Science of Wildlife and Forestry Management - 0182

Course provides the information necessary for the cultivation and care of forests or timberlands. Forestry topics covered are the processes of regeneration and reforestation, conservation of natural resources, erosion control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, and recreational uses. Wildlife topics include land and ecological systems that enable non-domesticated animals to thrive. Emphasize on how humans and animals may both take advantage of the same land, how to gain economic benefits from the land while not degrading its natural resources or depleting the plant and animal populations.

ENVIRONMENTAL RESOURCES

Defining Forests

Understanding Forest Ecology

Recognizing the Importance of Forests

Understanding the Growth and Decline of Forest Trees

Identifying Diseases and Pests of Forest Trees

Identifying the Role of Government in Forest Management

Measuring Trees

Measuring Timber Stands

Understanding the Role of Fire in Forest Management

Harvesting Forest Trees

Examining Reforestation Practices

Applying Safe Practices in Forest Management

Identifying Forest Products and Uses

Understanding the Characteristics of Wood

Processing Forest Products

Protecting and Preserving Wood

Defining Urban Forestry

Selecting Trees for Urban Growing Conditions

Transplanting Trees

Pruning Trees in Urban Settings

Exploring the History of Wildlife Conservation

Describing Species Endangerment

Identifying Problems Caused by Wildlife

Understanding Life Processes

Understanding the Food Chain and Natural Selection

Defining Wildlife Habitat and Recognizing its Importance

Conserving Wildlife and Wildlife Habitat

Creating a Wildlife Habitat

Exploring the Aquaculture Industry

Understanding the Environmental Requirements for Fish

Describing Nutritional Requirements for Fish

Identifying Fish Digestion and Feeding

Propagating and Selling Fish

Identifying and Classifying Game Birds

Identifying Foods and Environmental Requirements

Raising Game Birds

Managing Wildlife Populations

Identifying and Classifying Game Animals

Identifying Foods and Environmental Requirements

Evaluating Wildlife Habitats

Managing Wildlife Populations

Harvesting and Preparing Game Animals