

HUMAN ECOLOGY • HUEC

In the School of Human Ecology, the third digit of the course number denotes the subject area of the course as follows: 1 and 2 -human nutrition and food; 3 and 4 -apparel, textiles and merchandising; 5 and 6 -family, child, and consumer sciences; 9 and 0 -general courses (except 7094 which is a nutrition course).

GENERAL HUMAN ECOLOGY

- 1000 Human Ecology as a Profession (3)** Attributes that identify human ecology as a profession; historical and philosophical view of its mission, interrelationship of its various specializations, and competencies and commitments necessary in the various specializations.
- 2091 Special Topics in Human Ecology (1-3)** Prereq.: consent of director for majors in human ecology. May be taken for a max. of 6 hrs. of credit when topics vary. Contemporary issues in human ecology of interest to special professional and business groups.
- 3091 Reading and Research in Human Ecology (1-6)** Open to advanced students of high academic standing by consent of director. May be taken for a max. of 6 hrs. of credit. Students are responsible for registering with a faculty member with whom they will select the area of reading and research.
- 4091 Special Topics in Human Ecology (1-3)** Prereq.: consent of director. May be taken for credit for a max. of 6 sem. hrs. when topics vary. Lectures and/or laboratories on selected topics not covered in other human ecology courses.
- 7090 Research Methods in Human Ecology (3)** Philosophy of human ecology research; issues and trends; design and methodology.
- 7091 Independent Reading and Research in Human Ecology (1-6)** Prereq.: permission of department. May be taken for a max. of 6 hrs. of credit. Directed individual reading and research in a selected area of human ecology.
- 7092 Human Ecology Research Seminar (1) F,S** Required of all doctoral students in human ecology during each semester of full-time residence. Only 3 sem. hrs. of credit may be applied toward the degree. May be taken for a max. of 3 sem. hrs. of credit. "P"/"F" grading. Research reports and discussion of current topics and issues in human ecology.
- 7093 Advanced Research Methods in Human Ecology (3)** Prereq.: HUEC 7090 or equivalent and EXST 7013 or 7014 or 7015 or equivalent. 2 hrs. lecture; 2 hrs. lab. Research methods and applications in human ecology.
- 7900 Research and Project Development in Human Ecology (1-12)** Credit will not be given for this course and HUEC 8000. May be repeated for a max. of 15 sem. hrs. credit. "S"/"U" grading. Directed research and focused project development under the supervision of the major professor.
- 8000 Thesis Research (1-12 per sem.)** Prereq.: permission of department. "S"/"U" grading.
- 9000 Dissertation Research (1-12 per sem.)** Prereq.: permission of department. "S"/"U" grading.
- 9091 Independent Research for Doctoral Students (1-6 per sem.)** Prereq.: must be a doctoral student and have consent of instructor and approval of the student's full doctoral committee for each repetition of the course. This course may be repeated for credit; a max. of 15 sem. hrs. is allowed toward doctoral requirements. Credit in HUEC 7091 is included in the 15 sem. hrs.

FAMILY, CHILD, AND CONSUMER SCIENCES

- 2050 Family Dynamics (3) F** A systems approach to examining family processes and development throughout the life span.
- 2061 The Family in a Consumer Society (3)** An introduction and overview of family consumer opportunities and problems in contemporary society.
- 2065 Management of Family Systems and Services (3)** Prereq.: credit or registration in HUEC 1000. A systems perspective of contemporary families and their processes including environmental influences, elements of family management, and management of school and community resources and services.
- 2083 Introduction to Early Childhood Education (3)** An introduction to the field of early childhood education (ECE), encompassing the years from birth through age eight.
- 3055 Development of Young Children in Context (4)** Prereq.: BIOL 1001. 3 hrs. lecture; 2 hrs. field observations. Development of children from prenatal to age eight in the family and other developmental contexts; field observations with infants and toddlers, observations and practical experience in the School of Human Ecology's Preschool Laboratory and in other early childhood settings.
- 3056 Young Children's Cognitive and Linguistic Development (3)** Prereq.: HUEC 3055. An introductory survey of current theory and research on young children's cognitive and linguistic development; special attention is given to the development of oral language, reading skills, and mathematical concepts in young children; emphasis on implications for the early childhood education classroom.
- 3057 Learning Environments for Infants, Toddlers, and Preschool Children (3)** Prereq.: HUEC 2065, 2083, and 3055; 2 hrs. lecture; 3 hrs. lab. Planning and preparing environments and learning experiences to support optimal physical, social, emotional, and cognitive development of young children.
- 3060 Family Finance (3)** Prereq.: ECON 2030 or AGECE 2075 or equivalent. Development of bases for decision making related to family income, saving, and spending.
- 3065 Adult-Child Relationships (3) S** Prereq.: HUEC 2050. Parent-child and other adult-child interactions and relationships; emphasis on the development and interactive nature of adult-child relationships including the influence of adult-child relationships on child outcomes and adult behavior.
- 3067 Field Experience in Family, Child, & Consumer Science (1-4)** Prereq.: HUEC 2050 or 2065. 2-8 hrs. field experience per week. For majors only. May be taken for a max. of 4 sem. hrs. credit. Supervised professional experience designed to integrate academic learning with practice.
- 3070 Contemporary Housing Issues (3) F** Prereq.: HUEC 2065 and SOCL 2001 or ANTH 1003. Housing issues and problems; solutions to the housing problems including government policies and government, nonprofit, and collaborative programs.
- 3090 Professional Seminar in Family, Child, and Consumer Sciences (2)** Prereq.: at least 2 cr. hrs. of HUEC 3067. For majors only. Pre-internship seminar; the family, child, and consumer scientist in today's society.
- 3381 PK/K Curriculum (3)** Prereq.: membership in PK-3 teacher education program and concurrent enrollment in HUEC, 3055, 3382, and 3383. Comprehensive integrated curriculum content for children in pre-kindergarten and kindergarten: reading/language arts, mathematics, science, social studies, and the arts.
- 3382 PK/K Pedagogy (3)** Prereq.: membership in the PK-3 teacher education program and concurrent enrollment in HUEC 3055, 3381, and 3383. 2 hrs. lecture; 3 hrs. lab/field experience in multi-level, multicultural settings. Ways of instructing children in pre-kindergarten and kindergarten.
- 3383 Assessment and Planning for Reflective Instruction (3)** Prereq.: enrollment in PK-3 teacher education program (HUEC 1000, HUEC 2083, HUEC 2065, MATH 1202, EDCI 1000, EDCI 2081, EDCI 2030, EDCI 2700, ELRC 2507), and concurrent enrollment in HUEC 3055, HUEC 3381, and HUEC 3382. 2 hrs. lecture; 6 hrs. lab/field experience in multi-level, multi-cultural settings. Process of building the teaching and learning cycle (assessing, planning, teaching, reflecting) into integrated instruction of children in pre-kindergarten and kindergarten.
- 4051 The Adolescent and the Family (3)** Prereq.: HUEC 3055 or equivalent. Growth, development, and guidance of the adolescent in the home, family, and community.
- 4052 Families: Policy and Law (3)** Prereq.: POLI 2051 or 2070 or HIST 3071 or GEOG 4001 or equivalent. Marriage and family as legal institutions; history and development of family law principles; overview of the public policy process; emphasis on family policy issues.
- 4055 Principles and Practices in Kindergarten Education (3)** Prereq.: HUEC 3055 or PSYC 2076; 2.50 gpa required for registration; same as EDCI 4055. Classroom organization and instructional management using preacademic objectives for the kindergarten as an entry point into the elementary school.
- 4056 Foundations of Reading Concept Development (3)** Prereq.: HUEC 3055 or PSYC 2076, and EDCI 3000. 2.50 gpa required for registration. Experiences in the School of Human Ecology Preschool Laboratory; theories, processes, and models for the young children's concept formation; social and physical environmental factors of the family, the preschool, and society affecting cognitive processes and preparedness for reading.
- 4057 Methods of Teaching Nursery School and Kindergarten (3)** Prereq.: HUEC 3055 or PSYC 2076; 2.50 gpa required for registration; 2 hrs. lecture; 2 hrs. lab. Same as EDCI 4057. Essentials needed for successful involvement with children from various socioeconomic and cultural groups at the nursery/kindergarten level; philosophy, teaching methods, and materials providing optimum learning experiences for the child under six.
- 4058 Student Teaching in the Kindergarten (5)** Prereq.: prior application, EDCI/HUEC 4057, and credit or registration in EDCI/HUEC 4055 for undergraduates; credit or registration in EDCI/HUEC 4055 for students with elementary certification. 40 hrs. practicum. 2.50 or better gpa required for registration. Same as EDCI 4058. Supervised experiences in planning and guiding children's activities in kindergarten programs for varied cultural groups and socioeconomic levels.
- 4059 Student Teaching in the Nursery School and Other Early Childhood Settings (5)** Prereq.: prior application required; EDCI 3200, HUEC 4056, and HUEC/EDCI 4057; and credit or registration in HUEC/EDCI 4055; 2.50 or better gpa required for registration. 40 hrs. practicum. Supervised experiences in planning and guiding children's activities in nursery school and other early childhood programs for varied cultural groups and socioeconomic levels.
- 4060 Organization and Administration of Early Childhood Programs (3)** Prereq.: HUEC/EDCI 4057 or equivalent; 2.50 gpa required for registration. Historical, cultural, and philosophical foundations; finances, budgeting, staff duties, policies and legal aspects, equipment and physical plant, parent education and communication, public relations.
- 4062 Families and Consumer Law (3)** Prereq.: HUEC 2061. Advanced study of federal and state "consumer bills," one's legal status as a family member; effectiveness of warranties and the judicial process regarding consumers' rights; responsibilities delegated to consumers.
- 4064 Family Stress Management (3)** Prereq.: HUEC 2065 or consent of instructor. Strategies used by families to manage stress; current family stress management theory and research.

- 4065 Family Life Education (3) S** Prereq.: HUEC 2061 or 3065 or consent of instructor. Overview of family life education history, philosophy, and topics; planning, implementation, and evaluation of family life education programs in diverse settings.
- 4067 Internship in Family, Child, and Consumer Sciences (8)** Prereq.: HUEC 3090 and 4 cr. hrs. in HUEC 3067. 2 hrs. lecture; 12 hrs. practicum. For majors only, senior standing. Application must be made at the school one semester prior to proposed enrollment. Supervised professional observation and experience in family, child, or consumer sciences.
- 4381 Student Teaching: Practice and Reflection in PK/K (12)** Prereq.: EDCI 3481, 3482, and 3483; concurrent enrollment in HUEC 4382. 4 hrs. lecture; 24 hrs. lab/field experience in multi-level, multicultural settings. Designed to partially fulfill student teaching requirements and to prepare students to be effective classroom teachers in PK/K settings.
- 4382 Critical Issues in Early Childhood Education (3)** Prereq.: EDCI 3481, 3482, and 3483; concurrent enrollment in HUEC 4381. Historical and contemporary perspectives on developmental, sociocultural, and pedagogical issues in early childhood education.
- 7050 Research Seminar in Family, Child, and Consumer Sciences (1)** May be taken for a max. of 2 hrs. of credit when topics vary. Reports and discussion of current literature and research.
- 7051 The Contemporary Family (3)** Effects of change on family integration; adaptive responses in family lifestyles, roles, and relationships to political, social, and technological change.
- 7052 Topics and Issues in Family and Consumer Sciences (3)** May be taken for a max. of 6 sem. hrs. of credit when topics vary. Lectures and research on topics not covered in other family or consumer science courses.
- 7053 Infant Behavior and Development (3)** Infant personality, development, and socialization; major transactions in the infant's life; family and home; child-care facilities and caregivers; support systems within larger societies.
- 7054 Child Guidance and Behavior (3)** Prereq.: HUEC 7056 or consent of instructor. Normal, age-related behavior patterns; child guidance practices and their consequences; techniques and procedures for successful parenting and for improved classroom management; theoretical bases.
- 7055 Human Development (3)** Prereq.: consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary. Dynamics of human development and practical implications.
- 7056 Theories of Child Development (3)** Research and theory in child development; relation to the major domains in the child's ecology: child development, the family, services, and the environment.
- 7057 Theories in Family Science (3)** Historical and contemporary theories and conceptual frameworks in family science.
- 7058 Adulthood and Aging (3)** Prereq.: HUEC 4050 and 7051; or equivalent. The lifespan, with emphasis on adulthood; early and middle adulthood, and old age.
- 7059 Parent Involvement in Early Childhood Education (3)** 2 hrs. lecture; 2 hrs. lab. Interpersonal relationships and involvement of parents in early childhood education programs; research and existing models of parent involvement.
- 7061 The Consumer in the Economy (3)** Interrelationships among consumer knowledge and responsibility of the family, consumer legislation and protection, and competitive market processes.
- 7062 Family Financial Counseling (3)** Personal, social, and legal climates affecting family financial decisions; skills designed to assist families to become self-sufficient in money management.
- 7063 Economics of Aging (3)** Determinants and components of the financial status and economic well-being of the elderly household; income, investment, insurance, grants, taxation, assets, time use, resource management, and techniques used to examine these components.
- 7065 Management of Family Resources (3)** Individual and family resources, including identification and evaluation; principles of resources and management satisfaction for individuals and families.
- 7843 Early Childhood Education (3)** See EDCI 7843.

HUMAN NUTRITION AND FOOD

- 1021 Dietetics as a Career (1)** For dietetics majors only or by consent of instructor. Introduction to the dietetics major at LSU and the dietetic profession; strategies for future practice; development of a professional portfolio.
- ★ 2010 Nutrition in Health (3)** Prereq.: CHEM 1001 or 1201 or BIOL 1001 or 1201. Principles of nutrition and their application in promoting health; guidelines for assessing nutritional status; emphasis on the adult.
- 2014 Food Fundamentals (4) F,S** Prereq.: credit or registration in HUEC 2010. 3 hrs. lecture; 3 hrs. lab. For majors and minors only or consent of instructor. Principles of food selection, preparation, and management.
- 2019 Nutrition Education and Counseling (3) S** Prereq.: HUEC 2110. Not for teacher certification. Includes a service-learning component. Nutrition education and counseling skills needed for serving ethnically diverse individuals and groups.
- 2110 Methods of Nutritional Assessment (3)** Prereq.: HUEC 2010. For nutritional sciences majors and minors only, or consent of instructor. Assessment of nutritional status including dietary intake, body composition, risks of chronic diseases and laboratory analysis using appropriate software, including interpretations of nutritional status indicators and practice of nutritional counseling for general risk reduction of chronic diseases.
- 3010 Nutrition and Wellness (3) F** Prereq.: HUEC 2010 and BIOL 1202 or 2160 or KIN 2500 or equivalent. Relationship of life-style and wellness; consumer issues and their impact on health; counseling for change.
- 3012 Human Nutrition During the Life Cycle (3) F** Prereq.: HUEC 2010 and BIOL 1202 or 2160; or permission of instructor. Nutritional needs during pregnancy, infancy, early childhood, adolescence, adulthood, and later years.
- 3019 Quantity Food Production and Management (3) F** Prereq.: HUEC 2014, and credit or registration in BIOL 1011 or equivalent. Principles of quantity food procurement, production, distribution, and service; menu development; sanitation and safety; materials and resources management; distribution and service.
- 3021 Quantity Food Production Laboratory (2)** Prereq.: credit or registration in HUEC 3019. 4 hrs. lab. Principles of quantity food production illustrated by demonstrations, observations, studies, and laboratories; use and care of quantity production equipment; sanitation and safety; materials and resources management; distribution and service.
- 3116 Public Health Nutrition (3)** Prereq.: HUEC 2019, or consent of instructor. Public health policies and programs; and designing, assessing, implementing, and evaluating community nutrition programs.
- 4010 Human Nutrition (3) F** Prereq.: grade of C or better in BIOL 2160 or 2153 and BIOL 2083 or 4087 or KIN 3515. Energy metabolism and the functions, requirements, and food sources of nutrients.
- 4011 Medical Nutrition Therapy I (3) F** Prereq.: grade of C or better in BIOL 2160 or 2153 and in BIOL 2083 or 4087 or equivalent; HUEC 2110; credit or registration in HUEC 3012, 4010, or consent of instructor. Nutrition assessment and interpretation; drug/nutrient interactions; genetics and inherited diseases; biochemical and physiological changes that occur in dental, gastrointestinal, and absorption abnormalities that require clinical diet modification.
- 4013 Applied Medical Nutrition Therapy I (2) F** Prereq.: HUEC 2019; credit or registration in HUEC 4011 or equivalent. 4 hrs. lab. Nutrition assessment; computer nutrient analysis; clinical diet modification relevant to biochemical and physiologic changes during inherited diseases; and dental, gastrointestinal, and absorption abnormalities that require clinical diet modification; emphasis on case studies.
- 4014 Medical Nutrition Therapy II (3) S** Prereq.: a grade of C or higher in HUEC 4011, or consent of instructor. Biochemical and physiological changes that occur in food allergy, AIDS, and immunological disorders, weight abnormalities, diabetes, cancer, and disorders of the heart or kidney, that require clinical diet modification; nutritional needs during surgery, trauma, and burns.
- 4016 Cultural Food Patterns (3) S** Prereq.: HUEC 2014, 2019; or consent of instructor. Cultural, religious, and historical influences on food, as it relates to nutrition, health, and diet counseling.
- 4017 Applied Medical Nutrition Therapy II (2) S** Prereq.: HUEC 4011, 4013, and credit or registration in HUEC 4014. 4 hrs. lab. Clinical diet modification relevant to food allergy, AIDS, and other immunological disorders, weight abnormalities, diabetes, cancer, and disorders of the heart or kidney; nutritional needs during surgery, trauma, and burns; quality assurance programs; emphasis on case studies.
- 4021 Contemporary Topics in Nutrition (1)** Prereq.: CMST 2060 or 2010; enrollment limited to students with senior standing who are majoring or minoring in nutritional sciences. May be taken for a max. of 2 hrs. credit when topics vary. Oral presentations of independent library or other research on selected contemporary issues in food, nutrition, dietetics, or food systems.
- 4023 Management in Dietetics (3) S** Prereq.: ACCT 2000; HUEC 3019; MGT 3200. Senior standing in dietetics major. Management theory and principles of planning, organizing, leading, and controlling; applications to food service systems, clinical dietetics, and community programs.
- 4027 Practicum in Dietetics (1-3)** Prereq.: dietetics majors only; 60 hrs. in dietetics curriculum; overall gpa of 2.50; and permission of instructor. Each hour of credit requires 60 hours of supervised experience. May be taken for a max. of 3 hrs. of credit. Supervised professional experience designed to integrate academic learning with practice in dietetics.
- 4110 Capstone in Nutritional Sciences (3) S** Prereq.: EXST 2201; HUEC 2019; credit or registration in HUEC 3116. Senior standing in nutritional sciences major. 2 hrs. lecture; 3 hrs. lab/field work. Research methods used in nutritional sciences; research project is included.

7000 Dietetic Internship (2-4) Prereq.: department approval, successful defense of the MS thesis. May be taken for a max. of 8 hrs. credit. Pass-fail grading.

Preprofessional field experience in clinical dietetics, food systems management, and community nutrition that meets the registration eligibility requirements of the American Dietetic Association.

7001 Macronutrients (3) Nutritional aspects of protein, lipids, and carbohydrates; deficiencies, interrelationships, requirements, and metabolic pathways.

7002 Topics in Micronutrients (2) May be taken for a max. of 8 sem. hrs. of credit when the topic varies. An integrated system approach to the importance and functions of vitamins and minerals in nutrition. Epidemiological to molecular aspects discussed.

7004 Molecular and Clinical Nutrition I (2) F Prereq.: BIOL 4087 or 4094 or permission of the coordinator. The development of current concepts of nutritional effects on health and disease through the use of cellular/molecular tools.

7005 Molecular and Clinical Nutrition II (2) F Prereq.: HUEC 7004. The development of current concepts of nutritional effects on health and disease through the use of cellular, molecular, genetic, and epidemiologic tools.

7010 Food and Nutrition Seminar (1) F May be taken for a max. of 6 hrs. of credit when topics vary. Reports and discussion of current literature and research.

7011 Current Advances in Food and Nutrition (1-4) May be taken for a max. of 9 sem. hrs. of credit when topics vary. Recent research and developments in food, nutrition, dietetics, or food systems.

7017 Advanced Human Nutrition (3) F Prereq.: HUEC 4010 and BIOL 4087, or consent of instructor. Human requirements, evaluation of nutritional status, and problems related to kind and amount of food consumed.

7019 Advanced Medical Nutrition Therapy (3) S Prereq.: HUEC 4014 or equivalent or consent of instructor. Progressive, updated information on medical nutrition therapy and intervention strategies in specific clinical diseases; rationale for biochemical and physiological bases of diseases.

7094 Seminar in Nutrition (1) S Same as FDSC 7094. May be taken for a max. of 2 hrs. of credit. Prereq.: ANSC 7091, DARY 7091, FDSC 7071, HUEC 7010, PLSC 7091 or equivalent or previous slide (not poster) presentation at a professional meeting.

TEXTILES, APPAREL, AND MERCHANDISING

2032 Introductory Apparel Design (4) Prereq.: majors only or permission of instructor. 2 hrs. lecture; 4 hrs. lab. The design process; art elements and principles applied to aesthetic, functional, and structural design of textile and apparel products; introduction to fashion illustration and computer-aided design.

2037 Apparel Structure and Fit (4) Prereq.: for students in the Apparel Design concentration only or consent of instructor; credit for or registration in HUEC 2041. 2 hrs. lecture; 4 hrs. lab. Fundamental principles of garment assembly and the relationships between garment design, fabric characteristics, and production processes; analysis of fit; alterations.

2040 Textile Science (3) F,S Basic physical, biological, and chemical characteristics of fibers, yarns, and fabrics; selection, maintenance, and performance of textiles.

2041 Textile Science Laboratory (1) F,S Prereq.: credit or registration in HUEC 2040. 3 hrs. lab. Introduction to basic physical and chemical testing of textiles.

2044 Early Experience in the Textile/Apparel Industry (1) 4 hrs. practicum; 32 hrs. of supervised experience. Pass-fail grading. Pre-internship work in a component of the textile/apparel industry. Arranged on individual basis for students with limited or no industry experience.

2045 The Fashion Industry (3) F,S Interrelationships of design, production, and distribution; historical aspects and cyclical nature of fashion.

3030 Field Study in Textiles, Apparel, and Retailing (3) May be taken for a max. of 6 hrs. of credit when field site varies. 2 hrs. lecture; 3 hrs. lab. Offered through Continuing Education. 28 hrs. of on-campus seminars. Fee to cover expenses. Structured educational experiences in major industry centers in the U. S. and abroad.

3032 Textile and Apparel Product Development (3) Prereq.: HUEC 2040, 2045. Processes and issues related to development of textiles and apparel products for consumers.

3037 Intermediate Apparel Product Design (4) Prereq.: HUEC 2037. 2 hrs. lecture; 4 hrs. lab. Principles and application of two-dimensional or flat pattern design; development of foundation blocks for use in designing various garment styles and details; conceptualization and execution of original garment design.

3042 Apparel Merchandise Buying and Management (3) Prereq.: majors only; HUEC 2045 and MATH 1022, MATH 1431 or EXST 2201. Concepts and theories in apparel buying and management; role and responsibilities of merchandise buyers; domestic and foreign merchandise resources and negotiation.

3043 Apparel Merchandising Strategies and Assortment Planning (3) Prereq.: majors only; HUEC 3042 and computer literacy; 2 hrs. lecture; 2 hrs. lab. Assortment planning and sales strategies; advanced quantitative concepts and procedures used in apparel buying; management and interpretation of data related to merchandising and sales.

3045 Visual Merchandising and Promotion Strategies (3) Prereq.: HUEC 2045. Display elements and techniques; visual merchandising; special events strategies; public relations; Internet promotions.

3230 Pattern Design with Computer Application (4) S Prereq.: HUEC 3037. 2 hr. lecture; 4 hrs. lab. Application of two-dimensional pattern making principles to varied garment styles and details; design and execution of original garment design; introduction to proprietary computer software.

3232 Apparel Design Studio (3) Prereq.: HUEC 2032, 2037, ART 1847 or 1848. 1 hr. lecture; 4 hrs. studio. Fashion illustration techniques; adaptation of inspirational themes to designs for diversified apparel markets; pre-portfolio development; use of an industry-specific CAD system.

4034 Textile and Apparel Product Evaluation (3) F,S Prereq.: HUEC 2041. 2 hrs. lecture; 2 hrs. lab. Fabric and apparel structure and their relationships to performance and end-use characteristics; textile and apparel product standards and specifications; standard test methods for evaluating physical, aesthetic comfort, performance, and functional aspects.

4037 Advanced Apparel Product Design (4) Prereq.: HUEC 3230. 2 hrs. lecture; 4 hrs. lab. Principles and application of three-dimensional pattern design.

4041 History of Textiles (3) S-O Cultural, functional, and technological developments of textiles by selected periods and countries.

4043 Advanced Textiles (3) F Prereq.: HUEC 2041. 2 hrs. lecture; 2 hrs. lab. Characteristics of natural and manufactured textile fibers; physical and chemical modifications to meet consumer needs; textile dyes and finishes; methods of fiber identification and chemical testing of textiles.

4044 Global Textile and Apparel Economics (3) F Prereq.: HUEC 3032, ECON 2030. Application and analysis of economic concepts and principles associated with the textiles and apparel industry; overview of global economics and contemporary trade policy.

4045 Synthesis: Textile and Apparel Product Processes (3) S Prereq.: HUEC 4037. 1 hr. lecture; 4 hrs. lab.

Multi-functional team approach to creative problem solving; apparel product design, development, evaluation, and presentation using advanced pattern making techniques and technology.

4046 Advanced Topics in Apparel Merchandising (3) F Prereq.: HUEC 3032 and 3043. Application of principles of product development, buying and management of apparel merchandise; current industry issues and trends; emphasis on theory and policy related strategies.

4047 Internship in Textiles, Apparel, and Merchandising (3 or 6) Su Prereq.: senior standing with a gpa of at least 2.30 on all HUEC classes taken at LSU and permission of department; participation in orientation workshop prior to enrollment. MKT 3401. Merchandising concentration: credit in HUEC 3043 and 3045; apparel design - concentration: credit in HUEC 3045, 3230, and 3232; textile science concentration: HUEC 4043. Each hour of credit requires 40 hrs. of supervised experience. Not for graduate credit. May be taken for a max. of 9 sem. hrs. of credit. Supervised professional experience designed to integrate academic learning with professional practice.

4070 Entrepreneurship in Human Ecology (3) S Prereq.: MKT 3401 or consent of instructor. Application of principles of entrepreneurship with an emphasis on home-based and/or microbusinesses; case studies of successful entrepreneurs.

4071 History of Dress and Adornment Prior to 1700 (3) Emphasis on styles of western civilization; how dress functions for individuals within culture and society; relationships of gender, environment, technology, economics, religion, and aesthetics to dress.

4072 History of Dress and Adornment After 1700 (3) Emphasis on styles of western civilization; how dress functions for individuals within culture and society; relationships of gender, environment, technology, economics, religion, and aesthetics to dress.

4078 Consumer Behavior in Fashion (3) Study of dress and appearance with emphasis on cultural, aesthetic, psychological, and marketing aspects. Meanings of dress and appearance, creation and diffusion of fashion and consumer culture, consumer characteristics, and fashion implications.

4232 CAD for Textiles and Apparel (3) Prereq.: HUEC 3232. 1 hr. lecture; 4 hrs. lab. Application of computer-aided design technology to the design and presentation of textile and apparel collections.

7031 Social-Psychological Theories of Dress, Appearance, and Fashion (3) S Examination and analysis of interdisciplinary and theoretical approaches to dress, appearance, and fashion as a social and economic force.

7032 Comparative Studies in Dress and Culture (3) F Also offered as ANTH 7032. Relationship between people and dress in different cultural settings, e.g., environment, religion, ethnicity, gender, and aesthetics; impact of cultural change and western culture on world dress, ethnic, and folk traditions in dress.

7035 Textile Manufacturing (3) Prereq.: HUEC 4043; and one 7000-level statistics course. In-depth study of mass production of textiles, with a detailed analysis of manufacturing technology, quality control methods, and end-use performance evaluation and application.

7036 Apparel Merchandising and Global Expansion (3) Internationalization of apparel merchandising; examination of theoretical foundations, principles, and applications within select international settings; development of international apparel merchandising strategies; assessment of global issues that affect apparel merchandising.

7037 Consumer Behavior in the Apparel Merchandising Environment (3) Examination of consumer behavior theories and their applications to apparel purchase and patronage decisions and merchandising research.

7040 Bio-based Composites: Production and Evaluation (3) Bio-based material products and applications, with case studies to illustrate end-use evaluation of related agricultural materials.

7041 Introduction to Research in Textiles, Apparel Design, and Merchandising (3) F Introduction to research and literature in textiles, apparel design, and merchandising.

7042 Research in Textiles (3) 1 hr. lecture; 4 hrs. lab. Research methods applied to fabric analysis and testing; trends and recent developments.

7043 Seminar: Textiles, Apparel Design, and Merchandising (1) *May be taken for a max. of 2 hrs. of credit if topics vary.* Reports and discussion of current literature and research.

7044 Selected Topics in Textiles, Apparel Design, and Merchandising (3) *Prereq.: consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary.* Analysis and discussion of selected research and creative topics.

7046 Microscopy of Fibers and Polymers (3) Analysis and characterization of fibers and polymers using microscopical techniques; emphasis on textile fibers and fabrics, including modern, historic, and archaeological specimens.

7047 Modern Fiber Science and Technology (3) *2 hrs. lecture; 2 hrs. lab.* New techniques for obtaining fiber forming polymers derived from renewable resources, such as lyocell and plant derived polyesters; examination of polymeric materials used for the development of high performance fibers for space and other industrial applications.

7048 Thermal Characterization of Fibers and Polymers (3) *2 hrs. lecture; 2 hrs. lab.* Analysis and characterization of fibers and polymers using thermal, thermo-electrical, and thermo-mechanical techniques; examination of textile fibers and fabrics including bio-derived materials and classical specimens.

7049 Advanced Individual Field Experience In Textiles, Apparel Design, and Merchandising (3) *Prereq. or Coreq.: HUEC 7091; or consent of instructor.*

May be taken for a max. of 6 hrs. of credit when topics vary. Advanced individual, supervised, field-based study in selected areas of textiles, apparel design, and merchandising; emphasis on analysis, synthesis and application of research data and contemporary practices within selected businesses, industries, agencies and institutions.

7518 Studies in American and European Dress (3) *See also THTR 7518. May be taken for a max. of 6 sem. hrs. of credit when topics vary.*

7519 Seminar in American Dress: 18th Century to 1880 (3) *See THTR 7519.*

7520 Seminar in American Dress: 1880 to the Present (3) *See THTR 7520.*
