and corporate social responsibility, strategic management, human resource management, financial management, etc. Must be in Graduate Standing.

**HOSP 7090 CONSUMER BEHAVIOR IN HOSPITALITY AND TOURISM (3)** LEC. 3. This course aims to explore and critically examine current debates, critical reflections of contemporary ideas, controversies and pertinent queries relating to the rapidly expanding discipline of consumer behavior in hospitality and tourism. Must be a student enrolled in the HOSP graduate program.

**HOSP 7100 THE BUSINESS OF BREWING (3)** DSL/LEC. 3.

**HOSP 7110 BREWING MATERIALS (3)** DSL/LEC. 3. This course provides students with an introduction to all types of brewing ingredients including grain, hops, and adjuncts. Baccalaureate degree and 21 years of age.

**HOSP 7120 SCIENCE OF BREWING I (3)** DSL/LEC. 3. Theoretical and applied brewing science, recipe formulation yeast biology and genetics part I. Baccalaureate degree and 21 years of age.

**HOSP 7130 SCIENCE OF BREWING II (3)** DSL/LEC. 3. Theoretical and applied brewing science, recipe, formulation, yeast biology and genetics part 2. Baccalaureate Degree, 21 years of age.

**HOSP 7140 FACILITIES AND OPERATIONS (3)** LEC. 3. This course will focus on the facilities required to produce a high quality, safe and sanitary product. Baccalaureate Degree, 21 years of age.

**HOSP 7150 BREWING MICROBIOLOGY (3)** LEC. 3. Pr. (HOSP 7116 or HOSP 7110) and (HOSP 7126 or HOSP 7120) and (HOSP 7136 or HOSP 7130). Brewing Microbiology discusses the microbes that are essential to successful beer production and processing, and the ways they can pose hazards in terms of spoilage and sensory quality. The course examines the properties and management of these microorganisms in brewing, along with tactics for reducing spoilage and optimizing beer quality.

**HOSP 7160 APPLIED ENGINEERING IN BREWING (3)** LEC. 3. This course will be an introduction of basic engineering principles and how they can be applied to the brewing process. These principles will then be applied in the practice of basic engineering scale-up with emphasis on larger scale brewing equipment and processes.

**HOSP 7170 BEER DISTRIBUTION SYSTEMS (3)** LEC. 3. Brewery supply chain management in the context of suppliers, distributors, retailers, and customers. Focus on components of production/packaging, impact of supply chain disruption, distribution pathways, and the three-tier system.

**HOSP 7180 QUALITY MANAGEMENT AND BREWING ANALYTICS (3)** LEC. 3. Quality Management and Brewing Analytics examines the establishment of quality management programs in the brewery and the various sensory and analytical approaches to assessing overall beer quality.

**HOSP 7500 GLOBAL HOSPITALITY STRATEGY (3)** LEC. 3. Departmental approval. The course addresses the strategic issues and unique challenges encountered by international hospitality endeavors.

**HOSP 7910 PRACTICUM IN BREWING SCIENCE (3)** DSL/PRA. SU. Application of principles and theories of brewing in an industry setting.

**HOSP 7920 PROFESSIONAL INTERNSHIP IN HOSPITALITY MANAGEMENT (1-3)** INT. SU. Departmental approval. Application and analysis of principles and theories of hospitality in a professional hospitality setting. No more than three hours may count toward a graduate degree. Course may be repeated for a maximum of 3 credit hours.

**HOSP 7960 SPECIAL PROBLEMS (1-3)** DSL/IND. An independent research experience under the supervision of a faculty member from the Hospitality Management Program to allow pursuit of specific interests in hospitality and tourism usually not covered in other course offerings. Graduate standing. Course may be repeated for a maximum of 6 credit hours.

**HOSP 7980 NON-THESIS RESEARCH (1-4)** RES. 1-4. Individual masters research. May be repeated for credit. Course may be repeated with change in topics. No more than six hours may be counted toward meeting degree requirements. Must be a HOSP major. Course may be repeated for a maximum of 6 credit hours.

**HOSP 7990 RESEARCH AND THESIS (1-4)** RES. 1-4. Individual masters research. May be repeated for credit. Course may be repeated with change in topics. No more than four hours may be counted toward meeting degree requirements. Must be a HOSP major.

**HOSP 8020 NEW FACULTY DEVELOPMENT IN HOSPITALITY (2)** SEM. 2. The course aims to engage graduate students in a discussion about the normative graduate education experience, faculty expectations on productivity around this experience, career preparation and placement, and navigating the promotion and tenure process. Must be a HOSP Graduate student or have Departmental Approval.



**HOSP 8860 CURRENT ISSUES IN HOSPITALITY MANAGEMENT (3)** LEC. 3. Analysis of current issues in the hospitality industry with emphasis on management.

**HOSP 8870 ADVANCED HOSPITALITY MANAGEMENT RESEARCH AND APPLICATIONS (3)** LEC. 3. Comprehensive review of the academic research process in the context of hospitality management.

**HOSP 8880 THEORETICAL DEVELOPMENTS FOR HOSPITALITY (3)** LEC. 3. The nature of hospitality theory and its development.

**HOSP 8910 SUPERVISED TEACHING (1)** IND. 1. Individual teaching experience under the supervision of a faculty member in hospitality management. Exploration of a variety of instructional methods and active learning strategies as well as related educational issues, such as grading, classroom management, and student motivation.

**HOSP 8970 GRANTSMANSHIP FOR HOSPITALITY AND TOURISM RESEARCH (3)** LEC. 3. This course will provide students with the necessary skills to develop a competitive grant proposal. It will also cover information about grants development, including identifying various funding resources, writing a request for funding letter, planning a budget, evaluating the quality of a proposal, developing collaborations, and implementing strategies for research. NDHM graduate students or Departmental Approval.

**HOSP 8990 RESEARCH AND DISSERTATION (1-10)** DSR. 1-10. Individual doctoral dissertation research. May be repeated for credit. Course may be repeated with change in topics. Must be HOSP major.

## Human Dev Family Studies Courses

**HDFS 1800 INTRODUCTION TO HDFS (2)** LEC. 2. Introduction to the department of Human Development and Family Science with a focus on professions, degree options, and a preparation of student success across the major.

**HDFS 1810 INTRODUCTION TO THE FIELD OF CHILD LIFE (1)** LEC. 1. Students will be introduced to the field of child life, including but not limited to the realities of child life, clinical requirements for certification, document preparation, alternative contexts for child life, and general child life skills.

**HDFS 2000 MARRIAGE AND FAMILY IN A GLOBAL CONTEXT (3)** LEC. 3. Examination of marriage and family systems, including their interface with the broader socio-cultural context.

**HDFS 2010 LIFESPAN HUMAN DEVELOPMENT IN FAMILY CONTEXT (3)** LEC. 3. Human development within the context of the family and across the family life cycle with a focus on significant life transitions.

**HDFS 2020 RESEARCH METHODS FOR DEVELOPMENTAL AND FAMILY SCIENCE (3)** LEC. 3. The focus of this course is on the methods used to conduct research in human developmental and family sciences.

**HDFS 2030 PROFESSIONAL DEVELOPMENT I AND ETHICS (2)** LEC. 2. Pr. P/C HDFS 1800. Professional examination of career opportunities, graduate schools, and professional opportunities within the field of HDFS. Appraisal of career potential, formulation of a professional code of ethics, and exploration of career options.

**HDFS 2040 ANALYTICS FOR THE SOCIAL AND BEHAVIORAL SCIENCES (3)** LEC. 3. Pr. (MATH 1100 or MATH 1120 or MATH 1123 or MATH 1130 or MATH 1133 or MATH 1150 or MATH 1153 or MATH 1610 or MATH 1613 or MATH 1617). Introduction to basic data analysis (by Excel) used in social and behavioral science research, including descriptive and inferential techniques and elements of research design.

**HDFS 2050 ISSUES AND TRENDS IN EARLY CHILD DEVELOPMENT (3)** LEC. 3. This course will examine the history of the field of early care and education, specifically in regard to young children. Theorists such as Montessori, Dewey, Piaget and Vygotsky will be discussed. Modern approaches such as Reggio Emilia, High Scope, Forest Schools and Open Schools will be examined. Students will learn about laws pertaining to young children as well as avenues for advocacy. Emphasis will be placed on the importance of building family and community relationships as well as becoming a professional in the early childhood field.

**HDFS 3010 CHILD DEVELOPMENT IN THE FAMILY (3)** LEC. 3. Pr. 2.25 GPA. Social, emotional, physical and intellectual development in early and middle childhood with a special focus on family relationships.

**HDFS 3030 ADOLESCENT DEVELOPMENT IN THE FAMILY (3)** LEC. 3. Pr. 2.25 GPA. HDFS 2010 or HDFS 2013. 2.25 GPA. Analysis of adolescent development with emphasis on family context and developmental outcomes employing an ecological framework.

**HDFS 3040 HUMAN SEXUALITY OVER THE FAMILY LIFE CYCLE (3)** LEC. 3. Pr. (HDFS 2000 or HDFS 2003) or (SOCY 1000 or SOCY 1007) or (PSYC 2010 or PSYC 2013 or PSYC 2017). Human sexuality from a life-cycle perspective, emphasizing developmental, familial and societal factors.

**HDFS 3050 ADULT DEVELOPMENT AND AGING (3)** LEC. 3. Exploration of the transformations in physical, cognitive, psychological and social functioning beginning in young adulthood and continuing through old age.

**HDFS 3060 PATTERNS OF FAMILY INTERACTION (3)** LEC. 3. Pr. 2.25 GPA. HDFS 2000 or HDFS 2003. Examination of family process and interaction, emphasizing major conceptual frameworks of family development.

**HDFS 3080 DEVELOPMENT OF INTERPERSONAL RELATIONSHIPS (3)** LEC. 3. Pr. 2.25 GPA. HDFS 2000 or HDFS 2003. Examination of the competencies necessary for development of successful interpersonal relationships.

**HDFS 3110 INFANT AND TODDLER DEVELOPMENT (3)** LEC. 3. Pr. P/C HDFS 2010 or P/C HDFS 2013. Infant and toddler development from pre-birth through 36 months, with a focus on theory, research, and practice.

**HDFS 3460 EFFECTIVE GUIDANCE AND INTERACTION WITH YOUNG CHILDREN (3)** LEC. 3. Pr. P/C HDFS 3010. Coreq. HDFS 3461. Child development and teacher child relationship knowledge applied to interactions with young children.

**HDFS 3461 EFFECTIVE GUIDANCE AND INTERACTION WITH YOUNG CHILDREN LAB (1)** LAB. 3. Pr. P/C HDFS 3010. Coreq. HDFS 3460. Laboratory Class for HDFS 3460

**HDFS 3470 LEARNING EXPERIENCES FOR YOUNG CHILDREN (3)** LEC. 3, FLD/LEC. 1. Pr. HDFS 3460. Coreq. HDFS 3471. Child development knowledge applied to preschool curriculum planning.

**HDFS 3471 LEARNING EXPERIENCES FOR YOUNG CHILDREN LAB (1)** LAB. 3. Pr. HDFS 3010 and HDFS 3460 and HDFS 3461. Coreq. HDFS 3470. Laboratory Class for HDFS 3470

**HDFS 3500 HOSPITALIZED CHILDREN AND THEIR FAMILIES (3)** LEC. 3. Pr. P/C HDFS 3010. Sophomore standing in HDFS major or a major in a related field. Theories and research about children and their families in hospital settings. Course is taught by Certified Child Life Specialist through a child life lens.

**HDFS 3510 THERAPEUTIC PLAY (3)** LEC. 3. Pr. P/C HDFS 3010. Theories and research on play, play's use in many contexts, and the many therapeutic qualities of play will be discussed. Course is taught by Certified Child Life Specialist through a child life lens.

**HDFS 3910 PRACTICUM (1-6)** PRA. SU. Pr., Departmental approval. Directed experience in a professional setting. A) Human Development; B) Family Studies; C) Marriage and Family Therapy. Course may be repeated for a maximum of 6 credit hours.

**HDFS 3930 SERVICE LEARNING IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (1-6)** AAB/LEC. Application of HDFS-relevant knowledge to real-life situations through active participation in a directed community service experience. A.) Auburn University Early Learning Center; B.) Harris Early Learning Center of Birmingham; C.) Other Community Placements. Course may be repeated for a maximum of 6 credit hours.

**HDFS 3940 CHILD LIFE PRACTICUM (3)** PRA. Pr. P/C HDFS 4500. Directed experience in a healthcare setting under the supervision of a certified child life specialist. Application and Interview process required. Departmental approval required.

**HDFS 3980 UNDERGRADUATE RESEARCH AND STUDY (1-5)** AAB/LEC. SU. Directed research under faculty supervision. Course may be repeated for a maximum of 5 credit hours.

**HDFS 4380 STUDY AND TRAVEL IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (2-12)** AAB/FLD. Pr. (CAHS 2000 or CADS 2000 or CADS 2003 or CADS 2007) and (HDFS 2000 or HDFS 2003) and (NTRI 2000 or NTRI 2003 or NTRI 2007 or NUFS 2000 or NUFS 2003 or NUFS 2007). Departmental approval. Provide students with opportunities to reach beyond the classroom to study topics relevant to human development and family science abroad. Course may be repeated for a maximum of 12 credit hours.

**HDFS 4470 ADVANCED LEARNING EXPERIENCES FOR YOUNG CHILDREN (3)** LEC. 3, FLD/LEC. 1. Pr. HDFS 3010 and HDFS 3460 and HDFS 3470 and HDFS 3461 and HDFS 3471. Coreq. HDFS 4471. This course applies child development knowledge to advanced curriculum planning, family engagement and child assessment.

**HDFS 4471 ADVANCED LEARNING EXPERIENCES FOR YOUNG CHILDREN LAB (1)** LAB. 4. Pr. HDFS 3010 and HDFS 3460 and HDFS 3470 and HDFS 3461 and HDFS 3471. Coreq. HDFS 4470. Laboratory course for HDFS 4470

**HDFS 4520 DYING, DEATH AND BEREAVEMENT (3)** LEC. 3. Exploration of end of life issues from individual, relational and cultural perspectives.

**HDFS 4660 RESOURCE MANAGEMENT FOR INDIVIDUALS, COUPLES, AND FAMILIES (3)** LEC. 3. An understanding of the decisions individuals and families make about developing and allocating resources.

**HDFS 4670 PARENT EDUCATION (3)** LEC. 3. Pr. HDFS 3010 or HDFS 3013 or HDFS 3030 or HDFS 3050 or HDFS 3053. Principles of working with parents on individual and group bases. Must be in junior standing.

**HDFS 4680 FAMILY IN CROSS-CULTURAL PERSPECTIVE (3)** LEC. 3. Pr. 2.25 GPA. HDFS 2000 or HDFS 2003. Examination of family function and diversity in cultures and family systems around the world.

**HDFS 4700 GENDER ROLES AND CLOSE RELATIONSHIPS (3)** LEC. 3. Pr. HDFS 2000 or SOCY 1000 or SOCY 1007 or PSYC 2010 or PSYC 2013 or PSYC 2017 or COUN 2000. Analysis of changing roles and their effects on romantic, marital, and parent-child relationships.

**HDFS 4910 PROFESSIONAL DEVELOPMENT II AND CAPSTONE (2)** LEC. 2. Pr. HDFS 1800 and HDFS 2030. Professional Development aimed at student preparation for graduate school and career. The cumulation of the professional development courses requires an in-depth examination and advanced design of the professional, outward-facing ePortfolio.

**HDFS 4920 INTERNSHIP IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (12)** INT. Pr. HDFS 4910. HDFS major with current background check, all required coursework for the major complete, a grade of C or better in all HDFS major core classes at the 3000-level or higher, and an overall minimum GPA of 2.25. Internship applications must be submitted 2 semesters in advance. A computer and internet access is required.

**HDFS 4930 INTERNSHIP IN CHILD LIFE (12)** INT. Pr. HDFS 4910. Departmental approval. HDFS major with current background check, all required coursework for the major complete, a grade of C or better in all child life option core classes at the 3000-level or higher, and an overall minimum GPA of 3.0. Students who enroll in this course must complete their internship under the supervision of a certified child life specialist. Internship applications must be submitted 2 semesters in advance. A computer and internet access are required.

**HDFS 4940 INTERNSHIP IN EARLY CHILD DEVELOPMENT TOWARD CERTIFICATION (12)** INT. Departmental approval. Pr. HDFS 3460 and HDFS 3470 and HDFS 4470 and HDFS 4910. Intensive capstone teaching experience of at least 450 hours. HDFS major with all required coursework for the major complete, a grade of C or better in all Early Child Development option core classes at the 3000-level or higher, ALSDE background check, and an overall minimum GPA of 2.75. Students who enroll in this course will complete requirements for Ed TPA. Internship applications must be submitted 2 semesters in advance. A computer and internet access are required.

**HDFS 4950 ADVANCED SEMINAR (3)** LEC. 3. Pr., Departmental approval. Topical seminar in HDFS. A) Advanced Research B) Child Development; C) Family Studies; D) Marriage and Family Therapy. Course may be repeated for a maximum of 9 credit hours.

**HDFS 4960 SPECIAL PROBLEMS IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (1-3)** IND. SU. Supervised readings in one or more topical areas. Course may be repeated for a maximum of 3 credit hours.

**HDFS 4980 ADVANCED UNDERGRADUATE RESEARCH IN HUMAN DEVELOPMENT AND FAMILY STUDIES (1-5)** IND. Pr., Departmental approval, Junior standing. Conduct research under the direction of a human development and family studies faculty member on a topic of mutual interest. Course may be repeated for a maximum of 5 credit hours.

**HDFS 4997 HONORS THESIS (2-6)** IND. SU. Pr. Honors College. Research in specialized topics. Course may be repeated for a maximum of 6 credit hours.

**HDFS 5200 APPLIED RESEARCH AND EVALUATION METHODS (3)** LEC. 3. Junior standing. Application of research to the development and evaluation of programming for children and families.

**HDFS 5300 HDFS AND SOCIAL POLICY (3)** LEC. 3. Junior standing. Examination and critique of social policies from a family perspective.

**HDFS 5400 PROGRAM DESIGN FOR COMMUNITIES, SCHOOLS, AND FAMILIES (3)** SEM. 3. Program design for schools, communities, and families is a course designed to help students learn about program design approaches used to improve the lives of people. Students will learn the basics of the program planning process, the complexity of assessing need, evaluation, and program implementation to targeted populations of people.

**HDFS 5930 SOCIETY AND HEALTH (3)** LEC. 3. This course provides an overview of population-level theories of health and introduces students to concepts in society and health, with a focus on major themes related to social determinants of health and health inequities. May count either HDFS 5930 or HUSC 5930.

**HDFS 5950 SEMINAR ON HEALTH ECOLOGY AND EQUITY (3) SEM.** 3. This is a seminar course that features distinguished lecturers. This course provides knowledge on special topics in health ecology and equity, delving into specific research programs.

**HDFS 5970 SPECIAL TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (3) LEC.** 3. Pr., Junior standing. Study of topics of special interest beyond the current departmental offerings. Course may be repeated for a maximum of 9 credit hours.

**HDFS 6200 APPLIED RESEARCH AND EVALUATION METHODS (3) LEC.** 3. Graduate standing. Application of research to the development and evaluation of programming for children and families.

**HDFS 6300 HDFS AND SOCIAL POLICY (3) LEC.** 3. Graduate standing. Examination and critique of social from a family perspective.

**HDFS 6400 PROGRAM DESIGN FOR COMMUNITIES, SCHOOLS, AND FAMILIES (3) SEM.** 3. Program design for communities, schools, and families is a course designed to teach the basics of the program planning process, the complexity of assessing need, program evaluation, and program delivery to targeted populations of people.

**HDFS 6930 SOCIETY AND HEALTH (3) LEC.** 3. This course provide an overview of population-level theories of health and introduces students to concepts in society and health, with a focus on major themes related to social determinants of health and health inequities. May count either HDFS 6930 or HUSC 6930.

**HDFS 6950 SEMINAR ON HEALTH ECOLOGY AND EQUITY (3) LEC.** 3. This is a seminar course that features distinguished lecturers. This course provides knowledge on special topics in health ecology and equity, delving into specific research programs.

**HDFS 6970 SPECIAL TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (3) LEC.** 3. Pr., Graduate standing. Study of topics of special interest beyond the current departmental offerings. Course may be repeated for a maximum of 9 credit hours.

**HDFS 7010 CHILD AND ADOLESCENT DEVELOPMENT IN CONTEXT (3) LEC.** 3. Survey and critical examination of research on development from birth through adolescence.

**HDFS 7020 ADULT DEVELOPMENT IN CONTEXT (3) LEC.** 3. Survey and critical evaluation of research on development in the adult and aging periods of the life cycle.

**HDFS 7030 LIFESPAN DEVELOPMENT IN CONTEXT (3) LEC.** 3. Survey and critical examination of research on human development from infancy through adulthood.

**HDFS 7040 FAMILY PROCESSES (3) LEC.** 3. An orientation to family theories and their role in contemporary studies of family processes.

**HDFS 7050 RESEARCH METHODS FOR HUMAN DEVELOPMENT AND FAMILY SCIENCE (3) LEC.** 3. Pr., Departmental approval. Survey of principles and methods for studying individuals, dyadic relationships and families.

**HDFS 7060 RESEARCH METHODS FOR HUMAN DEVELOPMENT AND FAMILY SCIENCE II (3) LEC.** 3. Pr. HDFS 7050. Pr., Departmental approval. Survey of principles and advanced methods for studying individuals, dyadic relationships, and families.

**HDFS 7070 RESEARCH LITERACY IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (3) LEC.** 3. Research literacy course informs students' as research consumers to identify, understand, discuss, and evaluate different types of research methods and statistical analyses, to communicate the findings of such research to others, and to use findings of quality research to impact future academic research and professional policy and practice.

**HDFS 7100 PSYCHOSOCIAL CARE OF MEDICALLY AND EMOTIONALLY VULNERABLE CHILDREN (3) LEC.** 3. Departmental approval. Child development theories, the impact of hospitalization on children and families, the impacts of trauma on development and coping, and common child life interventions are explored.

**HDFS 7110 PLAY AND THERAPEUTIC INTERVENTIONS IN CHILD LIFE (3) LEC.** 3. Child development theory, play theory, adaptive play, and therapeutic interventions are explored in the context of helping children cope with stressors such as hospitalization, bereavement, and trauma. Undergraduate degree in child life, child development, human development and family studies, or another related field.

**HDFS 7130 CHILD LIFE PROGRAM DEVELOPMENT AND EVALUATION (3) LEC.** 3. Methods of creating and implementing Child Life programs; documenting and assessing program activities; and supervising child life students and professionals will be discussed. Department Approval.

**HDFS 7140 DEATH, DYING AND BEREAVEMENT FOR CHILD LIFE SPECIALISTS (3)** LEC. 3. LAB. 0. Pr. HDFS 7100. Exploring children's understanding of death, and the child life specialist's role in caring for the bereaved family.

**HDFS 7600 MARRIAGE AND FAMILY THERAPY THEORY I (3)** LEC. 3. Pr., Departmental approval. Overview of theoretical and historical foundations, classic and contemporary therapy models, and integrative frameworks for marriage and family therapy.

**HDFS 7601 MARRIAGE AND FAMILY THERAPY THEORY LABORATORY I (1)** LAB. 3. Pr., Departmental approval. Basic clinical skills and self-of-the-therapist issues.

**HDFS 7610 MARRIAGE AND FAMILY THERAPY THEORY II (3)** LEC. 3. Pr., Departmental approval. Current theory and conceptual issues in the practice of marriage and family therapy.

**HDFS 7620 MARRIAGE AND FAMILY THERAPY CLINICAL ISSUES I: FAMILY SYSTEMS (3)** LEC. 3. Pr., Departmental approval. Advanced study of conceptual models and clinical approaches utilized in treating family systems.

**HDFS 7621 MARRIAGE AND FAMILY THERAPY LABORATORY II (1)** LAB. 1. Coreq. HDFS 7620. Pr., Departmental approval. Application of clinical models in a supervised setting.

**HDFS 7630 MARRIAGE AND FAMILY THERAPY CLINICAL ISSUES II: INDIVIDUALS (3)** LEC. 3. Pr., Departmental approval. Assessment and treatment of children, adolescents, adults, and sexuality issues from a systemic perspective.

**HDFS 7631 MARRIAGE AND FAMILY THERAPY LABORATORY III (1)** LAB. 3. Coreq. HDFS 7630. Departmental approval. Application of clinical skills with families, couples and individuals.

**HDFS 7640 MARRIAGE AND FAMILY THERAPY CLINICAL ISSUES III: COUPLES (3)** LEC. 3. Pr., Departmental approval. Conceptual, assessment and clinical approaches utilized in treating couples.

**HDFS 7650 MARRIAGE AND FAMILY THERAPY PROFESSIONAL ISSUES (3)** LEC. 3. Pr., Departmental approval. Professional, ethical, and legal issues associated with the practice of marriage and family therapy.

**HDFS 7660 SYSTEMIC IMPACT OF ILLNESS, MEDFT, & PSYCHOPHARMACOLOGY (3)** LEC. 3. Three components related to the practice of marriage and family therapy in healthcare settings: 1.) Systemic Impact and Treatment of Illness, (2) Treatment in Collaborative Health Care teams, and (3) Psychopharmacology.

**HDFS 7670 INDIVIDUAL, COUPLE, AND FAMILY DYNAMICS OF ADDICTION, RECOVERY, AND TREATMENT (3)** LEC. 3. An overview of the scope of the dynamics of addiction treatment and recovery in individuals, couples, and families. This course focuses on both substance use disorders and process addictions and will deal directly with preferred treatments of these issues in individual and systemic therapy.

**HDFS 7680 SYSTEMIC ASSESSMENT, DIAGNOSIS, & TREATMENT OF PSYCHOPATHOLOGY (3)** LEC. 3. This course will examine current research, theory, and clinical best practices for assessing and diagnosing psychopathology in the context of individual, couple, and family therapy.

**HDFS 7850 CHILD LIFE PRACTICUM (1-3)** PR1. 3-9. Pr. P/C HDFS 7100. Supervised clinical experience under the supervision of a Certified Child Life Specialist. Course may be repeated for a maximum of 3 credit hours.

**HDFS 7900 DIRECTED STUDIES (1-3)** AAB/IND. SU. Pr., Departmental approval. A) Child Care and Programs for Young Children; B) Family Relations; C) Human Development; D) Marriage & Family Therapy; E) Parent Education; F) Social Policy. Course may be repeated for a maximum of 9 credit hours.

**HDFS 7910 PRACTICUM (1-9)** AAB/PRA. SU. A) Child Care and Programs for Young Children; B) Family Relations; C) Human Development; D) Marriage and Family Therapy; E) Parent Education; F) Social Policy; G) Teaching. Course may be repeated for a maximum of 9 credit hours.

**HDFS 7920 MARRIAGE AND FAMILY THERAPY INTERNSHIP (3)** INT. Pr., Departmental approval. Clinical practice of marriage and family therapy. Course may be repeated for a maximum of 9 credit hours.

**HDFS 7930 SEMINAR IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (1-3)** SEM. Pr., Departmental approval. A) Infancy/ Childhood; B) Adolescence/Young Adulthood; C) Adulthood/Aging; D) Family as a Microsystem; E) Family and Mesosystem; F) Family in the Macrosystem; G) Child and Family Program Planning and Evaluation. Course may be repeated for a maximum of 16 credit hours.



**HDFS 7940 DIRECTED FIELD EXPERIENCE (1-9)** AAB/FLD. SU. Pr., Departmental approval. A) Child Care and Programs for Young Children; B) Family Relations; C) Human Development; D) Marriage and Family Therapy; E) Parent Education; F) Social Policy. Course may be repeated for a maximum of 9 credit hours.

**HDFS 7950 INTERNSHIP IN CHILD LIFE (12)** INT. 3. Pr. HDFS 7010 and HDFS 7040 and HDFS 7100 and HDFS 6300 and HDFS 7110 and HDFS 8010 and HDFS 7130 and HDFS 7070. Supervised on-the-job experiences, along with rigorous evaluations of student's work.

**HDFS 7970 SPECIAL TOPICS IN HDFS (1-4)** LEC. 1-4. Students will learn about key issues in sleep research, especially with those related to family functioning and social/emotional, behavioral, and physical health. Students will have assigned readings to prepare them for discussions during the lectures. Course may be repeated for a maximum of 18 credit hours.

**HDFS 7990 RESEARCH AND THESIS (1-10)** AAB/MST.

**HDFS 8010 RELATIONSHIP DEVELOPMENT AND PROCESS IN CHILDHOOD AND ADOLESCENCE (3)** LEC. 3. Theoretical and empirical themes focused on processes and dynamics of relationships in childhood adolescence.

**HDFS 8020 RELATIONSHIP DEVELOPMENT AND PROCESS IN ADULTHOOD (3)** LEC. 3. Theoretical and empirical themes focused on processes and dynamics of relationships in adulthood and aging.

**HDFS 8050 ADVANCED RESEARCH METHODS: COVARIANCE STRUCTURE ANALYSIS (3)** LEC. 3. Pr. HDFS 7060. In-depth examination of research methods, designs, and data analytic strategies commonly used in child and family research.

**HDFS 8060 MULTILEVEL MODELING (3)** LEC. 3. Pr. HDFS 7060. In depth examination of multilevel modeling as an analytic strategy for research in nested data structures.

**HDFS 8070 MEDIATION AND MODERATION ANALYSIS (3)** LEC. 3. Pr. HDFS 7060. Methods for evaluating mediation and moderation hypotheses by addressing both study designs and statistical analyses.

**HDFS 8080 MIXTURE MODELING (3)** SEM. Pr. HDFS 7060. Methodological advances in latent variable analysis have provided promising avenues for researchers interested in answering questions about latent (unobserved) classes and profiles. These two analytic techniques will be the focus of this course.

**HDFS 8090 QUALITATIVE METHODS IN THE SOCIAL SCIENCES (3)** LEC. 3. This course prepares graduate students to conduct and evaluate qualitative research in social science disciplines.

**HDFS 8970 ADVANCED SPECIAL TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCE (1-3)** LEC. Departmental approval. Study of advanced topics of special interest beyond the current departmental offerings. Course may be repeated for a maximum of 9 credit hours.

**HDFS 8990 RESEARCH AND DISSERTATION (1-10)** DSR.

## Human Sciences, General Courses

**HUSC 1010 INTRODUCTION TO HUMAN SCIENCES (2)** LEC. 2. An introduction course to provide an understanding of the discipline of Human Sciences, history, and career opportunities.

**HUSC 2000 HUNGER: CAUSES, CONSEQUENCES, AND RESPONSES (3)** LEC. 3. Examine hunger as a complex issue of sustainable human development. Topics include causes and consequences of domestic and global hunger and potential solutions. Credit will not be given for both HUSC 2000 and HUSC 2007.

**HUSC 2007 HONORS HUNGER: CAUSES, CONSEQUENCES, AND RESPONSES (3)** LEC. 3. Pr. Honors College. Examine hunger as a complex issue of sustainable human development. Topics include causes and consequences of domestic and global hunger and potential solutions. Credit will not be given for both HUSC 2000 and HUSC 2007.

**HUSC 2500 LIFE DESIGN & DEVELOPMENT (3)** LEC. 3. LAB. 0, LEC. 0. Examine how design thinking can help create a life that is both meaningful and fulfilling, regardless of who or where you are. Students will be able to apply design thinking mindsets to themselves, their community, and the world around them.

**HUSC 2940 STUDY ABROAD IN HUMAN SCIENCES (1-6)** AAB. Departmental approval. This course introduces incoming students with opportunities to reach beyond the classroom to study topics that are relevant to human sciences and quality of life issues. Application required.

**HUSC 3380 STUDY ABROAD OPPORTUNITIES IN HUMAN SCIENCES (0-2)** LEC. 2. Pre-departure orientation for student participating in the Joseph S. Bruno Auburn Aboard program in Ariccia, Italy. 2.25 GPA, 19 or older and admission to the JSBAII program required. Course may be repeated for a maximum of 2 credit hours.

**HUSC 3970 SPECIAL TOPICS IN HUMAN SCIENCES (1-3)** LEC. 1-3. Special Topics in Human Sciences Course may be repeated for a maximum of 6 credit hours.

**HUSC 4000 HUNGER STUDIES CAPSTONE (3)** LEC. 3. Pr. HUSC 2000 or HUSC 2003 or HUSC 2007. Examination of global and domestic hunger issues from multidisciplinary perspectives.

**HUSC 4010 CHS AT AU IN ITALY: INTEGRATED GLOBAL STUDIES (6)** LEC. 6. Pr. HUSC 3380. Departmental approval. Coreq. HUSC 3380 and HUSC 4380 and HUSC 4940. Multi-faceted cultural experience focused on individuals/families in the context of history and Italian culture. 2.25 GPA, 19 or older and admission to the JSBAII program.

**HUSC 4380 CHS AT AU IN ITALY: STUDY AND TRAVEL (2)** AAB/FLD. 2. Pr. HUSC 3380. Coreq. HUSC 4940 and HUSC 4010 and HUSC 3380. Broaden world views, increase cultural awareness, and demonstrate an ability to function globally or in a global environment through the Auburn Abroad in Italy program. 2.25 GPA required. Students must be 19 or older and accepted into the JSBAII program.

**HUSC 4480 GLOBAL STUDY TRAVEL IN HUMAN SCIENCES (1-12)** AAB. Sophomore/Junior/Senior Standing or Departmental approval application required. Student international study travel to study topics relevant to human sciences and quality of life issues. Course may be repeated for a maximum of 12 credit hours.

**HUSC 4940 CHS AT AU IN ITALY: DIRECTED FIELD EXPERIENCES (6)** AAB/FLD. 6. Pr. HUSC 3380. Coreq. HUSC 4380 and HUSC 3380 and HUSC 4010. Supplemental lectures for HUSC 4010 provided through field trips and participation in Italian culture experiences. 2.25 GPA required. Student must be 19 years old or older and admitted to the JSBAII program.

**HUSC 4980 UNDERGRADUATE RESEARCH IN HUMAN SCIENCES (1-3)** LAB. 1-3, RES. 1-3. Undergraduate research in the human sciences Course may be repeated for a maximum of 6 credit hours.

**HUSC 5930 SOCIETY AND HEALTH (3)** LEC. 45. This course provide an overview of population-level theories of health and introduces students to concepts in society and health, with a focus on major themes related to social determinants of health and health inequities. May count either HUSC 5930 or HDFS 5930.

**HUSC 5940 STUDY AND TRAVEL IN HUMAN SCIENCES (1-12)** AAB/LEC. Pr. 2.25 GPA. Provide students with opportunities to reach beyond the classroom to study topics that are relevant to human sciences and quality of life issues. Application required; additional requirements may apply. Course may be repeated for a maximum of 12 credit hours.

**HUSC 5950 SEMINAR ON HEALTH ECOLOGY AND EQUITY (3)** LEC. 3. This is a seminar course that features distinguished lecturers. This course provides knowledge on special topics in health ecology and equity, delving into specific research programs. May count either HUSC 5950 or HDFS 5950.

**HUSC 6930 SOCIETY AND HEALTH (3)** LEC. 45. This course provides an overview of population-level theories of health and introduces students to concepts in society and health, with a focus on major themes related to social determinants of health and health inequities. May count either HUSC 6930 or HDFS 6930.

**HUSC 6940 STUDY AND TRAVEL IN HUMAN SCIENCES (1-6)** AAB/LEC. Provide students with opportunities to reach beyond the classroom to study topics that are relevant to human sciences and quality of life issues. Application required; additional requirements may apply. Course may be repeated for a maximum of 6 credit hours.

**HUSC 6950 SEMINAR ON HEALTH ECOLOGY AND EQUITY (3)** SEM. 3. This is a seminar course that features distinguished lecturers. This course provides knowledge on special topics in health ecology and equity, delving into specific research programs. May count either HUSC 6950 or HDFS 6950.

**HUSC 7910 CHS STUDY ABROAD PROGRAM ADMINISTRATION PRACTICUM (1-6)** AAB/PRA. 1-6. SU. Departmental approval. Graduate status and acceptance as a GTA for a CHS Study Abroad Program. Directed practical experience administering an undergraduate study abroad program. 2.25 GPA required. Students must be 19 or older.

## Nutrition Courses

**NTRI 2000 NUTRITION AND HEALTH (3)** LEC. 3. Principles of human nutrition and food choices related to the health of individuals. Credit will not be given for both NTRI 2000 and NTRI 2007.

**NTRI 2007 HONORS NUTRITION AND HEALTH (3)** LEC. 3. Pr. Honors College. Principles of human nutrition and food choices related to the health of individuals. Topics similar to NTRI 2000 but covered in greater depth with classroom discussion of controversial topics. Credit will not be given for both NTRI 2000 and NTRI 2007.

**NTRI 2010 BASIC SPORTS NUTRITION (3)** LEC. 3. Pr. (BIOL 1020 or BIOL 1027) or (NTRI 2000 or NTRI 2003 or NTRI 2007 or NUFS 2000 or NUFS 2003 or NUFS 2007). An introductory course on the relationship between nutrition and sports performance. Topic areas to be covered include energy, carbohydrates, protein/amino acids, fluids, vitamins, minerals, body weight and supplement use as they directly relate to sports performance.

**NTRI 2070 CAREERS IN NUTRITION, DIETETICS AND WELLNESS (1)** LEC. 1. Pr. NTRI 2000 or NTRI 2003 or NTRI 2007 or NUFS 2000 or NUFS 2003 or NUFS 2007. Professional roles and responsibilities in nutrition, dietetics, and wellness with emphasis on careers professional development and conduct.

**NTRI 3560 EXPERIMENTAL STUDY OF FOODS (4)** LEC. 3. LAB. 3. Pr. (NTRI 2000 or NTRI 2003 or NTRI 2007) or (NUFS 2000 or NUFS 2003 or NUFS 2007) and (BIOL 1020 or BIOL 1027) and CHEM 1030 or Departmental approval. Experimental approach to the chemistry to food including composition, preparation, recipe modification, food quality, sanitation, processing, and food laws.

**NTRI 3750 NUTRITION EDUCATION (2)** LEC. 2. Pr. (PSYC 2010 or PSYC 2013 or PSYC 2017) and (NTRI 2000 or NTRI 2003 or NTRI 2007) or (NUFS 2000 or NUFS 2003 or NUFS 2007). A variety of perspectives and strategies designed to facilitate dietary behaviors conducive to health and well-being.

**NTRI 3940 COMMUNITY SERVICE (3-9)** LEC. 1. LAB. 6. Departmental approval. Application of NTRI-related knowledge to real-life situations through participation in directed community service experiences. A) nutrition; B) hospitality; C) general NTRI. Course may be repeated for a maximum of 9 credit hours.

**NTRI 4090 PROFESSIONAL ISSUES IN DIETETICS AND NUTRITION (1)** LEC. 1. SU. Pr. NTRI 2070 or NTRI 2077. NTDI or departmental approval. Junior standing. Professional issues and trends affecting dietetics and nutrition practice; planning for professional advancement; includes externship.

**NTRI 4560 FOOD SYSTEMS OPERATIONS (2)** LEC. 2. Pr. NTRI 2050 or NTRI 3560 or NUFS 2050 or NUFS 3560 or Departmental approval. Principles for managing resources required in planning, purchasing, preparing and serving high quality food in food service operations.

**NTRI 4561 FOOD SYSTEMS OPERATIONS LAB (2)** LAB. 4. Pr. NTRI 2050 or NTRI 3560 or Departmental approval. Coreq. NTRI 4560. Laboratory experience in food service operations. Food safety certification is included. TB test.

**NTRI 4580 FOOD AND CULTURE (2)** LEC. 2. Departmental approval. Cultural and social factors affecting food habits and nutritional status of populations throughout the world.

**NTRI 4620 PUBLIC HEALTH NUTRITION (3)** LEC. 3. Pr. NTRI 4820 and NTRI 4830. Population-focused approaches that facilitate healthy diets through policy development and environmental changes.

**NTRI 4820 MACRONUTRIENTS (3)** LEC. 3. Pr. (NTRI 2000 or NTRI 2003 or NTRI 2007 or NUFS 2000 or NUFS 2003 or NUFS 2007) and P/C BCHE 3180 and BIOL 2510 or Departmental approval. Physiological and biochemical basis for energy-yielding nutrients; structure, function, dietary requirements, digestion, absorption, transport and metabolism of macronutrients.

**NTRI 4830 VITAMINS AND MINERALS (3)** LEC. 3. Pr. (NTRI 2000 or NTRI 2003 or NTRI 2007 or NUFS 2000 or NUFS 2003 or NUFS 2007) and P/C BCHE 3180. Metabolism, dietary needs, deficiency symptoms and food sources of vitamins and minerals in humans.

**NTRI 4930 DIRECTED STUDIES (1-8)** AAB/IND. Departmental approval. Independent reading or research in a content area of special interest; supervised by a faculty member. Course may be repeated for a maximum of 8 credit hours.

**NTRI 4970 SPECIAL TOPICS (1-3)** LEC. Departmental approval. A) Nutrition, B) Hotel and Restaurant Management. A course offering unique or current issues not covered in a regularly scheduled course. Course may be repeated for a maximum of 6 credit hours.

**NTRI 4980 UNDERGRADUATE RESEARCH AND STUDY (1-9)** AAB/IND. Departmental approval. Directed research under faculty supervision. Course may be repeated for a maximum of 9 credit hours.

**NTRI 4997 HONORS THESIS (1-3)** IND. SU. Pr. Honors College. Departmental approval. Research in specialized topics. Course may be repeated for a maximum of 3 credit hours.

**NTRI 5020 MEDICAL NUTRITION I (4)** LEC. 3. LAB. 2. Pr. NTRI 4820 and NTRI 4830. Coreq. NTRI 4090. NTDI or departmental approval. Applications of nutrition assessment and medical nutrition therapy to the pathophysiological changes associated with endocrine and gastrointestinal disorders. May count either NTRI 5020 or NTRI 6020.

**NTRI 5030 MEDICAL NUTRITION II (4)** LEC. 3. LAB. 2. Pr. NTRI 5020 or NTRI 6020. NTDI or departmental approval. Medical nutrition therapy for diseases of the cardiovascular, renal, and respiratory systems; oncology; critical care; and conditions of infancy/childhood. May count either NTRI 5030 or NTRI 6030.

**NTRI 5100 NUTRITION IN DISEASE PREVENTION (2)** LEC. 2. Pr. P/C NTRI 4820 and P/C NTRI 4830. The functions, safety, and efficacy of selected nutrients and herbs in the prevention and/or treatment of selected diseases/conditions.

**NTRI 5380 STUDY/TRAVEL IN NUTRITION, DIETETICS AND HOSPITALITY MANAGEMENT (1-6)** AAB/FLD. Departmental approval. Concentrated study in nutrition, food science, or hotel and restaurant management in the US or international locations. Course may be repeated for a maximum of 6 credit hours.

**NTRI 5560 NUTRITION AND FOOD SERVICE MANAGEMENT (3)** LEC. 3. Pr. (P/C NTRI 4560 or P/C NTRI 4561). Organization, management and marketing of food and nutrition service systems in health care facilities. Credit will not be given for both NTRI 5560 and NTRI 6560.

**NTRI 5760 NUTRITION COUNSELING (2)** LEC. 2. Pr. NTRI 3750 and (P/C NTRI 5030 or P/C NTRI 6030). NTDI or departmental approval. Application of counseling techniques, with an emphasis on Motivational Interviewing, to facilitate behavior change. May count either NTRI 5760 or NTRI 6760.

**NTRI 5820 NUTRITION IN THE LIFE CYCLE (3)** LEC. 3. Pr. NTRI 4830 or NUFS 4830 or NUFS 4833. Departmental approval. Metabolic and clinical aspects of nutrition during key periods of the life cycle emphasizing pregnancy, infancy, adolescence and late adulthood. Credit will not be given for both NTRI 5820 and NTRI 6820.

**NTRI 5830 NUTRITIONAL GENOMICS (3)** LEC. 3. Pr. (NTRI 4820 or NUFS 4820 or NUFS 4830 or NUFS 4833) and NTRI 4830. Principles of nutrient-gene interactions and how these interactions influence human health and disease. May count either NTRI 5830 or NTRI 6830.

**NTRI 5910 CLINICAL PRACTICUM IN DIETETICS (1)** PRA. 3. SU. NTDI or department approval. Application of the practice of dietetics in a clinical or community setting.

**NTRI 6020 MEDICAL NUTRITION I (4)** LEC. 3. LAB. 2. Pr. (NTRI 4820 or NUFS 4820 or NUFS 4830 or NUFS 4833) and NTRI 4830. Applications of nutrition assessment and medical nutrition therapy to the pathophysiological changes associated with endocrine and gastrointestinal disorders. May count either NTRI 5020 or NTRI 6020.

**NTRI 6030 MEDICAL NUTRITION II (4)** LEC. 3. LAB. 2. Pr. (NTRI 5020 or NTRI 6020). Coreq. NTRI 6760. Medical nutrition therapy for diseases of the cardiovascular, renal, and respiratory systems; oncology; critical care; and conditions of infancy/childhood. May count either NTRI 5030 or NTRI 6030.

**NTRI 6100 NUTRITION IN DISEASE PREVENTION (2)** LEC. 2. Pr. (NTRI 5820 or NUFS 5820 or NUFS 4830 or NUFS 4833) and NTRI 4830. The functions, safety, and efficacy of selected nutrients herbs in the prevention and/or treatment of selected diseases/conditions. May count either NTRI 5100 or NTRI 6100.

**NTRI 6380 STUDY/TRAVEL IN NUTRITION, DIETETICS AND HOSPITALITY MANAGEMENT (1-6)** AAB/FLD. Departmental approval. Concentrated study in nutrition, food science, or hotel and restaurant management in the US or international locations. Course may be repeated for a maximum of 6 credit hours.

**NTRI 6560 NUTRITION AND FOOD SERVICE MANAGEMENT (3)** LEC. 3. Pr. NTRI 4560 or NTRI 4561. Organization, management and marketing of food and nutrition service systems in health care facilities. Credit will not be given for both NTRI 6560 and NTRI 5560.

**NTRI 6620 SPORTS NUTRITION (3)** LEC. 3. Pr. BIOL 2510 and BCHE 3180. Departmental approval. Relationships between energy, carbohydrates, proteins, fluids, vitamins, minerals, body weight, ergogenic aids and physical performance. Credit will not be given for both NTRI 6620 and NTRI 5620.

**NTRI 6760 NUTRITION COUNSELING (2)** LEC. 2. Pr. NTRI 3750 and NUFS 3750. Coreq. NTRI 6030 and NTRI 5030. Application of counseling techniques, with an emphasis on Motivational Interviewing, to facilitate behavior change. May count either NTRI 5760 or NTRI 6760.

**NTRI 6820 NUTRITION IN THE LIFE CYCLE (3)** LEC. 3. Pr. NTRI 4830 or NUFS 4830 or NUFS 4833. Departmental approval. Metabolic and clinical aspects of nutrition during key periods of the life cycle emphasizing pregnancy, infancy, adolescence and late adulthood. Credit will not be given for both NTRI 6820 and NTRI 5820.

**NTRI 6830 NUTRITIONAL GENOMICS (3)** LEC. 3. Principles of nutrient-gene interactions and how these interactions influence human health and disease.

**NTRI 7010 ADVANCED PRACTICUM IN DIETETICS (1-9)** DSL/LEC. SU. DPD verification statement. Enrollment in Masters in Nutrition Program or department approval. Supervised practical experience in clinical, food service, and community settings for development of entry-level skills for the registered dietitian. Course may be repeated for a maximum of 9 credit hours.

**NTRI 7050 METHODS OF RESEARCH (2)** LEC. 2. Departmental approval. Research methods and designs applicable to disciplines represented in nutrition dietetics and hospitality management.

**NTRI 7280 LABORATORY METHODS IN FOOD SCIENCE AND NUTRITION (3)** LEC. 2. LAB. 3. Departmental approval. Modern laboratory techniques and instruments used in human nutrition and food science research.

**NTRI 7500 MINERALS (3)** LEC. 3. Departmental approval. Sources, digestion, absorption, transport, function and metabolism of major and trace minerals in the human body.

**NTRI 7510 VITAMINS (3)** LEC. 3. Departmental approval. Advanced study of metabolism, requirements, interactions and deficiencies of the fat and water soluble vitamins as related to humans.

**NTRI 7520 MACRONUTRIENTS: INTEGRATION AND METABOLISM (4)** LEC. 4. Advanced study of energy metabolism, digestion, absorption, transport and integrative metabolism of macronutrients.

**NTRI 7530 HUMAN NUTRIENT METABOLISM (4)** LEC. 4. Advanced study of nutrition and metabolism, as related to humans. Department approval. Credit will not be given for both NTRI 7530 or NTRI 7536 once developed, or BCHE 6180 and BCHE 6190, and/or BCHE 7200.

**NTRI 7850 RESEARCH SEMINAR FOR MASTER'S PROGRAM (1)** DSL/SEM. 1. Departmental approval. Current topics in nutrition, dietetics and hospitality management presented by M.S. graduate students.

**NTRI 7910 PRACTICUM IN NUTRITION AND DIETETICS (1-12)** PRA. SU. Departmental approval. Application of principles and theories of nutrition in a professional setting. No more than three hours may count toward a graduate degree. Course may be repeated for a maximum of 12 credit hours.

**NTRI 7930 ADVANCED INDEPENDENT STUDY (1-6)** DSL/IND. Departmental approval. Advanced reading or research approved and supervised by a faculty member. Course may be repeated for a maximum of 6 credit hours.

**NTRI 7960 SPECIAL PROBLEMS (1-5)** DSL/IND. Departmental approval. Critical analysis of classic and current research. Course may be repeated for a maximum of 10 credit hours.

**NTRI 7980 NONTHESIS RESEARCH (1-6)** DSL/RES. SU. Departmental approval. In-depth work in a particular project related to hotel and restaurant management. Course may be repeated for a maximum of 6 credit hours.

**NTRI 7990 RESEARCH AND THESIS (1-10)** MST. Departmental approval. Research in an area of specialization. Course may be repeated with change in topics.

**NTRI 8850 RESEARCH SEMINAR FOR DOCTORAL PROGRAM (1-2)** SEM. Departmental approval. Required for doctoral students in nutrition and hospitality management. Advanced topics in nutrition and food science presented by doctoral students. Course may be repeated for a maximum of 2 credit hours.



**NTRI 8910 SUPERVISED TEACHING (1)** AAB/IND. 1. Departmental approval. Practical experience teaching in the classroom. Course may be repeated for a maximum of 3 credit hours.

**NTRI 8970 ADVANCED TOPICS IN NUTRITION, DIETETICS AND HOSPITALITY MANAGEMENT (1-6)** DSL/LEC. Departmental approval. A) Nutrition, B) Hotel and Restaurant Management. Course may be repeated for a maximum of 6 credit hours.

**NTRI 8990 RESEARCH AND DISSERTATION (1-10)** AAB/DSR. Departmental approval. Research in an area of specialization. Course may be repeated with change in topics.