

AG - NATURAL RESOURCES/ FORESTRY (AGN)

AGN-105 Applications of Natural Resources (3)

Explores software, hardware and applications used in the natural resource field. Emphasizes desktop publishing, GPS/GIS and interpretive applications. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

AGN-140 Native Plants (3)

Identifies plant materials existing in natural woodlands, roadsides and prairies. Special emphasis is placed on prairie forbs. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 2.0 lecture, 2.0 lab

AGN-220 Avian Wildlife (3)

Includes training in identification and management of nesting and game birds of the upper Midwest. Environmental requirements and relationships are included. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 3.0 lecture

AGN-223 Aquatic Wildlife (3)

Studies the identification of fish, amphibians and reptiles native to Iowa. Emphasis is placed on habitat requirements and management concerns. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 3.0 lecture

AGN-226 Mammalian Wildlife (3)

Provides training in identification and management of upper Midwest mammals. Environmental requirements and relationships are stressed. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 3.0 lecture

AGN-235 Park and Recreation Administration (3)

Examines the organization and administration of park systems and recreational programs. Current issues in park management are covered. Arts & Sciences Elective Code: B; Comments: Must be a second-year student

Hours per week: 3.0 lecture

AGN-240 Natural Resources Interpretation (3)

This course develops skills in all facets of interpretation. Nature walks, public presentations, displays, news releases and photography are incorporated into interpretive exercises. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 3.0 lecture

AGN-244 Wildlife Management (3)

Students learn proper wildlife management through carefully planned and maintained reserves, preserves and refuges. Management techniques presented include those for game, non-game and aquatic animals. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 2.0 lecture, 2.0 lab

AGN-248 Natural Resources Appreciation (3)

Surveys the nonliving natural resources of Iowa. Examines how park and recreation agencies integrate these resources into their overall programs. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 3.0 lecture

AGN-250 Park Maintenance Programs (3)

Includes development and analysis of maintenance programs for buildings, campgrounds, lake areas and related recreational facilities. Arts & Sciences Elective Code: B; Comments: Second-year student

Hours per week: 2.0 lecture, 2.0 lab

AGN-260 Wildland Firefighter Training (3)

Covers the four training segments required for wildland firefighter certification: S-130 reviews basic wildland firefighting skills, S-190 studies fire behavior and the environmental factors that affect fire behavior, L-180 addresses human factors on the fireline, and I-100 studies the wildland firefighting management system. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGN-270 Watershed Assessment and Management (3)

Focuses on the basic concepts of watershed processes, including how water, sediment and nutrients are transported downstream in the drainage network. Describes the primary components of streams and how stream hydrology and water quality can be altered by human activities. Discusses strategies for watershed assessment and implementing best management practices. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGN-280 Introduction to Forestry Management (3)

Examines the application of silvicultural practices to the management of rural and urban forest resources in Iowa. Includes basic tree structure and function, forest communities in Iowa, the identification of forest pests, forest mensuration, and the development of a management plan. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGN-300 Rain Gardens and Bioretention Cells (3)

Addresses the use of rain gardens and bioretention cells for stormwater quality management and landscape beautification. Covers function, design, landscape positioning, installation, and maintenance of rain gardens and bioretention cells. Focuses on integrating rain gardens and bioretention cells into site planning and design, as well as installing and maintaining them on Iowa landscapes. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture