

**Descriptions – Family and Child Ecology
of
Courses**

843. Play and Human Development
(FCS 843.) Winter of odd-numbered years. 3(3-0) One course in child development or human development.
Role of play in human development. Functions of play related to other aspects of development. Analysis of theory related to play behavior.

844. Child Development Across Cultures
Spring of odd-numbered years. 3(3-0) Approval of department.

Development of children in cultures throughout the world. Biological, ecological, and social factors influencing behavior of children and their families. Impact of rapid social changes.

845. Approaches to Child Rearing
Spring. 3(3-0) One course in child development or family development or approval of department.

Child rearing and parental practices based on various theoretical models.

846. Parent Education: Programs and Processes
Winter. 3(3-0) FCE 845 or approval of department.

Materials and approaches to parent education. Application of teaching strategies and evaluation techniques will be made by designing an educational program for parents.

850. Aging in the Family
(FCS 850.) Fall. 3(3-0) FCE 480 or approval of instructor.

Provides students with a knowledge and understanding of the literature in aging in the family and develops an appreciation of the interrelationships involved in this multidisciplinary area.

851. Death, Dying, and the Family
(FCS 831.) Spring. 3(3-0)

Theoretical frames of reference for viewing death within families and strategies designed to assist them.

852. Communication and Family Crisis
(FCS 852.) Winter. 3(3-0) Approval of department.

Dynamics of family communication and adjustment to crisis during the life cycle. Delineation of major types of family crises and their consequences. Strategies for positive communication and resolution.

853. Developing Family Competencies
Fall. 3(3-0) FCE 444 or approval of department.

Identification, clarification and application of concepts, principles, processes and interactive skills effective in maintaining and enhancing the quality of family relationships. Focus is on developing family strengths.

854. Research Literature in Family Relationships
(FCS 854.) Winter. 4(4-0) FCE 444, FCE 446 and basic research methods course or approval of department.

Historical overview and current developments in research in family relationships, with emphasis on theoretical basis and critical issues.

855. Topics in Family Relationships
(FCS 855.) Fall. 2 to 4 credits. FCE 444 or FCE 445 or approval of department.

In-depth analysis of a topic related to the American family as an interactive system within the larger society.

865. Community Systems for Community Development
(F E 814., F E 865.) Winter. 4(3-2) R D 864 or approval of department. Inter-departmental with and administered by the Department of Resource Development.

Basic systems of the community, their functions and interrelatedness; the family, economic, government, education, and supportive service systems. Field trips required.

866. Community Development Field Study
(F E 816., F E 866.) Spring. 4(2-4) R D 865 or approval of department. Inter-departmental and jointly administered with the Department of Resource Development.

On-site study of major community systems. Individual or group investigation of community efforts, problems, and opportunities. Field project required.

894. Field Techniques in Family Study
Spring. 3(3-0) FCE 835, FCE 819 or approval of instructor.

Practical experience in problem selection, data collection in a natural family setting, and analysis and presentation of data in research journal format. Field experience with a family required.

895. Research Methods
(F E 819.) Fall, Spring. Summer of even-numbered years. 3(3-0) Approval of department. Interdepartmental and jointly administered with the Department of Human Environment and Design.

Elements of the research process; problem formation, theoretical frameworks, operationalizing concepts, hypotheses formulation, research design, instrumentation, sampling, analysis, interpretation, and reporting of findings.

896. Critique of Research
(F E 820.) Winter, Summer. 3(2-0) FCE 895.

A critical analysis of research on the family and its near environment. Emphasis is placed on critique of methodology with some consideration of research needs.

897. Independent Study in Family Ecology
(F E 843.) Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 9 credits. Approval of department.

Study on an individual or group basis.

898. Laboratory and Field Experience
(F E 842.) Fall, Spring. 4 credits. Approval of department.

Supervised graduate practicums, observation, internships, and externships.

899. Master's Thesis Research
(FCS/F E 899.) Fall, Winter, Spring, Summer. Variable credit. Approval of department.

901. Internship
(F E 901.) Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 9 credits. Approval of department.

Supervised advanced graduate practicums, observation, internships, and externships in the various areas of emphasis.

902. Independent Study in Family Ecology
(F E 902.) Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 9 credits. Approval of department.

Study on an individual basis.

903. Seminars in Family Ecology
(F E 903.) Spring, Summer. 2 or 3 credits. May reenroll for a maximum of 9 credits. Approval of department.

Seminars in selected topics.

932. History and Philosophy of Human Ecology
(F E 932.) Fall. Summer of even-numbered years. 3(2-0)

History and development of human ecology as an interdisciplinary field of study. Values underlying the field. Current emphasis.

999. Doctoral Dissertation Research
(F E 999.) Fall, Winter, Spring, Summer. Variable credit. Approval of department.

FAMILY MEDICINE F M

College of Osteopathic Medicine

590. Special Problems in Family Medicine
Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits. Approval of department.

Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

600. Clinical Practicum in Family Medicine
Fall, Winter, Spring, Summer. 2 to 12 credits. May reenroll for a maximum of 24 credits. Grade P in all courses offered in terms 1 through 8 or approval of department.

Opportunity for direct involvement and experience in functioning family practice. Emphasizes patient, office, and personnel management. Provides understanding and consideration of responsibilities encountered in the practice of family medicine.

602. Prison Medicine Clerkship
Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. F M 600.

Clinical experience in primary care in prison setting, delivering health care to incarcerated adult males. Exposure to wide variety of pathology, trauma, and psychological disorders.

620. Directed Studies
Fall, Winter, Spring, Summer. 2 to 24 credits. May reenroll for a maximum of 48 credits. Admission to a college of medicine or approval of department.

Individual or group projects on special problems related to family medicine.

632. Principles of Family Practice I
Winter. 1(0-3) Admission to a college of medicine.

Cognitive material and development of the psychomotor skills necessary to prepare the student physician for assignment to a family practice clinical setting.

642. Principles of Family Practice II
Spring, 1(0-4) F M 632.
Continuation of F M 632.

652. Principles of Family Practice III
Fall, Summer, 1(0-4) F M 632 or approval of department.
Continuation of F M 642.

662. Principles of Family Practice IV
Fall, Winter, 1(0-4) F M 632 or approval of department.
Continuation of F M 652.

672. Principles of Family Practice V
Winter, Spring, 1(0-4) F M 632 or approval of department.
Continuation of F M 662.

682. Principles of Family Practice VI
Spring, Summer, 1(0-4) F M 632 or approval of department.
Continuation of F M 672.

FAMILY PRACTICE FMP

College of Human Medicine

500. Preceptorship Training
Fall, Winter, Spring, Summer, 3 to 12 credits. May reenroll for a maximum of 36 credits. No more than 3 credits toward degree requirements. One year of medical school. Interdepartmental with and administered by the Department of Human Medicine.
Field experience in primary care taught by primary care physicians throughout the state to medical students from Michigan State University, University of Michigan and Wayne State University.

530. Care of the Elderly
Fall, Spring, 3(2-2) Student in H M, OST or other clinical program or approval of instructor. Interdepartmental with the Department of Community Health Science.
Case studies of the care of the elderly based on the physician patient-interaction with elderly persons and their families. Family systems applications to health care. Associated clinical experience.

540. Families in Crisis: A Clinical View
Winter, Spring, 1 to 4 credits. May reenroll for a maximum of 4 credits. Student in medicine, nursing, or graduate student in psychology, counseling, social work or related field. Interdepartmental with the Department of Psychiatry.
Dynamics of family crises as might be experienced in health care settings. Videotapes, readings and small group discussions to illustrate family dynamics.

580. Special Topics in Family Practice
Fall, Winter, Spring, Summer, 1 to 6 credits. May reenroll for a maximum of 18 credits. Approval of department.
Explore and study special aspects and modes of family-oriented health care.

607. Ambulatory Care Clerkship
Fall, Winter, Spring, Summer, 1 to 3 credits. May reenroll for a maximum of 9 credits. H M 602. Interdepartmental with the departments of Community Health Science, Medicine, and Pediatrics and Human Development.
Outpatient experience, lasting an equivalent of 48 half days over a period of six months or more, emphasizing continuous and comprehensive patient care under the supervision of appropriate physicians.

610. Family Practice Clerkship
Fall, Winter, Spring, Summer, 8 to 17 credits. May reenroll for a maximum of 34 credits. H M 602.
A clerkship in a model family practice unit with graded responsibility and supervision in the care of families and their medical problems with emphasis on primary, continuing and comprehensive care.

611. Introduction to Office Practice
Fall, Winter, Spring, Summer, 5 to 6 credits. H M 602.
A one month preceptorial exposure to the office practice of family practice in a variety of settings.

612. Inpatient Clerkship in Family Practice
Fall, Winter, Spring, Summer, 4 to 6 credits. H M 602.
Demonstration of the role of the family physician in the hospital setting, including management of consultations and referrals.

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FISHERIES AND WILDLIFE F W

College of Agriculture and Natural Resources

100. Introduction to Fisheries and Wildlife
Fall, 1(1-0) Freshmen Fisheries and Wildlife Majors.
Fisheries and wildlife as a profession. Academic and nonacademic needs to meet professional objectives, using current management problems as a focus for discussion.

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301. Fish and Wildlife of North America
Winter, 5(3-4) B S 212 or approval of department.
Comparative study of fish and wildlife groups in North America, their significant life history stages, morphology, migrations, habitats and populations. Common species are identified in the laboratory.

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305. Principles of Fisheries and Wildlife Management
Winter, 3(3-0) IDC 200 or approval of department. Not open to majors in fisheries-limnology or wildlife-ecology options.
Ecological concepts in management. Effects of regulations, refuges, stocking, species introduction, habitat manipulation, artificial feeding, genetic improvement, land use and control of predators, diseases and competitors on the production of fish and game.

328. Vertebrate Pest Control
Fall, 3(3-0) B S 212 or approval of department.
Role of wild vertebrate animals as agents damaging to man's interests; the concepts of damage and control; damage control techniques. Field trip.

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340. Wildlife Biometry
Winter, 4(3-2) MTH 111, six credits in fisheries and wildlife.
Survey of statistical formulas, methods and applications of statistics to problems in fisheries and wildlife.

374. Biological Oceanography
Winter, 3(3-0) B S 212 or approval of department.
Biology of marine animals, with emphasis on physical, chemical and biological factors affecting their abundance and distribution.

376. Introductory Limnology
Winter, 3(3-0) B S 212; students may not receive credit for both FW 376 and FW 476.
Lake and stream ecology including effects of natural and man-induced perturbations on freshwater ecosystems.

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Lake and stream ecology including effects of natural and man-induced perturbations on freshwater ecosystems.

402. Environmental Conservation Education
Spring, Summer, 4(3-2) Education majors or approval of department.
Nature, distribution and interrelationships of natural resources dictating the quality of man's environment. Principles of resource use, study of natural objects and techniques of teaching in and about the environment.

402. Environmental Conservation Education
Spring, Summer, 4(3-2) Education majors or approval of department.
Nature, distribution and interrelationships of natural resources dictating the quality of man's environment. Principles of resource use, study of natural objects and techniques of teaching in and about the environment.

404. Fisheries and Wildlife Problems
Fall, Winter, Spring, Summer, 1 to 5 credits. May reenroll for a maximum of 12 credits. B S 212, 6 credits of fisheries and wildlife; approval of department.
To give undergraduate majors an opportunity to study special topics in fisheries and wildlife.

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Fall, Winter, Spring, Summer, 1 to 5 credits. May reenroll for a maximum of 12 credits. B S 212, 6 credits of fisheries and wildlife; approval of department.
To give undergraduate majors an opportunity to study special topics in fisheries and wildlife.

420. Biology of Animal Parasites
Summer, 6 credits. B S 212 or approval of department. Given at W. K. Kellogg Biological Station. Interdepartmental with the departments of Microbiology and Public Health, and Zoology. Administered by the Department of Microbiology and Public Health.
Parasitism of animals by protozoa, helminths and arthropods with emphasis on the interrelationships of host-parasite associations with the natural environments.

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Summer, 6 credits. B S 212 or approval of department. Given at W. K. Kellogg Biological Station. Interdepartmental with the departments of Microbiology and Public Health, and Zoology. Administered by the Department of Microbiology and Public Health.
Parasitism of animals by protozoa, helminths and arthropods with emphasis on the interrelationships of host-parasite associations with the natural environments.

421. Stream Ecology
Fall, Summer-given at W. K. Kellogg Biological Station. 3(3-0) ENT 420 or approval of department. Interdepartmental with and administered by the Department of Entomology.
An in-depth examination of stream ecosystems—physical, chemical and biological aspects. Field work will be centered on local streams. Laboratory exercises will involve manipulations necessary for the determination of population energy budgets, with special emphasis on aquatic insects. Field trips required.

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424. Wildlife Population Analyses
Spring, 4(3-2) BOT 450 or ZOL 389, or concurrently.
Population mensuration; reproductive and survival rates, sex and age determination; handling and marking methods. Field trips.