ENVIRONMENTAL ENGINEERING

Department of Civil and Environmental Engineering
College of Engineering

800. Environmental Engineering Seminar
Fall, Spring, 1-1-0
R: Open only to Environmental Engineering majors. Current research in environmental engineering.

801. Dynamics of Environmental Systems
Spring, 3-3-0
Principles of mass balance, reaction kinetics, mass transfer, reactor theory in environmental engineering.

802. Physicochemical Processes in Environmental Engineering
Fall, 3-3-0
P: ENE 401.
Physical and chemical principles of air and water pollution control and environmental contaminants in water, air, and soils.

804. Biological Processes in Environmental Engineering
Fall, 3-3-0
P: ENE 401 or concurrently. Engineering of microbial processes used in wastewater treatment, in-situ bioreclamation, and solid waste stabilization.

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 and 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.

211L. Child Growth and Development: Conception Through Early Childhood
Fall, Spring, 3-3-0
C: FCE 211L. R: Not open to freshmen. Observational and recording the behavior and development of young children.

225. Ecology of Lifespan Human Development in the Family
Fall, Spring, 3-3-0
Human development across the lifespan with an ecological perspective. Relationships between human resource professionals and family systems.

230. Community as Context for Individual and Family Development
Fall, Spring, 3-3-0
Families and individuals fit within a community over their lifespans from an ecological perspective. Analysis of change. Influence of context on development and its implications for family community services. Community observations required.

230L. Interaction with Children-Laboratory
Fall, Spring, 1 credit.
P: FCE 320L. R: Open only to juniors and seniors in the Department of Family and Child Ecology. Practice applying principles of interaction to individuals and small groups in early childhood programs.

231. Curriculum for Early Childhood Programs
Fall, Spring, 3-3-0
P: FCE 220L. R: Open only to juniors and seniors in the Department of Family and Child Ecology. Completion of Tier I writing requirement. Child development principles and accreditation standards for designing curricula for early childhood programs. Planning and evaluating learning activities and programs.

231L. Curriculum for Early Childhood Programs-Laboratory
Fall, Spring, 1 credit.
P: FCE 320, FCE 221L, FCE 320L or concurrently. R: Open only to juniors and seniors in the Department of Family and Child Ecology. Supervised practice in providing learning activities for individual children and small groups. Planning, implementing and evaluating activities.

346. Helping Skills in Family Community Services
Fall, Summer, 3-3-2
P: FCE 230, FCE 230L. 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.