

HUMAN DEVELOPMENT AND FAMILY STUDIES (HD FS)

Any experimental courses offered by HD FS can be found at:

registrar.iastate.edu/faculty-staff/courses/explisting/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explisting/>)

Courses primarily for undergraduates:

HD FS 102: Individual and Family Development, Health, and Well-being (3-0) Cr. 3. F.S.SS.

Overview of life-span developmental tasks (physical, cognitive, language, social, emotional) examined from various theoretical perspectives. Discussion of topics related to family diversity, individual/family health and well-being and reciprocal relationships as affected by external factors.

HD FS 110: Freshman Learning Community Orientation (1-0) Cr. 1. F.

Prereq: Membership in HD FS Learning Community

Introduction to the Department of Human Development and Family Studies including academic requirements and opportunities, strategies for transitioning to college, learning and study strategies, reading and reflection, and career awareness.

HD FS 111: New Transfer Student Seminar (1-0) Cr. 1. F.S.

Introduction to HD FS curricula and faculty for students in CH FS, FCEDS or F C P. Department and University policies and procedures, degree audits, and registration. Exploration of campus resources and strategies for student success. Offered on a satisfactory-fail basis only.

HD FS 183: Personal Finance in Early Adulthood (1-0) Cr. 1. F.S.SS.

Introduction to basic concepts and budgeting practices for management of resources and prevention of financial problems commonly associated with college, including credit and student loans. Offered on a satisfactory-fail basis only.

HD FS 208: Early Childhood Education Teacher Orientation Cr. 1. F.S.

Prereq: classification as ECE major

Overview of early childhood education (birth-grade 3) teacher licensure requirements. Program planning and university procedures. Required of all students majoring in early childhood education. Offered on a satisfactory-fail basis only.

HD FS 218: Professional Orientation and Service Learning (2-0) Cr. 2. F.S.

Prereq: Credit or concurrent enrollment in HD FS 102. For child, adult and family services majors.

Ethics, professional development, and career exploration in child, adult and family services. Visits to and service learning with programs that serve children, adults and families with diverse needs. Participation in service learning project required. Offered on a satisfactory-fail basis only.

HD FS 223: Child Development and Health (3-0) Cr. 3. F.S.

Typical and atypical development of children prenatal through middle childhood. Examination of healthy development and potential impact of health issues in children. Discussion of influence of the family and society on development. Either HD FS 223 or HD FS 224, but not both, may be applied toward graduation.

HD FS 224: Development in Young Children: Birth through Age 8 (3-1) Cr. 3. F.S.

Prereq: HD FS 102 and HD FS 103

Learning, growth, and development (typical and atypical) of children from birth through age eight. Explores importance of family, programs, and a diverse society. Strategies for observing, recording, and interpreting children's cognitive, communication, motor, social, and emotional development. Practicum. Either HD FS 223 or HD FS 224, but not both, may be applied toward graduation.

HD FS 226: Development and Guidance in Middle Childhood (3-0) Cr. 3. F.

Prereq: HD FS 102 or PSYCH 230

Physical, cognitive, socioemotional, and identity development from 5 to 12 years of age. Development within the contexts of family, school, peers, and society. Guidance of children in family and group settings.

HD FS 227: Adolescent and Emerging Adulthood (3-0) Cr. 3. F.S.

Prereq: HD FS 102 or PSYCH 230

Physical, cognitive, and socioemotional development of adolescents and emerging adults in the context of family, relationships, and culture.

HD FS 234: Adult Development (Cross-listed with GERON). (3-0) Cr. 3. S.

Prereq: HD FS 102 or PSYCH 230

Introductory exploration of the health, individual and social factors associated with adult development including younger adulthood, middle age and older adulthood. Information is presented from a life-span developmental framework.

HD FS 239: Consumer Issues

(3-0) Cr. 3. F.S.

Introduction to factors affecting consumer decisions of individuals and families, including housing, healthcare, and personal finances. Emphasis on accessibility and affordability, community contexts for families; and consumer protection, legislation and regulation, and consumer fraud.

Meets U.S. Diversity Requirement

HD FS 240: Literature for Children

(3-0) Cr. 3. F.S.

Evaluation of literature for children, including an emphasis on diversity and inclusion; cultural competence. Roles of literature in the overall development of children. Literature selection and use in the home and educational settings.

Meets U.S. Diversity Requirement

HD FS 249: Parenting and Family Diversity Issues

(3-0) Cr. 3. F.S.

Parenting practices and family relationships across the lifespan. Practical knowledge and techniques about how to be an effective parent. Diverse families, discipline, and parent education programs.

Meets U.S. Diversity Requirement

HD FS 270: Family Communications and Relationships

(3-0) Cr. 3. F.S.Alt. SS., offered odd-numbered years.

Prereq: HD FS 102 or PSYCH 230

Family communication and its functions to develop, maintain, enrich and limit family relationships. Family theories related to communication and ethical considerations when working with families.

Meets U.S. Diversity Requirement

HD FS 276: Human Sexuality

(3-0) Cr. 3. F.S.SS.

Behavioral, biological, and psychological aspects of human sexuality within the social context of family, culture, and society. Role of sexuality in human development. Critical analysis of media and research.

Communication and decision-making skills relating to sexuality issues and relationships.

Meets U.S. Diversity Requirement

HD FS 283: Personal and Family Finance

(3-0) Cr. 3. F.S.

Introduction to basic principles of personal and family finance. Budgeting, record keeping, checking and savings accounts, consumer credit, insurance, investments, and taxes.

Meets U.S. Diversity Requirement

HD FS 317: Field Experiences

Cr. 1-6. Repeatable. F.S.SS.

Prereq: Permission of instructor.

Consult department office for procedure. Supervised field experience in human development and family studies programs. Offered on a satisfactory-fail basis only.

HD FS 317B: Field Experiences: Human Development and Family Studies

Cr. 1-6. Repeatable. F.S.SS.

Prereq: 9 credits in HD FS.

Consult department office for procedure. Supervised field experience in human development and family studies programs. Offered on a satisfactory-fail basis only.

HD FS 317H: Field Experiences: Honors

Cr. 1-6. Repeatable. F.S.SS.

Prereq: 9 credits in HD FS

Consult department office for procedure. Supervised field experience in human development and family studies programs. Offered on a satisfactory-fail basis only.

HD FS 340: Assessment and Curriculum: Ages Birth through 2 Years

(3-3) Cr. 4. F.S.

Prereq: HD FS 103; HD FS 224; admission to teacher education program

Assessment strategies for infants and toddlers, including those with special needs. Curricula, learning environments, teaching strategies, health and nutritional practices, and schedules that are developmentally, individually, and culturally appropriate. Using assessment to plan, implement, and evaluate activities to promote physical, motor, cognitive, communication, and social emotional development. Practicum.

HD FS 341: Household Finance and Policy

(3-0) Cr. 3. F.

The social, economic, and governmental contexts of financial decision-making at the household level.

HD FS 342: Guidance and Group Management in Early Childhood

(2-2) Cr. 3. F.S.

Prereq: HD FS 103; HD FS 224

Guiding prosocial development, self-regulation, and task engagement of children birth to age 8. Focus is on promoting prosocial behaviors through supportive relationships and environments within diverse home, center, or school settings. Functional behavior assessment and ongoing progress monitoring for targeted and intensive interventions. Practicum.

HD FS 343: Assessment and Curriculum: Ages 3 through 6 Years

(3-3) Cr. 4. F.S.

Prereq: HD FS 103; HD FS 224; HD FS 240; admission to teacher education program

Assessment strategies for preschool and kindergarten children, including those with special needs. Learning environments, schedules, activities, nutritional practices, and teaching strategies that are developmentally, individually, and culturally appropriate. Using assessment to plan, implement, and evaluate activities to promote physical motor, cognitive, communication, and social emotional development. Practicum.

HD FS 344: Programming for Children in Early Care and Education

(3-3) Cr. 4. F.S.

Prereq: HD FS 103; HD FS 224

Programming in inclusive child care centers and family child care homes, including those with special needs, aged birth through 8 years. Developing, implementing, and evaluating learning environments; activities and materials; behavioral guidance and classroom management practices; health and nutritional practices; and schedules to ensure developmental, individual, and cultural appropriateness. Monitoring children's development and behavior to promote physical, motor, cognitive, communication, and social emotional development. Learning to collaborate effectively with parents and staff. Practicum.

HD FS 345: Adapting Programming in Inclusive Settings

(3-0) Cr. 3. F.S.

Prereq: HD FS 224; SP ED 250

Adapting instruction, materials, and equipment to meet developmental needs of young children birth through age 8 with diverse learning needs and multiple disabilities in inclusive settings. Addressing individualized education programs; special health care needs, challenging behavior, and positioning and handling techniques.

HD FS 360: Housing and Services for Families and Children

(3-0) Cr. 3. F.

Prereq: 6 credits in social sciences

Approaches to and assessment of housing and services that assist those with special needs including those with disabilities, low-income, children at risk, single-parents, and the homeless. Emphasis on community settings; e.g., residential facilities, group housing, shelters and transitional housing.

Meets U.S. Diversity Requirement

HD FS 367: Abuse and Illness in Families

(3-0) Cr. 3. F.S.Alt. SS., offered even-numbered years.

Prereq: HD FS 102 or PSYCH 230

Causes and consequences of family stressors including physical, sexual, and emotional abuse; substance abuse; and mental and physical illness across the life span. Interplay between victims, offenders, and the treatment system.

HD FS 369: Research Methods in Human Development and Family Studies

(3-1) Cr. 3. F.S.

Prereq: HD FS 102 or PSYCH 230; 9 hours in HD FS; junior or senior status.

Understanding and evaluating research. Use of primary and secondary data to identify and study problems related to human development and family issues. An introduction to statistical concepts and data analysis. Computer laboratory experience.

HD FS 373: Death as a Part of Living

(Cross-listed with GERON). (3-0) Cr. 3. F.S.Alt. SS., offered even-numbered years.

Prereq: HD FS 102

Consideration of death in the life span of the individual and the family with opportunity for exploration of personal and societal attitudes.

HD FS 377: Aging and the Family

(Cross-listed with GERON). (3-0) Cr. 3. F.Alt. SS., offered odd-numbered years.

Prereq: HD FS 102

Interchanges of older adults and their families. Emphasis on role changes, social interaction, and independence as influenced by health, finances, life styles, and community support.

Meets U.S. Diversity Requirement

HD FS 378: Retirement Planning and Employee Benefits

(Cross-listed with GERON). (3-0) Cr. 3. S.

Prereq: 3 credits in Economics or Personal Finance

Financial needs analysis for retirement, characteristics of employer-sponsored and individual retirement plans, tax implications of retirement plans, Social Security funding and benefits, strategies for meeting varying retirement needs in a diverse society, financial counseling and planning practice, and overview of employee benefits.

Meets U.S. Diversity Requirement

HD FS 383: Fundamentals of Financial Planning

(3-0) Cr. 3. F.

Prereq: HD FS 283

Fundamental principles of the financial planning process, client/planner interactions, time value of money applications as well as analyses of ethics review, financial statements, cash flow and debt management, education planning, retirement planning, tax planning, and estate planning needs of families.

HD FS 395: Children, Families, and Public Policy

(3-0) Cr. 3. F.S.Alt. SS., offered odd-numbered years.

Prereq: HD FS 369 or equivalent

Public policy and politics as they affect children and families. Examination of how individuals and groups influence policy. Investigation of current issues and programs influencing the well-being and welfare of children and families.

HD FS 416: Human Development and Family Studies Seminar

Cr. arr. Repeatable. F.S.SS.

Prereq: 8 credits in human development and family studies

Intensive study of a selected topic in human development and family studies.

HD FS 417: Supervised Student Teaching

Cr. 8. Repeatable.

Prereq: Reservation required

HD FS 417C: Supervised Student Teaching: Early Childhood Special Education Programs.

Cr. 8. Repeatable. F.S.

Prereq: GPA 2.5, full admission to teacher education program, HD FS 455; HD FS 456.

Teaching experience with preschool children with disabilities.

HD FS 418: Professional Practice Reflection/Discussion

Cr. 0.5-2. Repeatable. F.S.

Discussion of professional practice experience. Offered on a satisfactory-fail basis only.

HD FS 418A: Professional Practice Reflection/Discussion: Teaching

(0.5-0) Cr. 0.5. F.S.

Prereq: Taken concurrently with HD FS 417

Discussion of HD FS 417 student teaching field experience. Offered on a satisfactory-fail basis only.

HD FS 418B: Professional Practice Reflection/Discussion: Internships

(2-0) Cr. 2. F.S.

Prereq: Junior classification

Process and development of skills necessary for professional preparation and practice including career planning, resume writing, and interviewing. Strategies for successful career management. Offered on a satisfactory-fail basis only.

HD FS 449: Program Evaluation and Proposal Writing

(3-0) Cr. 3. F.S.

Prereq: HD FS 369

Theory and practice of program evaluation and proposal writing in human services including needs assessment, outcome development and measurement, and proposal components. Assessment of programs' success in meeting goals.

HD FS 455: Curriculum and Interventions: Ages 3 through 6 Years

(3-3) Cr. 4. F.S.

Prereq: HD FS 343, HD FS 345, SP ED 405 and SP ED 458

Program models and methods leading to development and organization of appropriate curricula in preschool and kindergarten programs for young children with diverse learning needs. Government regulations and professional standards for child programming. Teaming with parents, colleagues, and paraprofessionals to plan, implement, and evaluate developmentally and culturally appropriate individualized education plans in inclusive settings. Practicum.

HD FS 456: Working with Families in Early Intervention

(3-0) Cr. 3. F.S.

Prereq: Current background check; HD FS 340 or HD FS 344; or permission of instructor

Applying family systems theory and family centered principles in early intervention. Understanding the impact of disability on families and young children. Utilizing strategies for delivering family-centered interventions and service coordination in home-based and natural environments. Building trusting relationships, teaming with families and interdisciplinary colleagues to create, implement, and evaluate Individualized Family Service Plans (IFSPs) for children birth to age three. Understanding foundations of theory and policy and empowering families through effective supports and services. Experiences with families.

HD FS 463: Environments for the Aging

(Dual-listed with HD FS 563). (Cross-listed with GERON). (3-0) Cr. 3. S.

Prereq: HD FS 360 or 3 credits in housing, architecture, interior design, rehabilitation, psychology, or human development and family studies or permission of instructor

Emphasis on independent living within residential settings including specialized shelter, supportive services and housing management. Application of criteria appropriate for accessibility and functional performance of activities; universal design principles. Creative project provides service learning opportunities. (on-line course offering via Distance Education).

Meets U.S. Diversity Requirement

HD FS 479: Family Interaction Dynamics

(3-0) Cr. 3. F.S.

Prereq: HD FS 102 or equivalent; HD FS 369 or equivalent; 9 hours in social sciences; junior or senior status

Analysis of research related to family interaction processes across the family life span. Emphasis on relationship dynamics and cultural differences.

HD FS 482: Family Savings and Investments

(3-0) Cr. 3. F.

Prereq: HD FS 283

Management of family financial resources; emphasis on savings and the investment planning process; issues facing financial planners who manage family assets. Identification of investment options including common stocks, fixed income securities, convertible securities, and related choices.

HD FS 484: Estate Planning for Families

(3-0) Cr. 3. S.

Prereq: HD FS 283

Study of estate planning focusing on efficient conservation and transfer of wealth, consistent with client's goals. Legal, tax, financial and non-financial aspects of estate planning process; trusts, wills, probate, advanced directives, charitable giving, wealth transfers and related taxes.

HD FS 485: Capstone: Family Financial Planning

(3-0) Cr. 3. S.

Prereq: HD FS 341, HD FS 378, HD FS 383, HD FS 482, FIN 361

Development and refinement of competencies required by personal financial planners to work with individuals and families in meeting financial objectives. Utilization of skills obtained in financial planning emphasis to complete one or more financial planning narratives.

HD FS 486: Administration of Human Services Programs

(3-0) Cr. 3. F.S.

Prereq: Junior classification; 6 credits in HD FS at 300 level and above

Examination of purpose, policies, staffing, operations, and clientele of organizations serving children, adults and families with diverse needs. Management/leadership principles and techniques. Introduction to financial management. Administrators/supervisors roles in employee management as well as development of client-oriented programs, fundraising, goal setting, strategic planning, and advocacy.

HD FS 489: Financial Counseling

(Dual-listed with HD FS 589). (2-0) Cr. 2. F.

Prereq: HD FS 283 for 489, graduate classification for 589

Personal, social/psychological and legal climates affecting family financial decisions. A life cycle approach to financial decision making. Development of financial counseling and planning skills to assist families and individuals to become self-sufficient in family financial management.

HD FS 489L: Financial Counseling Laboratory

(Dual-listed with HD FS 589L). (0-2) Cr. 1. Repeatable, maximum of 2 credits. F.S.

Prereq: HD FS 283 for 489L, graduate classification for 589L

Hands-on financial counseling experience using preventative, remedial, and productive strategies in one-on-one and/or group situations. Students work with clients to develop diverse and inclusive decision-making and problem-solving methods to achieve goals or to remove barriers.

HD FS 490: Independent Study

Cr. arr. Repeatable.

Prereq: 6 credits in human development and family studies

Consult department office for procedure.

HD FS 490H: Independent Study: Honors

Cr. arr. Repeatable.

Prereq: 6 credits in human development and family studies

Consult department office for procedure.

HD FS 491: Internship

Cr. 4-9. Repeatable, maximum of 9 credits. F.S.SS.

Prereq: HD FS 418B; permission of instructor; senior classification; minimum 2.0 GPA.

Supervised work experience related to the student's curriculum. Offered on a satisfactory-fail basis only.

HD FS 493: Workshop

(Dual-listed with HD FS 593). Cr. arr. Repeatable. F.S.SS.

Prereq: Senior classification

Workshop in HD FS.

HD FS 499: Research

Cr. arr. Repeatable, maximum of 6 credits. F.S.SS.

Prereq: Consult department office for procedures.

Supervised research experience.

Courses primarily for graduate students, open to qualified undergraduates:**HD FS 501: Graduate Studies, Research, and Ethics in HD FS**

(2-0) Cr. 2. F.

Prereq: Admission to HD FS Graduate program

Overview of graduate study, research, ethics, and professional development in the field of human development and family studies. Curriculum, programs of study, portfolios, faculty research interests, dissemination of research, career planning, and teaching discussed.

HD FS 502: Professional Development in Human Development and Family Studies

(2-0) Cr. 2. Alt. S., offered even-numbered years.

Prereq: graduate classification; HD FS 501

Overview of professional skills, portfolio building, preparation for academic and nonacademic jobs, leadership fundamentals and project management training, time management, work balance issues, and professional ethics. Opportunities for graduate students to work on their professional development tailored to individual needs of students. Develop an individual professional portfolio.

HD FS 503: Introduction to Research Design

(4-0) Cr. 4. F.

Prereq: Permission of instructor

Concepts, methods, and strategies for quantitative research in human development and family studies. Topics include the descriptive and inferential statistical techniques for quantitative research, using statistical packages to store and conduct statistical analyses, basic research methods in human development and family studies, and the relation between research designs and statistics.

HD FS 504: Qualitative Research Methods

(3-0) Cr. 3. S.

Prereq: 9 credits of social sciences or permission of instructor

Introduction to qualitative research methodology. Application of fieldwork methods, analysis, interpretation, and writing through individual qualitative research projects.

HD FS 505: Application of Quantitative Research Methods

(3-0) Cr. 3. S.

Prereq: HD FS 503 or permission of instructor

Practical applications of quantitative research methods, including an introduction to secondary data analysis, correlation and regression analysis, regression diagnostics; reporting results.

HD FS 510: Theories of Human Development

(3-0) Cr. 3. F,SS.

Prereq: 9 credits of social sciences or permission of instructor

Theoretical approaches and current research in child, adolescent, and adult development. Individual life span perspectives. Implications for research, policy and practice. (Summer course offering is on-line).

HD FS 511: Family Theory

(3-0) Cr. 3. S.

Prereq: 9 credits in social sciences or permission of instructor

Theoretical approaches and current research in family development. Review the nature and value of theory to the study of the family and evaluate the use of theory in empirical research. Implications for research, policy and practice.

HD FS 530: Perspectives in Gerontology

(Cross-listed with GERON). (3-0) Cr. 3. F.

Overview of current aging issues including theory and research, critical social and political issues in aging, the interdisciplinary focus of gerontology, career opportunities, and aging in the future. (on-line course offering via Distance Education).

HD FS 534: Adult Development

(Cross-listed with GERON). (3-0) Cr. 3. S.

Exploration of the biological, psychological and social factors associated with aging. Although the focus is on the later years, information is presented from a life-span developmental framework. Empirical studies are reviewed and their strengths, limitations and implications for normative and optimal functioning are discussed. (on-line course offering via Distance Education).

HD FS 538: Developmental Disabilities

(Cross-listed with PSYCH). (3-0) Cr. 3. Alt. F., offered odd-numbered years.

Prereq: 9 credits in human development and family studies or psychology or permission of instructor

Theories, research, and current issues regarding the intersection of development and disabilities. Investigation of interventions with individuals and families. (on-line course offering via Distance Education).

HD FS 541: Housing and Real Estate in Family Financial Planning

(Cross-listed with FFP). (3-0) Cr. 3. Alt. SS., offered even-numbered years.

The role of housing and real estate in the family financial planning process, including taxation, mortgages, financial calculations, legal concerns, and ethical issues related to home ownership and real estate investments. Emphasis on emerging issues in the context of housing and real estate. (on-line course offering via Distance Education).

HD FS 545: Economics, Public Policy, and Aging

(Cross-listed with GERON). (3-0) Cr. 3. F.

Policy development in the context of the economic status of the older adult population. Retirement planning and the retirement decisions; social security and public transfer programs; intra-family transfers to/from the aged; private pensions; financing medical care; prospects and issues for the future.

HD FS 555: Current Issues and Research in Early Childhood Services

(3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 9 credits in social sciences or permission of instructor

Analysis of contemporary and historical early childhood/early intervention/early childhood special education model programs and services. Examination of relationships among service systems and implementation, program quality, teacher effectiveness, and outcomes for children with and without disabilities. (on-line course offering via Distance Education).

HD FS 563: Environments for the Aging

(Dual-listed with HD FS 463). (Cross-listed with GERON). (3-0) Cr. 3. S.
Prereq: HD FS 360 or 3 credits in housing, architecture, interior design, rehabilitation, psychology, or human development and family studies or permission of instructor

Emphasis on independent living within residential settings including specialized shelter, supportive services and housing management. Application of criteria appropriate for accessibility and functional performance of activities; universal design principles. Creative project provides service learning opportunities. (on-line course offering via Distance Education).

Meets U.S. Diversity Requirement

HD FS 566: Family Policy

(3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 6 credits in social sciences or permission of instructor

An introduction to policy for family researchers and practitioners. Examination of relevant policies through a family lens via discussion of theory and student interests in current and enduring family policies and programs. Descriptions of work roles in family policy and the interaction of family researchers and policymakers.

HD FS 567: Family Stress, Abuse, and Illness

(3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 9 credits in social sciences or permission of instructor

Explores research related to family stress within romantic, parent-child, and sibling relationships. Examines contemporary theory and research on the nature, causes, and consequences of family stressors. These stressors include, but are not limited to economic distress; physical and emotional abuse; substance abuse; and mental and physical illness across the life span. (on-line course offering via Distance Education).

HD FS 568: Individual and Family Assessment

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: HD FS 510 or permission of instructor

Use of interviews, observational assessments, direct tests with individuals and families for research and intervention. Opportunities to practice assessments.

HD FS 575: Cross-cultural Perspectives about Families and Children

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: 6 credits in social sciences or permission of instructor

Review of current research regarding family diversity including an examination of cultural and structural influences on the development and well-being of families and children. Discussion of the impact on human rights and social justice. (on-line course offering via Distance Education).

HD FS 577: Aging in the Family Setting

(Cross-listed with GERON). (3-0) Cr. 3. S.

Prereq: 9 credits in social sciences or permission of instructor

Theories and research related to personal and family adjustments in later life affecting older persons and their intergenerational relationships. Related issues including demographics also are examined through the use of current literature. (on-line course offering via Distance Education).

HD FS 579: Family Well-being Across the Lifespan

(3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: 9 credits in social sciences or permission of instructor

Review of current research to provide a theoretical and practical understanding of the economic, social, and psychological factors that influence interpersonal relationships and individual well-being within the institution of the family system. Economic and policy effects considered. (on-line course offering via Distance Education).

HD FS 581: International Study in Human Development and Family Studies

Cr. 1-12. Repeatable, maximum of 12 credits. F.S.SS.

Prereq: Permission by application

Limited enrollment. Supervised international study experiences in Human Development and Family Studies. Countries vary.

HD FS 581A: International Study in HD FS: Practicum

Cr. 1-12. Repeatable, maximum of 12 credits. F.S.SS.

Prereq: Permission by application

Limited enrollment. Supervised international study experiences in Human Development and Family Studies. Countries vary.

HD FS 581B: International Study in HD FS: Exchange

Cr. 1-12. Repeatable, maximum of 12 credits. F.S.SS.

Prereq: Permission by application

Limited enrollment. Supervised international study experiences in Human Development and Family Studies. Countries vary.

HD FS 581C: International Study in HD FS: Group Study

Cr. 1-12. Repeatable, maximum of 12 credits. F.S.SS.

Prereq: Permission by application

Limited enrollment. Supervised international study experiences in Human Development and Family Studies. Countries vary.

HD FS 583: Investing for the Family's Future

(Cross-listed with FFP). (3-0) Cr. 3. F.

Evaluation of investment markets for the household. Analysis of how families choose where to put their savings. Emphasis is on using the family's overall financial and economic goals to help inform investment choices. (on-line course offering via Distance Education).

HD FS 584: Program Evaluation and Research Methods in Gerontology

(Cross-listed with GERON). (3-0) Cr. 3. S.

Overview of program evaluation, research methods, and grant writing in gerontology. Includes application of quantitative and qualitative methods in professional settings. (on-line course offering via Distance Education).

HD FS 585: Program Evaluation

(3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: 6 credits in graduate level social sciences or permission of instructor

Theoretical and practical issues related to design and implementation of program evaluation in social sciences. Includes theory, design, implementation, analysis and proposal writing to assist programs to be successful in meeting program goals.

HD FS 588: Family, Income, and the Economy

(3-0) Cr. 3. Alt. F., offered odd-numbered years.

Prereq: 9 credits in social sciences or permission of instructor

Analysis of family income, wealth, and economic well-being. Emphasis on effects of family behavior and public policies on the adequacy and security of income across the family life cycle. Implications of resource allocation within the family for adult and child well-being.

HD FS 589: Financial Counseling

(Dual-listed with HD FS 489). (2-0) Cr. 2. F.

Prereq: HD FS 283 for 489, graduate classification for 589

Personal, social/psychological and legal climates affecting family financial decisions. A life cycle approach to financial decision making. Development of financial counseling and planning skills to assist families and individuals to become self-sufficient in family financial management.

HD FS 589L: Financial Counseling Laboratory

(Dual-listed with HD FS 489L). (0-2) Cr. 1. Repeatable, maximum of 2 credits. F.S.

Prereq: HD FS 283 for 489L, graduate classification for 589L

Hands-on financial counseling experience using preventative, remedial, and productive strategies in one-on-one and/or group situations. Students work with clients to develop diverse and inclusive decision-making and problem-solving methods to achieve goals or to remove barriers.

HD FS 590: Special Topics

Cr. arr. Repeatable.

Prereq: Permission of instructor

Consult department office on procedure for filing a written plan of study.

HD FS 590I: Special Topics: Human Development and Family Studies

Cr. arr. Repeatable.

Prereq: Permission of instructor

Consult department office on procedure for filing a written plan of study.

HD FS 591: Internship

Cr. arr. Repeatable. F.S.SS.

Prereq: 10 graduate credits

Supervised experience in an area of human development and family studies.

HD FS 591I: Internship: Human Development and Family Studies

Cr. arr. Repeatable. F.S.SS.

Prereq: 10 graduate credits

Supervised experience in an area of human development and family studies.

HD FS 593: Workshop

(Dual-listed with HD FS 493). Cr. arr. Repeatable. F.S.SS.

Prereq: Senior classification

Workshop in HD FS.

HD FS 594: Professional Seminar in Gerontology

(Cross-listed with GERON). (3-0) Cr. 3. SS.

An integrative experience for gerontology students designed to be taken near the end of the degree program. By applying knowledge gained in earlier coursework, students will strengthen skills in ethical decision-making behavior, applying these skills in gerontology-related areas such as advocacy, professionalism, family and workplace issues. Students from a variety of professions will bring their unique perspectives to bear on topics of common interest. (on-line course offering via Distance Education).

HD FS 599: Creative Component

Cr. arr. F.S.SS.

Prereq: 9 graduate credits in HD FS

Nonthesis students creative component (e.g., a special report, capstone course, integrated field experience, annotated bibliography, research project, design, or other creative endeavor). A minimum of five credits of independent work is required on the programs of study (POS). Creative component format determined cooperation with the POS committee.

Courses for graduate students:

HD FS 603: Advanced Quantitative Methods

(3-0) Cr. 3. F.

Prereq: HD FS 503, HD FS 505; STAT 402 or STAT 404 or permission of instructor

Methodological and analytical issues in research in human development and family studies. Advanced research design and measurement, selection of statistical techniques, and issues in the interpretation of findings.

HD FS 604: Advanced Qualitative Methods

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: HD FS 504 or permission of instructor

Research methodologies including phenomenology, grounded theory, ethnography, and case studies. Methods of data collection and analysis procedures. Issues of ethics and interpretation of findings. (on-line course offering via Distance Education).

HD FS 605: Multi-level Modeling

(Cross-listed with PSYCH). (3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: HD FS 503 and HD FS 505 or STAT 404 or permission of instructor

Rationale for and interpretation of random coefficient models. Strategies for the analysis of multi-level and panel data including models for random intercepts, random slopes, and growth curves.

HD FS 606: Advanced Structural Equation and Longitudinal Modeling

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: HD FS 603 or STAT 404 or permission of instructor

Rationale for and interpretation of advanced structural equation modeling for the analysis of longitudinal data. Emphasis will be placed on developing a working familiarity with some of the common statistical procedures, coupled with their application through the use of statistical software.

HD FS 607: Mixed Methods

(3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: HD FS 503, HD FS 504, HD FS 505, or permission of instructor

Foundations of mixed methods research, controversies, and philosophical concerns. Rationale for and interpretation of mixed methods designs. Research design, sampling, data collection, data analysis, results, and interpretation. (on-line course offering via Distance Education).

HD FS 608: Grant Writing for Research

(3-0) Cr. 3. F.

Prereq: HD FS 503, HD FS 505, and HD FS 504 or permission of instructor

Understand how to identify funding sources as well as the fundamental components of a federal research grant proposal such as the abstract or summary, background and significance, specific aims/goals and objectives, project design and methods, sustainability, assessment, broader impacts, dissemination, budget, budget justification, and cover letter.

HD FS 616: Seminar

Cr. arr.

May be repeated. F.S.SS.

HD FS 631: Child Health and Development

(3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: HD FS 510 or permission of instructor

Young children's cognitive, physical, communication, and social-emotional health and development will be examined. Both typical and atypical trajectories will be explored. Research on current trends in the field will be emphasized. (on-line course offering via Distance Education).

HD FS 632: Behavioral Interventions in Early Childhood

(3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: HD FS 510 or permission of instructor

Issues related to behavioral development and needs of children ages 3-8. Design and implementation of group and individual behavioral interventions. Discussion of coaching strategies to improve intervention implementation. (on-line course offering via Distance Education).

HD FS 633: Infant Mental Health

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: HD FS 510 or permission of instructor

Examination of the individual, interpersonal, and familial factors that influence infant (birth through age 3) mental health. Analysis of the risk and protective factors that influence these systems and their potential effects on social-emotional development. Current issues relating to effective programs for improving parent-infant interactions and additional supports available to families. (on-line course offering via Distance Education).

HD FS 634: Adolescent and Emerging Adult Health and Development

(3-0) Cr. 3. Alt. S., offered even-numbered years.

Prereq: HD FS 510 or permission of instructor

Theory and research on biopsychosocial, cognitive, physical and sexual health and development from early adolescence to emerging adulthood. Contexts of development including families, peers, schools, neighborhoods, romantic relationships, economics and public policies are considered. (on-line course offering via Distance Education).

HD FS 635: Adult Development, Aging, and Health

(Cross-listed with GERON). (3-0) Cr. 3. Alt. F., offered odd-numbered years.

Prereq: HD FS 510 or permission of instructor

Review of the impact of the growing older adult population as well as individual development and aging on individuals, families, and society. Exploration of theoretical perspectives applied to adult development and aging and distinction of normative and non-normative changes in adulthood. Discussion of methods to assess development across adulthood and consideration of the role of individual and environmental factors impacting efforts to optimize adult development. (on-line course offering via Distance Education).

HD FS 640: Biomarkers and Family Research

(3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: HD FS 510 or permission of instructor.

Research on the biological underpinnings of human development and the biobehavioral health of the family. Exposure to interdisciplinary research and practice on biomarkers in the family, with particular emphasis on health-and well being-related measures. Application of biomarker collection, measurement, analysis and dissemination.

HD FS 690: Advanced Topics

Cr. arr. Repeatable.

Prereq: Permission of instructor and enrollment in Ph.D. program

HD FS 690I: Advanced Topics: Human Development and Family Studies

Cr. arr. Repeatable.

Prereq: Permission of instructor and enrollment in Ph.D. program

HD FS 691: Internship

Cr. arr. Repeatable. F.S.SS.

Prereq: Permission of instructor

Supervised practice and experience in the following specified areas.

Offered on a satisfactory-fail basis only.

HD FS 691A: Internship: College Teaching

Cr. arr. Repeatable. F.S.SS.

Prereq: Permission of instructor

Supervised practice and experience in college-level teaching. Offered on a satisfactory-fail basis only.

HD FS 691B: Internship: Research

Cr. arr. Repeatable. F.S.SS.

Prereq: Permission of instructor

Supervised practice and experience in conducting research. Offered on a satisfactory-fail basis only.

HD FS 691D: Internship: Professional Experience

Cr. arr. Repeatable. F.S.SS.

Prereq: Permission of instructor

Supervised practice and experience in relevant professional experiences.

Offered on a satisfactory-fail basis only.

HD FS 699: Research

Cr. arr. Repeatable.

Offered on a satisfactory-fail basis only.

HD FS 699I: Research: Human Development and Family Studies

Cr. arr. Repeatable.

Offered on a satisfactory-fail basis only.