

Descriptions—Epidemiology of Courses

- 818. The Epidemiology of Zoonotic Diseases**
Spring of odd years. 3(3-0) Interdepartmental with Veterinary Medicine. P: EPI 810. R: Open only to master's students in the Epidemiology major or approval of department.
Human susceptibility to diseases of animals. Modes of transmission, surveillance, and strategies for prevention of specific zoonotic diseases.
SA: HM 818
- 819. Spatial Epidemiology and Medical Geography**
Spring of even years. 3(3-0) Interdepartmental with Geography. P: EPI 810. R: Open only to master's students in the Epidemiology major or approval of department.
Concepts, techniques, and utilization of spatio-epidemiologic analyses for human health.
SA: HM 819
- 820. Evidence-Based Medicine**
Fall. 3(3-0) Interdepartmental with Medicine. P: (EPI 810 or concurrently and STT 421 or concurrently)
Methodology of clinical epidemiology and health services outcomes research. Linkage of epidemiology with daily clinical problems.
- 821. Epidemiology of the Health and Cognitive Status of the Elderly**
Fall of odd years. 3(3-0) P: EPI 810 or concurrently. R: Open only to master's students in the Epidemiology major or approval of department.
Interpretation of research on the health and cognitive status of elderly. Interpretation of statistical tests of hypotheses. Conclusions based on data.
SA: FMP 821, HM 821
- 823. Cancer Epidemiology**
Fall of even years. 3(3-0) P: STT 421, EPI 810. R: Open only to master's students in the Epidemiology major or approval of department.
Basic principles of carcinogenesis. Major etiologic factors, types of malignancies, and biomarkers for susceptibility and exposure. Prevention and early detection of cancer.
SA: HM 823
- 825. Epidemiologic Modeling**
Spring of odd years. 3(3-0) Interdepartmental with Physics. P: EPI 810, STT 422. R: Approval of department.
Mathematical modeling of epidemics. Stochastic and chaotic systems approaches. Applications through personal computer software.
SA: HM 825
- 826. Research Methods in Epidemiology**
Fall. 3(3-0) P: STT 422. R: Open only to master's students in the Epidemiology major.
Analyses of epidemiologic and clinical data applying statistical methods, based on logistic and survival models, using standard software.
SA: HM 826

- 890. Independent Study in Epidemiology**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: EPI 810. R: Open only to master's students in the Epidemiology major. Approval of department.
Independent study in areas relevant to epidemiology such as population genetics.
SA: HM 890
- 899. Master's Thesis Research**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to master's students in the Epidemiology major.
SA: HM 899

FAMILY AND CHILD ECOLOGY

FCE

Department of Family and Child Ecology College of Human Ecology

- 145. The Individual, Marriage and the Family**
Fall, Spring. 3(3-0) R: Open only to freshmen or sophomores.
Development of the young adult in the human ecological context. Issues of sexuality, gender, parenting, work and family interface, communication, and resource use. Diversity in relationships and families.
- 211. Child Growth and Development: Conception Through Early Childhood**
Fall, Spring. 3(3-0) R: Not open to freshmen.
Physical, cognitive, social, emotional, and ecological aspects of human growth and development from conception through early childhood.
- 211L. Child Growth and Development Laboratory**
Fall, Spring. 1(0-3) P: (FCE 211 or concurrently or PSY 244) R: Not open to freshmen.
Observing and recording the behavior and development of young children.
- 212. Children, Youth and Family**
Fall, Spring. 3(3-0)
An ecosystems perspective on development during childhood and adolescence emphasizing family and community contexts.
- 225. Ecology of Lifespan Human Development in the Family**
Fall, Spring. 3(3-0) R: Not open to seniors.
Human development across the lifespan with an ecological perspective. Relationships between human resource professionals and family systems.
- 238. Personal Finance**
Fall, Spring, Summer. 3(3-0)
Strategies, techniques and resources useful in the management of personal finance.

- 270. Introduction to Family Community Services**
Fall, Spring. 4(3-2)
Family community services from an ecological perspective. Professional orientation and factors influencing the field. Participation in community agency required.
- 280. Community as Context for Individual and Family Development**
Fall, Spring. 3(2-2)
Families' and individuals' fit within a community over their life span from an ecological perspective. Analysis of change. Influence of context on development and its implications for family community services. Community observations required.
- 320. Interaction Processes with Children in Groups**
Fall, Spring. 3(3-0) P: (FCE 211L) R: Open only to students in the Department of Family and Child Ecology or Graduate Lifelong Education students pursuing additional endorsement in Early Childhood Education. C: FCE 320L concurrently.
Principles of verbal and non-verbal interaction in relation to children's behavior in groups. Focus on young children in early childhood programs.
- 320L. Interaction with Children-Laboratory**
Fall, Spring. 1(0-4) R: Open only to students in the Department of Family and Child Ecology or Graduate Lifelong Education students pursuing additional endorsement in Early Childhood Education. C: FCE 320 concurrently.
Practice applying principles of interaction to individuals and small groups in early childhood programs.
- 321. Curriculum for Early Childhood Programs**
Fall, Spring. 3(3-0) P: (FCE 320L) and completion of Tier I writing requirement. R: Open only to students in the Department of Family and Child Ecology or Graduate Lifelong Education students pursuing additional endorsements in Early Childhood Education. C: FCE 321L concurrently.
Child development principles and accreditation standards for designing curricula for early childhood programs. Planning and evaluating learning activities and programs.
- 321L. Curriculum for Early Childhood Programs: Laboratory**
Fall, Spring. 1(0-4) P: (FCE 320L) R: Open only to students in the Department of Family and Child Ecology or Graduate Lifelong Education students pursuing additional endorsement in Early Childhood Education. C: FCE 321 concurrently.
Supervised practice in providing learning activities for individual children and small groups. Planning, implementing and evaluating activities. Field trips may be required.
- 345. Principles of Family Studies**
Fall, Spring. 3(3-0) P: (FCE 211 or FCE 212 or FCE 225) R: Not open to freshmen.
Historical, social, cultural, and economic perspectives on contemporary families. Approaches to studying families. Role of communication, resources, and decision making in family systems.

**346. Helping Skills in Family
Community Services**

Fall, Summer. 3(2-2) P: (FCE 270) and (FCE 280 or PSY 270 or SOC 361) R: Open only to juniors or seniors

Foundational skill development necessary for the delivery of services to diverse families, including communicating, interviewing, problem solving, and assessment. Application of skills in a field experience.

**347. Programming in Family
Community Services**

Fall, Summer. 4(3-3) P: (FCE 270) and (FCE 280 or PSY 270 or SOC 361) and completion of Tier I writing requirement. R: Open only to sophomores or juniors or seniors. Not open to students with credit in FCE 370.

Analysis of youth and adult service programs. Program planning processes involved in delivering services to clients and learners. Application of program planning skills. Field experience.

**350. Management and Decision Making
in the Family**

Fall. 3(3-0) P: Completion of Tier I writing requirement. R: Open only to juniors or seniors.

Management for the realization of values and goals through decision making about resources in the family.

**370. Educational Systems in Human
Ecology**

Fall, Spring. 3(2-2) P: (FCE 270) and completion of Tier I writing requirement. R: Open only to juniors or seniors. Not open to students with credit in FCE 347.

The human ecologist as educator in formal, non-formal, and informal educational systems. Instructional methods appropriate for those environments.

405. Work and Family

Spring. 3(3-0) P: Completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students.

Historical perspectives on work and family. Effects of work on family members across life cycle, and employer and public policy response.

411. Developmental Study of a Child

Fall, Spring. 2(1-3) P: (FCE 320 or concurrently) and completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students.

Ecological analysis of developmental behavior. Application of research findings to observations of a child.

**413. Adult Development and the
Family: Middle and Later Years**

Spring, Summer. 4(3-3) P: One course in psychology or sociology. R: Open only to juniors or seniors or graduate students.

Social, psychological and biological development within the family. Field study required.

414. Parenting

Fall of odd years. 3(3-0) R: Open only to juniors or seniors or graduate students.

Childrearing in modern society. Adult parenting roles in various family structures. Support roles of families and communities.

**424. Student Teaching in an Early
Childhood Program**

Fall, Spring, Summer. 6 to 8 credits. P: (FCE 321L) and completion of Tier I writing requirement. R: Open only to seniors in the Department of Family and Child Ecology and approval of department.

A supervised teaching practicum. Planning, implementing, and evaluating an ecological, educational program for children and their families.

**442. Ethnic Minority Families in
America**

Fall, Spring. 3(3-0) P: Completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students.

Historical, structural, and functional components of selected ethnic minority family systems in America. Life styles, pressures, adaptations, viability, and continuity.

**444. Interpersonal Relationships in the
Family**

Fall, Spring. 3(3-0) R: Open only to juniors or seniors or graduate students.

Personal awareness and interpersonal relationships within the family system. Small group discussions.

445. Human Sexuality

Fall, Spring. 3(3-0) R: Open only to juniors or seniors or graduate students.

Family and psychosocial factors affecting the development of a person's sexuality across the life cycle. Reciprocal impact on society and the legal system.

**447. Management of Family
Community Service Programs**

Spring, Summer. 3(3-0) P: (FCE 321 or FCE 347) R: Open only to juniors or seniors or graduate students in the Department of Family and Child Ecology.

Analysis of family and community service programs and organizations. Effective management and leadership processes. Programs and organizations from an ecological perspective. Service learning experience.

452. Consumer Issues

Spring. 3(3-0) P: (FCE 238) and completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students.

Issues in contemporary consumer ecosystems.

454. Family Financial Management

Spring. 3(3-0) P: (FCE 238) and completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students.

Financial management strategies of families during the life cycle. Income support programs.

458. Family Financial Advising

Fall of odd years. 2(2-0) P: (FCE 454) R: Open only to juniors or seniors or graduate students.

Advising strategies for working with families with financial concerns.

**470. Current Issues in Family and
Child Ecology**

Spring. 3 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors or graduate students.

Legislation, current events, and issues affecting families and children. Implications for professional decisions and actions.

**472. Evaluation of Human Service
Programs**

Spring. 3(2-2) P: (FCE 370 or FCE 347 or FCE 321) R: Open only to juniors or seniors or graduate students.

Evaluation design, methodology and implementation, with applications to family, child, consumer, and human service related programs. Interactions of individuals, families and human service programs from a perspective of the ecology of human development, family ecosystems, and community ecology. Field observations required.

**473. Administration of Early
Childhood Programs**

Spring. 3(3-0) P: (FCE 320) and (FCE 321 or concurrently or FCE 370 or concurrently) R: Open only to juniors or seniors or graduate students in the Department of Family and Child Ecology. Not open to students with credit in FCE 447.

Administrator's role in early childhood programs. Ecological focus on administrative relationships, regulations, fiscal and management skills, and developmentally appropriate practices. Public, private, for-profit, not-for-profit, center, and home-based programs.

490. Independent Study

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department; application required.

Individual study of selected topics under faculty guidance.

490H. Honors Independent Study

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Open only to Honors students. Approval of department; application required.

Honors individual study of selected topics with faculty guidance.

492. Internship Seminar

Fall, Spring. 2(2-0) P: (FCE 347 or FCE 370) R: Open only to juniors or seniors or graduate students in the Department of Family and Child Ecology.

Preparation for professional internship.

493. Internship

Fall, Spring, Summer. 3 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: (FCE 492) and completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students in the Department of Family and Child Ecology. Approval of department.

Professional experience in a community organization.

801. Family Ecosystems

Fall, Spring. 3(3-0)

Family viewed from ecosystems perspective. Assessment tools used to analyze family systems.

810. Theories of Human Development

Fall. 3(3-0)

Major theories of development; research findings and the validity of theoretical positions.

Descriptions—Family and Child Ecology of Courses

811. Child Development: Ecological Perspectives

Fall of even years. 3(3-0)

Ecological factors that influence family functioning and child outcomes.

812. Adolescence in the Family: Ecological Perspectives

Spring of even years. 3(3-0)

Ecological factors that influence family functioning and adolescent outcomes.

813. Adulthood and Aging in the Family: Ecological Perspectives

Fall of odd years. 3(3-0)

Adult development and aging in the contexts of family and community. Family relationships in adulthood and aging.

814. Parenthood and Parent Education

Spring of odd years. 3(3-0)

Influence of parents on children/youth and factors that influence parenting; approaches to providing education and support for parents.

821. Early Childhood Education: Curricular Approaches

Spring. 3(3-0) P: FCE 810.

Theoretical background, content, and evaluation of early childhood curricula and programs. Influence of research and public policy.

822. Assessment of the Young Child

Fall of even years. 3(3-0)

Assessment instruments and procedures for children from birth to age seven. Techniques for assessing physical, social, emotional, and cognitive development of young children.

823. Infant Programs and Practices

Spring of odd years. 3(2-3) P: FCE 810 or PSY 845.

Concepts of early childhood education applied to children from birth to age three. Evaluation of research, learning materials, and activities for infants at home and in small group settings. Field work required.

830. Survey of Marriage and Family Therapy Theories

Fall. 3(3-0)

Contemporary ecosystem theories of marriage and family therapy.

831. Treatment Processes in Marriage and Family Therapy

Spring. 3(2-3) P: (FCE 830) R: Open only to master's students in the Marriage and Family Therapy major.

Case management and treatment processes for problems affecting system change and family functioning.

832. Ethics, Law, and Professional Development

Spring of odd years. 3(3-0)

Ethics and laws affecting family life professionals. Developing a professional identity. Management of private practice and consulting services.

842. African American Families

Spring. 3(3-0)

Historical and contemporary approaches to the study of African and African American families. Major theoretical frameworks.

845. Foundations of Family Study

Fall. 3(3-0)

Historical and cultural perspectives of the family; conceptual approaches to family study; sensitivity to family diversity; key issues related to the life cycle. Field observations required.

847. Theories of the Family

Spring. 3(3-0) P: FCE 845.

Perspectives on the family. Relationships of theory, research, and practice.

848. Divorce and Remarriage Interventions

Fall of even years. 3(3-0)

Impact of changing marital status on the individual, family, and society. Current research, laws, educational programming, and clinical treatment strategies.

850. Theories of Management and Decision Making in the Family

Fall. 3(3-0)

Theories of decision making in the context of family management. Application to human resource development in the family. Integrated ecological approach.

851. Family Economics

Fall of odd years. 3(3-0) P: One course in economics.

The household as an economic unit in consumer and producer roles. Economic functions and processes.

871. Methods of Teaching Adults

Fall of odd years. 3(3-0)

Uses of human and family ecological perspectives in teaching adult audiences.

872. Program Design and Development

Fall of even years. 3(3-0)

Processes involved in program design and development for human service organizations and agencies.

873. Administration and Management of Human Services Programs

Spring of even years. 3(3-0) P: FCE 872.

Processes and procedures related to the management and administration of human services programs.

874. Volunteer Development and Management

Fall of odd years. 3(3-0)

Recruitment, development, and guidance of volunteers for human service programs. Administration of programs involving volunteers.

875. Curriculum and Evaluation in Home Economics Education

Spring of even years. 3(3-0)

Relationships between curriculum and evaluation. Processes used in developing curriculum and evaluation models.

880. Research Methods in Family and Child Ecology

Fall, Spring. 3(3-0)

Methods applied to problem definition, research design, and analysis.

881. Quantitative Methods in Family and Child Ecology

Fall, Spring. 3(3-0) P: FCE 880 or equivalent course in research methods. R: Open only to graduate students in the Department of Family and Child Ecology.

Application of quantitative techniques to the analysis of family and ecological research data.

890. Independent Study

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

Individual study of selected topics with faculty guidance.

891. Topics in Family and Child Ecology (MTC)

Fall, Spring. 2 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

Family science, early childhood development, problems in programs, or services for families.

892. Seminar in Family and Child Ecology

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

Selected content in family relationships, family economics, human development in the family, community services, or programs for children and families.

894. Laboratory and Field Experience

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to graduate students in the Department of Family and Child Ecology.

Supervised observation, practica, or internships.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 50 credits in all enrollments for this course. R: Open only to graduate students in the Department of Family and Child Ecology.

902. Advanced Marriage and Family Therapy Theories

Spring of even years. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. P: FCE 830.

Selected theoretical perspectives in marriage and family therapy and related therapy techniques.

904. Family Ecology Theory Construction

Fall of odd years. 3(3-0) P: FCE 801; FCE 810; FCE 830 or FCE 847 or FCE 850. R: Open only to doctoral students.

Integration and application of concepts in constructing family ecology theory. Theory development strategies.

980. Advanced Research Methods (MTC)

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: FCE 801, FCE 880. R: Open only to doctoral students.

Research design, measurement and implementation.

991. Topics in Family and Child Ecology (MTC)

Fall, Spring. 2 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to doctoral students.

Topics and problems in programs and services for families.

993. Internship

Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to Family and Child Ecology graduate students. Approval of department.

Supervised practicum, or internship.

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Family and Child Ecology.

**FAMILY AND COMMUNITY
MEDICINE FCM**

**Department of Family and
Community Medicine
College of Osteopathic Medicine**

515. Health Care in Underserved Areas
Fall. 2 to 3 credits. Interdepartmental with Family Practice. Administered by Family Practice. R: Graduate-professional students in colleges of Human and Osteopathic Medicine.

Professional, economic, and personal issues confronting the physician practicing in medically underserved areas. Impact of practice location, federal programs, changing patterns of practice, health maintenance organizations.

517. Sports Medicine I

Fall. 1(1-0) Interdepartmental with Family Practice. Administered by Family Practice. R: Open only to graduate-professional students in the College of Human Medicine or College of Osteopathic Medicine or graduate students in the College of Nursing or Department of Kinesiology.

Causes, diagnosis, treatment, and prevention of common sports injuries. Drugs, nutrition, exercise physiology and sports psychology. Emphasis on family practice approach to sports medicine.
SA: FM 517

590. Special Problems in Family Medicine

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 48 credits in all enrollments for this course. R: Open only to graduate-professional students in the colleges of Osteopathic and Human Medicine. Approval of department.

Each student works under faculty direction on an experimental, theoretical, or applied problem.
SA: FM 590

601. Clinical Practicum in Family Medicine

Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Direct involvement in a family practice emphasizing patient, office, and personnel management.
SA: FM 601

602. Primary Care Ambulatory Clerkship

Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine; Internal Medicine; Osteopathic Surgical Specialties; Pediatrics; Psychiatry. Administered by Osteopathic Medicine. P: Successful completion of the preclerkship requirements in College of Osteopathic Medicine Units I and II.

A 24-week ambulatory care continuity experience involving 12 weeks in a multidisciplinary environment (family medicine, pediatrics, and internal medicine), 6 weeks in family medicine and 6 weeks in specialty areas (internal medicine, surgery, and obstetrics and gynecology). Didactic sessions are scheduled concurrently.

620. Directed Studies

Fall, Spring, Summer. 1 to 30 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open only to graduate-professional students in the colleges of Osteopathic Medicine and Human Medicine upon completion of Units I and II.

Individual or group projects on special problems related to family medicine.
SA: FM 620

640. Principles of Family Medicine I

Fall. 1(0-4) R: Open only to graduate-professional students in the College of Osteopathic Medicine. Unit I. Systems Biology course or concurrently.

Preceptorship experience in family medicine taught by faculty and clinical preceptors at multiple sites.
SA: FM 640

650. Principles of Family Medicine II

Spring. 1(0-4) A student may earn a maximum of 20 credits in all enrollments for this course. P: (FCM 640)

Continuation of FCM 640.
SA: FM 650

FAMILY PRACTICE FMP

**Department of Family Practice
College of Human Medicine**

501. Preceptorship Training

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Interdepartmental with Human Medicine. Administered by Human Medicine. R: One year of graduate-professional program in College of Human Medicine.

Field experience in primary care.

515. Health Care in Underserved Areas

Fall. 2 to 3 credits. Interdepartmental with Family and Community Medicine. R: Graduate-professional students in colleges of Human and Osteopathic Medicine.

Professional, economic, and personal issues confronting the physician practicing in medically underserved areas. Impact of practice location, federal programs, changing patterns of practice, health maintenance organizations.

517. Sports Medicine I

Fall. 1(1-0) Interdepartmental with Family and Community Medicine. R: Open only to graduate-professional students in the College of Human Medicine or College of Osteopathic Medicine or graduate students in the College of Nursing or Department of Kinesiology.

Causes, diagnosis, treatment, and prevention of common sports injuries. Drugs, nutrition, exercise physiology and sports psychology. Emphasis on family practice approach to sports medicine.
SA: FM 517

518. Sports Medicine II

Spring. 1(1-0) P: FMP 517. R: Open only to graduate-professional students in the College of Human Medicine or College of Osteopathic Medicine or graduate students in the College of Nursing or Department of Kinesiology.

Multidisciplinary aspects of sports medicine through direct observations, demonstrations, and practicums.

520. Primary Care in Developing Countries

Spring. 2(2-0) R: Open only to graduate-professional students in the College of Human Medicine or College of Osteopathic Medicine.

Practical skills for medical problem solving in developing countries: physician experiences, cross-cultural training, instruction of health workers, resource allocation; coping with special challenges, e.g., malnutrition.

580. Special Topics in Family Practice

Fall, Spring, Summer. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Graduate-professional students in colleges of Human and Osteopathic Medicine.

Exploration of special aspects of family practice. Possible examples include ethnicity and aging, clinical nutrition, sports medicine, death and dying, health care of women, research methods in primary care.

602. Clinical Medicine in the Community

Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: Completion of preclinical curriculum. R: Open only to graduate-professional students in College of Human Medicine.

Data gathering with formulation and presentation of plans for patients. Assessment of readiness for clinical clerkships. Exposure to community hospitals and ambulatory settings.