### PACKAGING PKG

#### College of Agriculture and Natural Resources

**210. Principles of Packaging**

Fall, Winter, Spring, Summer, 3(3-0)

A general course in packaging principles covering the growth and development of the field, and the technological and motivational problems solved in present day packaging. Consideration will be given to the basic functions of the package and their relation to the needs and wants of our society.

**320. Packaging Materials**

Fall, Winter, Spring, Summer, 3(3-0)

Common packaging materials including wood, paper, paperboard, plastics, metal foils and sheets, glass, adhesives, cushioning media, their basic properties in relation to performance of package.

**330. Package Printing**

Fall, Winter, Spring, Summer, 3(3-0)

Basic printing processes used for packaging materials. Advantages, disadvantages and identification of these printing methods.

**340. Packaging and the Environment**

Fall, Winter, Spring, Summer, 3(3-0)

By doing study of the effects of packaging on environmental quality, including solid waste, air and water quality, laws, economics, energy considerations and resources conservation.

**422. Packaging Systems**

Fall, Winter, Spring, 4(4-0) PKG 320 or approval of school.

Design, use and evaluation of packages and packaging systems. A one-day field trip is required.

**423. Dynamics of Packaging**

Fall, Winter, Spring, 4(4-0) PKG 320 or approval of school.

A study of the protective function of the packaging systems in relation to their environment and shock and vibration isolation methods. A one-day field trip is required.

**424. Packaging Problems**

Fall, Winter, Spring, Summer, 4(4-0) PKG 320, 1 to 3 credits. May reenroll for a maximum of 9 credits. PKG 422, 2-50 grade-point average and approval of school.

Development of solutions to specific packaging problems.

**425. Packaging Development**

Fall, Winter, Spring, 3(3-0) PKG 422, CPS 110, Seniors.

Development of packages to meet present-day requirements of protection and merchandising.

**429. Packaging Economics**

Fall, Winter, Spring, 3(3-0) PKG 422, EC 200, AFA 201 or approval of school.

Examination of economic issues in packaging as they relate to policies of the firm and of government. Relationships between economic policy and social issues.

**430. Packaging Machinery**

Fall, Winter, Spring, 3(3-0) PKG 422 or approval of school.

The components for automated packaging lines, and auxiliary materials handling equipment, including consideration of design, selection, specification and operation of machinery for the package-making and package-filling operations. One-day field trip required.

**463. Seminar**

Fall, Winter, Spring, 3(3-0) PKG 422, MTH 113, PHY 237, CEM 130.

Common packaging materials including wood, paper, paperboard, plastics, metal foils and sheets, glass, adhesives, cushioning media, their basic properties in relation to performance of package.

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### PARK AND RECREATION RESOURCES PRR

#### College of Agriculture and Natural Resources

**IDC. Resource Ecology and Man**

For course description, see Interdisciplinary Courses.

**300. Wilderness Survival**

Fall, Winter, Spring, Summer, 4(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, 4(3-0)

A television lecture course dealing with the principles and attitudes necessary to promote survival in a wilderness setting.

**302. Environmental Attitudes and Concepts**

Fall, Winter, Spring, 3(3-0)


**304. Designs for Recreation: Nature and Man**

Fall, Winter, Spring, 3(3-0) Approval of department.

Design strategies are used to demonstrate relationships between characteristics of the environment and the use of it. Integration of work, leisure, and recreation use within environmental potentials and limits is emphasized.

**344. Leisure and Recreation Resources**

Fall, Winter, Spring, 4(0-4) 2(0-4) PRR 301.

Leisure in relation to park and recreation resources. History and philosophy, significance in modern society, and impact on urban and natural resource developments.

**351. Environmental Interpretation I: Principles**

Fall, Winter, Spring, 3(3-0)

Philosophy, needs, types, and uses of information services in private, municipal, county, state and federal park and recreation areas. The role of the park interpreter (naturalist).

**440. Park and Recreation Administration**

Fall, Winter, Spring, 4(4-0)

Park and recreation organization, administration and policy at municipal, county, and regional level. Field trip required.

**442. State and Federal Recreation Resource Policy**

Fall, Winter, Spring, 3(3-0)

Origin, development and significance of public policy in recreation resource development in the United States with emphasis at state and federal levels. Field trip required.

**444. Park and Recreation Area Design**

Fall, Winter, Spring, 4(2-4) PRR 304, HRT 211 or HRT 212, or BOT 318 or approval of department.

Planning and design principles of space, scale and circulation applied to the use of park and recreation areas and facilities. Field trip required.