PARK AND RECREATION RESOURCES  

College of Agriculture and Natural Resources

210. Our National Parks  
Fall, Spring. 3(3-0) Not open to majors.  

213. Leisure and Recreation Resources  
(PRR 344.) Fall, Spring. 3(3-0)  
Leisure in relation to park and recreation resources. History and philosophy, significance in modern society, and impact on urban and natural resource developments.

215. Recreation Programming and Leadership  
(PRR 201.) Fall, Winter. 3(3-0)  
Recreation leadership and programming. Recreation program service settings, design and conduct of programs to serve different clientele groups.

300. Wilderness Survival  
Fall, Winter, Spring, Summer. 3(3-0)  
Outdoor skills for utilization of plant and animal materials to provide shelter, fire, signals, water and food in the outdoors. Psychology and attitudes conducive to wilderness survival and appreciation. Field trip required.

301. Wilderness Survival (TV)  
Fall, Winter, Spring, Summer. 3(3-0)  
Credit may not be earned in both PRR 300 and PRR 301. A television lecture course dealing with the principles and attitudes necessary to promote survival in a wilderness setting.

302. Environmental Attitudes and Concepts  
Fall. 3(3-0)  
History of development of attitudes and values about the environment in western civilization. Wilderness, environmentalism, environmental quality, economic development, conservation. Environmental perception and environment-behavior relationships.

304. Recreation Planning and Design  
(PRR 304.) Fall, Spring. 3(3-0) Approval of department.  
Basic planning and design concepts applied to recreation areas, facilities, and programs. Planning process, public involvement, population and resource analysis, aesthetic and functional considerations in park design.

310. Camp Counseling and Administration  
(HPR 300.) Spring. 3(3-0)  
Camp counseling techniques, leadership roles and responsibilities, campercraft skills, programming camp activities, organization and administration of youth camps.
468. **Therapeutic Recreation Techniques**  
(HPR 483) Winter, 3(2-2) PRR 467.  
Instructi onal, intervention, and interaction techniques in therapeutic recreation. Treatment planning, terminology, documentation, and leisure counseling. Field trip required.

470. **Commercial Recreation Enterprises**  
Fall, 4(4-0) EC 201; ACC 230 or approval of department.  
Management methods and problems in commercial recreation enterprises with an emphasis on small business.

471. **Recreation Products Consumption**  
Winter, 4(4-0) EC 201; ACC 230 or ACC 292, or approval of department.  
Recreation, economic and personality theories of consumption. Specific recreation product industry case studies.

480. **Supervised Study**  
Fall, Winter, Spring, Summer. 1 to 4 credits. May enroll for a maximum of 10 credits. Approval of department.  
Seminars on current problems. Supervised readings. Individual undergraduate research on selected topics.

801. **Dimensions of Recreation and Leisure**  
Fall, 3(3-0) Approval of department.  
Concepts of recreation and leisure in the United States and their implications for professional development. Extensive reading into concepts, definitions, values, educational components and historic roots of recreation and leisure.

543. **Recreation Resource Law**  
Spring, 3(3-0) Legal basis for public recreation. Methods of acquiring recreational resources, including contracts and condemnation procedures. Administrative problems, including zoning, liability, civil rights and law enforcement. Study of cases and statutes.

571. **Selected Topics**  
Fall, Winter, Spring, Summer. 1 to 4 credits. May enroll for a maximum of 12 credits. Approval of department.  
Selected topics in recreation resource planning, administration, management, policy, and research.

880. **Special Problems**  
Fall, Winter, Spring, Summer. 1 to 5 credits. May enroll for a maximum of 15 credits. Approval of department.  
Advanced work for non-thesis projects or advanced individual study in recreation: policy, land use, planning, systems administration and management, economics, recreation therapy, commercial recreation enterprises, recreation and social problems, environmental interpretation, travel and tourism, spatial analysis, leisure concepts, research.

999. **Doctoral Dissertation Research**  
Fall, Winter, Spring, Summer. Variable credit. Approval of department.  
Independent study of 24 neuropathology problems. Approval of department.

503. **Human Pathology I**  
Spring, 3(3-0) PTH 502.  
An introductory study of neuropathology in which vocabulary and concepts of neuromuscular diseases are systematically reviewed. Self-instructional option available.

504. **Human Pathology II**  
Fall, 3(2-2) PTH 503 or approval of department.  
A continuation of PTH 503. Diseases of the cardiovascular system, including stress effects, arteriosclerosis and disorders of the autonomic and endocrine regulation. Laboratory sessions include the study of histologic sections.

505. **Human Pathology IV**  
Winter, 3(2-2) PTH 504 or approval of department.  
A continuation of PTH 504. The systems include: lung, kidney, male genital and bone and joints. In the laboratory sections, gross and microscopic changes in diseased tissues are studied and correlated with lecture material. Separate lab sessions covering pulmonary function tests, acid-base balance and innervation are included.

506. **Pathology**  
Spring, 3(2-2) PTH 505 or approval of department.  
A continuation of PTH 505. The systems include gastrointestinal tract (including liver and pancreas), female reproductive track and breast.

577. **Pathology**  
Fall, 6(5-2) Admission to a college of medicine: ANT 540, ANT 543, BCH 512, PSL 506; or approval of instructor. General concepts of disease as manifested by response of the human body to insult or injury. Study of disease in the cardiovascular and endocrine systems. Laboratories will emphasize gross and microscopic morphology.

507. **Human Pathology I**  
Fall, 5(4-2) Admission to a college of medicine: ANT 540, ANT 543, BCH 512, PSL 506; or approval of instructor. General concepts of disease as manifested by response of the human body to insult or injury. Study of disease in the cardiovascular and endocrine systems. Laboratories will emphasize gross and microscopic morphology.

505. **Human Pathology II**  
Winter, 5(4-2) PTH 507.  
Diseases of respiratory, gastrointestinal, urinary, and male reproductive systems, skin and bone. Laboratories will emphasize gross and microscopic study of lesions and a problem-solving approach to disorders.

509. **Human Pathology III**  
Spring, 4(3-2) PTH 508.  
Diseases of nervous system, muscle, female reproductive system, and blood forming organs. Laboratory sessions will emphasize clinical pathologic techniques and problem solving exercises.

520. **Biology of Blood Diseases**  
Spring, 1(0-2) Enrollment in a college of medicine or a graduate program in a biological science: MED 500 concurrently. Laboratory experience correlating basic science and clinical concepts of hematology.

525. **Neuropathology Problem Solving Exercises**  
Fall, Winter, Spring, Summer, 2(0-4) Medical student or approval of instructor.  
Independent study of 24 neuropathology problem solving exercises, including clinical history and brain specimens.