Descriptions — Family and Child Sciences

467. Administration of Child Development Centers
Spring. 3(3-0) 464A and 464B or concurrently.
Analysis of the administrator's role in child development centers. Application of philosophical approaches, communication techniques and management skills to operating early childhood education programs. Licensing and other regulations.

468. Teacher-Parent Interaction
Fall, Winter. 3 credits. Majors: 464A and 464B, or concurrently; others: 262A or ED 312, approval of department.
Analysis of parent-teacher communication and interaction, parent involvement, and parental education related to early childhood education programs operated by schools, churches, or community agencies. Field experience when feasible.

469. Physical and Physiological Growth of Children
(463.) Winter, Spring. 4(3-2) HNF 102; three terms of Natural Science. Interdepartmental with Human Nutrition and Foods. Physical and physiological growth patterns. Experimental evidence for nutritional requirements. Applications to feeding practices, and physical activity of children.

470. Current Issues in Family and Child Sciences
Spring. 3(3-0) 464A, or Seniors, or approval of department.
Analysis of current events, issues; of legislation which has bearing on homes, families and children and children's programs. Implications for professional decisions and actions.

480. Human Development and Interpersonal Relationships: The Middle and Later Years
Spring. 3(3-0) 262A and 464B concurrently; others: 262A or ED 312, approval of department. Social-psychological-biological development and socialization for roles in middle and later years. Generational relationships; societal influences. Case study approach involving interaction with an adult or family in middle or later years.

485. Independent Study
Fall, Winter, Spring, Summer. 4 to 12 credits. May re-enroll for a maximum of 12 credits. Approval of department. Study of a selected topic under the guidance of a faculty advisor in the area of specialty.

495. Field Study
Fall, Winter, Spring, Summer. 4 to 12 credits. May re-enroll for a maximum of 12 credits. Approval of department. Study in off-campus situations in a variety of ways using involvement with, governmental or business-sponsored community service agencies to further insights into interaction among the individual, the family and the community.

501. Individual Child Study
Fall, Winter, Spring. (3-2-0) Majors: 364; others: 262A, PST 245 or ED 312. In-depth analysis of development and behavior utilizing regular observation of a young child. Applications of theories of child development and behavior.

504. Problems in Teaching in a Child Development Center
Fall, Winter, Spring. 3(2-0) 464A concurrently. Analysis of problems in teaching in an early childhood program. Application of child guidance techniques and principles.

505. Human Development and the Family
Fall, Winter, Spring. 3(3-0) Juniors and approval of department. Personal, interpersonal, societal meanings of human development emphasizing small group interaction. Non-literate, value clarification approach, integrating reflection on research findings, family, peer and cultural influences.

513B. Special Studies in Family Life and Child Development
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

520. Human Development in the Family: Psychological Development
Fall. 4(4-0) Six credits in child development or approval of department. Selected aspects of family members' physiological, potential, development, status explored. Family's contributions to members' physiological potential for growth and development and to realization of human potential are seen as fundamental.

521. Human Development in the Family: Personality
Fall, Winter, Spring. 4(4-0) Six credits in child development or approval of department. Influence of child-rearing practices and parent-child relationships on developing human personality. Application of research findings and theoretical approaches to psychological development in the family and family-related situations.

530. Individual Readings
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

562. Advanced Child Study
Spring. 3(3-0) 262A or ED 312 or approval of department. Current trends in field of child development based on research and on significant new books. Careful observations of children in a variety of informal situations will be made within the limits of available resources.

599. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

999. Research
Fall, Winter, Spring, Summer. Variable credit.
Research in home management and economics of the family.

FAMILY ECOLOGY*

College of Human Ecology

110. Man in His Near Environment
(HE 110.) Fall, Winter, Spring. 3(3-0) New students credit in Ecology. Ecological approach to the study of man and his near environment stressing the quality of life as it relates to individual, family and environmental forces.

238. Personal Finance
Fall, Winter, Spring. 3(3-0) Strategies, techniques and resource materials useful in improved management of personal finances. Special emphasis on stretching meager resources.

*Established July 1, 1970.
†Name changed July 1, 1970. Formerly College of Home Economics.
331. Management and Decision Making in the Family
(FCS 331.) Fall, Winter, Spring.
Summer of even-numbered years. 4(4-0)
Juniors and EC 201, or SOC 241, or three
terms of social science.
Presentation of the integrated nature of home
management; concerns, values, and goals as
reflected in decision-making about family re-
sources.

332. Theory and Application of Home Management
(FCS 332.) Fall, Winter, Spring,
4(1-4) with residencies 4(2-0) without residencies,
FCS 245; E 331 or concurrently; or approval of
department.
Principles of effective home management and
their application in a living situation. Residence
in a home management house provided.

40H. Honors Work
Fall, Winter, Spring, Summer. Vari-
able credit. May re-enroll for a maximum of
10 credits. Approval of department.

401. Contemporary Issues in Human Ecology
(H. E. 401.) Fall, Winter, Spring.
3(3-0)
Sponsors.

436. Consumer Economic Problems
(FCS 436, 439.) Fall, Winter, Spring.
3(3-0) EC 200 or 201.
Nature of current consumer problems. Sours
of information and methods of evaluating infor-
mation in the search for solutions to problems
and for improved consumer protection.

437. Management of Work Capacity in the Home
(FSC 437.) Winter, Summer of even-
numbered years. 3(3-0) 331 or approval of
department.
Analysis of the resource of human work ca-
pacity in the home—physiological and psy-
chological factors; principles and use of work
simplification.

438. Family Financial Management
(FSC 438.) Fall, Winter, Spring.
Summer of even-numbered years. 4(4-0) 201;
EC 201 or FAM 201.
Major financial alternatives available to families
during the founding, active parenthood, and re-
tirement stages. Implications for the commu-
nity of the family's financial decisions.

450. Selected Topics in Family Ecology
(H. E. 450.) Winter. 3 credits. Sen-
iors. Current issues of concern to professional
family ecologists.

495. Independent Study
Fall, Winter, Spring, Summer. Vari-
able credit. May re-enroll for a maximum of
12 credits. Approval of department.

498. Field Study
Fall, Winter, Spring. Variable
credit. May re-enroll for a maximum of
12 credits. Approval of department.

800A. Seminar in Family Ecology
(FSC 800A.) Fall, Winter, Spring.
Summer of even-numbered years. 3(3-0) May
re-enroll for a maximum of 12 credits. App-
proval of department.

813A. Special Studies in Family Ecology
(FSC 813A.) Fall, Winter, Spring.
Summer. Variable credit. Approval of de-
partment.

819. Research Methods
(FSC 819.) Fall, Spring, 3(3-0) Ap-
proval of department. Interdepartmental and
jointly administered with Human Environ-
ment and Design Department.

820. Critique of Research
Winter, Summer. 3(2-0) 819.
A critical analysis of research on the family
and its near environment. Emphasis is placed
on critique of methodology with some con-
sideration of research needs.

822. New Developments
(FSC 822, ED 822E.) Summer of odd-
numbered years. 3(3-0) ED 436.
Trends in the field of family ecology and the
relevance to current social needs.

823. Curriculum
(H. E. 833, ED 825.) Fall, Summer.
3(3-0) Approval of department.
Clariﬁcation and use of a rationale in cur-
riculum development. Special problems in appli-
cation.

824. Programs in Home and Family Life Education
(H. E. 834, ED 832M.) Spring of odd-
numbered years. Summer. 3(3-0) Approval of
department.
Develops depth in home and family living
courses of secondary school programs.

825. Methods of Teaching Adults
(H. E. 835, ED 899A.) Spring of even-
numbered years. 3(3-0) Approval of depart-
ment.
Developmental needs of adults and changes in
society affecting families as a basis for develop-
ment of adult programs in homemaking educa-
tion. Experiences will be provided with pro-
grams in progress.

826. Supervision
(H. E. 826, ED 837B.) Winter of odd-
numbered years. Summer of even-numbered
years. 3(3-0) Approval of department.
Objectives, techniques, and organization of su-
ervising teaching in teacher education pro-
grams.

827. Evaluation
(H. E. 827, ED 868.) Winter, Sum-
mer. 3(3-0) Approval of department.
Evaluation procedures and practices for various
levels of educational programs in the area of
human ecology.

830. Individual Readings
Fall, Winter, Spring. Variable
credit. Approval of department.

831. Values and Family Behavior
Winter of even-numbered years.
Summer of odd-numbered years. 4(4-0) Approval of
department.
Role and function of values as fundamental
understanding of behavior in the family. Cognition
and actualization of values. Resolution of value con-
ﬂicts. Conceptual and methodological approaches
to study of values.

832. Theories of Management and Decision-Making in the Family
(FSC 832.) Winter of odd-numbered
years. 4(2-1) 331.
Comparative study of conceptual frameworks of
family decision-making and of interrelated de-
cisions, including both individual and social
choices.

835. Family As an Ecosystem
Fall. 3(3-0) Approval of department.
Family viewed as an ecosystem. Emphasis
placed on energy and communication cycles
within the family. Integration of management;
family dynamics and developmental concepts.

837. Allocation of Family Resources
(FCS 837.) Spring of even-numbered
years. Summer of odd-numbered years. 4(2-2)
437, 438.
Contributors to and recipients of family re-
sources—both human and non-human. Pat-
terbed use of resources and the effect of defi-
nite factors such as standard of living on those
patterns.

838. Analysis of Family Income
(FCS 836.) Spring of odd-numbered
years. Summer of even-numbered years. 3(3-0)
439.
Forms of family income and economic problems
relating to the protection of family economic
security through insurance and investments,
property rights and descent of property, and
estate planning.

840. Workshops in Family Ecology
(H. E. 830.) Summer. 2 to 10 credits.
May re-enroll for a maximum of 10 credits.
Approval of department.
Laboratory approach which provides opportuni-
ties for experienced educational personnel to
concentrate their study on common professional
problems.

841. Seminars in Home Economics Education
(H. E. 831.) Spring, Summer. 2 or 3
credits. May re-enroll for a maximum of 9
credits. Approval of department.
Seminars in selected topics.

842. Laboratory and Field Experience
(H. E. 832.) Fall, Spring. 2 credits.
Approval of department.
Supervised graduate practicums, observation,
internships, and externships.

843. Independent Study in Family Ecology
(H. E. 833.) Fall, Winter, Spring,
Summer. 1 to 5 credits. May re-enroll for a
maximum of 9 credits. Approval of depart-
ment.
Study on an individual or group basis.

890. Research
Fall, Winter, Spring. Variable
credit. Approval of department.

901. Internship
(H. E. 901.) Fall, Winter, Spring,
Summer. 3 to 5 credits. May re-enroll for a
maximum of 9 credits. Approval of depart-
ment.
Supervised advanced graduate practicums, ob-
ervation, internships, and externships in the
various areas of emphasis.

902. Independent Study in Family Ecology
(H. E. 902.) Fall, Winter, Spring,
Summer. 1 to 5 credits. May re-enroll for a
maximum of 9 credits. Approval of depart-
ment.
Study on an individual basis.

A-63
903. Seminars in Family Ecology (HE 903) Fall, Winter, 2 or 3 credits. May re-enroll for a maximum of 9 credits. Approval of department. Seminars in selected topics.

932. Issues of History and Philosophy of Home Management (FCS 932) Fall, Summer of even-numbered years. 3(2-0)
History and development of home management as a field of study. Values and decision-making as analyzed by various disciplines and as used in home management.

999. Research Fall, Winter, Spring, Summer. Variable credit. Approval of department.

FAMILY MEDICINE* FM

College of Osteopathic Medicine

530. Physical Examination Skills Fall, 2(1-3) Admission to medical school and approval of department. Introductory course in physical examination skills used in the family physician's office. The course relates principles of physical examination to the laboratory where skills are taught.

545. Principles of Family Medicine I Spring, 3(3-0) Admission to medical school and approval of department. Clinical medicine which is specific in content for the practice of family medicine.

555. Principles of Family Medicine II Summer, 4(4-0) Admission to medical school and approval of department. Continuation of 545.

620. Special Problems Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 24 credits. Approval of department. Individual or group projects on special problems related to family medicine.

630. The Osteopathic Examination I Winter, 1(0-2) Admission to medical school and approval of department. Instruction in the osteopathic examination.

632. Principles of Family Practice I Winter, 1(0-4) Admission to medical school and approval of department. Placement of the student in a family physician's office or clinic.

640. The Osteopathic Examination II Spring, 1(0-2) Admission to medical school and approval of department. Continuation of 630.

642. Principles of Family Practice II Spring, 1(0-4) Admission to medical school and approval of department. Continuation of 632.

650. The Osteopathic Examination III Summer, 1(0-2) Admission to medical school and approval of department. Continuation of 640.

652. Principles of Family Practice III Summer, 1(0-4) Admission to medical school and approval of department. Continuation of 642.


660. The Osteopathic Examination IV Fall, Winter, 1(0-2) Admission to medical school and approval of department. Continuation of 650.

662. Principles of Family Practice IV Fall, 1(0-4) Admission to medical school and approval of department. Continuation of 652.

664. Principles of Family Medicine III Fall, 1(0-4) Admission to medical school and approval of department. Continuation of 654.

666. The Osteopathic Examination V Spring, Summer, 1(0-2) Admission to medical school and approval of department. Continuation of 660.

670. The Osteopathic Examination VI Spring, Summer, 1(0-2) Admission to medical school and approval of department. Continuation of 660.

672. Principles of Family Practice V Winter, 1(0-4) Admission to medical school and approval of department. Continuation of 662.

674. Principles of Family Practice 6 Fall, Winter, Spring, Summer, 2(4-0) Admission to medical school and approval of department. Continuation of 650.

675. Principles of Family Medicine IV Winter, 4(4-0) Admission to medical school and approval of department. Continuation of 660.

676. The Osteopathic Examination VII Summer, 1(0-2) Admission to medical school and approval of department. Continuation of 660.

678. Principles of Family Medicine VI Summer, 4(4-0) Admission to medical school and approval of department. Continuation of 662.

680. The Osteopathic Examination VIII Summer, 1(0-2) Admission to medical school and approval of department. Continuation of 660.

684. Principles of Family Practice VIII Summer, 1(0-4) Admission to medical school and approval of department. Continuation of 664.

685. Principles of Family Medicine VII Summer, 4(4-0) Admission to medical school and approval of department. Continuation of 662.

FISHERIES AND WILDLIFE FW

College of Agriculture and Natural Resources

200. Resource Ecology and Management For course description, see Interdisciplinary Courses.

202. Soils and Man's Environment Winter, 3(3-0) Interdepartmental with Resource Development Department, Natural Resources, and Soil Science and administered by Soil Science. Use of soil-water resources in a technological society as it relates to environmental quality.

203. Wildlife Studies in North America Fall, Winter, Spring. 2(2-4) B S 212 or approval of department. Comparative study of birds and wildlife groups in North America, their significant life history stages, morphology, migrations, habitats, and populations. Common species are identified in the laboratory.

205. Principles of Fisheries and Wildlife Management Winter. 3(3-0) IDC 200 or approval of department. Not open to majors in fisheries-ecology or wildlife-ecology options. Ecological concepts in management. Effects of regulations, refuge 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.

240. 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 (474.) Winter. 3(3-0) B S 222 or approval of department. Biology of marine animals, with emphasis on physical, chemical and biological factors affecting their abundance and distribution.


404. Fisheries and Wildlife Problems Fall, Winter, Spring, Summer. 1 to 5 credits. May re-enroll 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.

424. Wildlife Population Analyses Spring, 4(3-2) IDC 200 or approval of department. Population measurement, reproductive and survival rates; sex and age determination; handling and marking methods.

425. Wildlife Habitat Analyses Spring, 4(3-2) BOT 450 or ZOL 399 or FOR 220. Evaluation of environmental factors affecting wildlife species; food and cover measurements. Determination of limiting factors.

426. Ecology of Migratory Birds Fall, 4(3-2) ZOL 481 or approval of department. Ecological, behavioral, and physiological characteristics affecting population parameters of migratory birds and applications of these relationships to the management of migratory wildlife resources.