

# What you'll learn and what you'll receive



We promise you a highly useful and practical learning experience. This course is well written and easy to follow—yet challenging at the same time.

Enjoy it and use it well: it could be your first step toward a more satisfying, more rewarding future.

## How your home study course works

### Learn at your own pace

The Professional Forestry and Wildlife Conservation Program is a career-level, 15-lesson course.

Complete it on your own schedule, in your spare time. Start, stop, read, review, and complete your assignments at whatever pace suits you. It's possible to graduate in a year or less. But feel free to proceed more quickly or take more time—as your schedule allows.

**Clearly organized for maximum learning.** Each lesson begins with your instructor's preview. The reading assignment follows. A practice quiz lets you check what you've learned. Then, when you're ready, simply complete and submit the lesson's open-book exam.

Your instructor will monitor your progress, and—along with our team of career educators—will answer your questions and give you feedback when you need it. We're never farther away than your mailbox or telephone.

**A brighter future awaits you.** We look forward to welcoming you into The School of Conservation. We'll be with you every step of the way!

### Send or call now!

You'll find your Enrollment Agreement in our literature package. Send it in today—or call the toll-free number below to charge your *low* down payment on your MasterCard, VISA, American Express, or Discover card.

**Call toll-free: 800-223-4542**

### The School of Conservation

**Professional Career Development Institute**  
430 Technology Parkway, Norcross, Georgia 30092  
www.pcdi.com

Please note: to provide you with the finest possible instruction, we regularly update and improve the study materials in The Professional Forestry and Wildlife Conservation Program. Therefore, we reserve the right to change the lessons, supplements, and equipment you receive from those shown in the brochure.

Copyright © Professional Career Development Institute

L218NN.R2

## All these study materials are yours to keep!



Your lesson books, texts, supplements, and equipment will be your lifelong resources—first as you study, and later as you dedicate yourself to a future in conservation. Each lesson covers key, *practical* aspects of conservation—designed to help you achieve your goals in this worthwhile field.

# Here's what you'll learn

## Fifteen "real-world" lessons for conservation professionals

**Lesson 1: LESSONS FROM ECOLOGY.** Understanding the relationships between organisms and their environment; principles of ecology; the ecosystem defined; the two laws of energy; food chains of various organisms; the biomes: forests, grasslands, tundras, and deserts.

**Lesson 2: THE HUMAN POPULATION PROBLEM.** How population growth rates are determined; overpopulation and its effect on the environment; methods of birth control; comparing population trends of different countries; solutions to the population problem.

**Lesson 3: THE NATURE OF SOILS.** Where soil comes from; the importance of fertile soil development; the characteristics and composition of different kinds of soil: loam, gravel, sand, silt, and clay; soil structure; determining quality in good soil and poor soil; the soil profile; ten major classifications of soil.

**Lesson 4: SOIL CONSERVATION AND AMERICAN FARMS.** Problems threatening usable farmland; critical issues concerning land use; natural and accelerated erosion; factors affecting natural erosion including rainfall, soil structure, and topography; erosion control practices; soil fertility conservation; synthetic fertilizers.

**Lesson 5: FEEDING A HUNGRY PLANET.** Understanding the world hunger crisis; undernutrition and malnutrition; increasing the efficiency of food production; strategies for overcoming hunger; genetic, chemical, and electronic ways of producing food; reducing pest damage; how new food sources are being developed.



*Conservation professionals often enjoy 'spreading the good word' about environmental protection. With our training, you could be confident in your ability to interact with people of all ages, introducing them to nature, wildlife, and how to care properly for our world.*

**Lesson 6: WATER.** Factors contributing to shortages of water; phases of the water cycle; oceans, groundwater, surface water, and evaporation; problems with the water supply; the environmental impact of floods and droughts; flood control; methods of irrigation; techniques for conserving water; ground water resources; desalination; rainmaking; iceberg harvests; water diversion.

**Lesson 7: WATER POLLUTION.** Types of water pollution and their origins; how pollution is being controlled; classifi-



*Your diploma is the final and most important item you'll receive from The School of Conservation. Display it proudly—it's a nationally accredited symbol of the practical knowledge and skills you've acquired.*

cation of lakes; algae and weeds; over-production of nitrates and their effect on ground water; groundwater pollution; thermal and toxic chemical pollution; metal pollution; sewage treatment and disposal; new technologies for improving water quality; effects of oil spills; uses for sludge; disposal of industrial wastes.

**Special Report: TIME MANAGEMENT GUIDE.** Efficient techniques for conservation professionals.

**Lesson 8: FISHERIES MANAGEMENT.** The ecosystems of streams and lakes; the impact of weather and seasonal changes on lakes; the reproductive nature and cycles of fish; environmental factors affecting the lifespans of fish; controlling the fish population; laws protecting fish; populating aquatic systems; improving habitats for freshwater fish; removing undesirable fish; the pros and cons of creating artificial lakes; responsibilities of fisheries managers.

**Lesson 9: COASTLANDS, ESTUARIES, AND OCEANS.** The problems caused by coastal erosion; methods of controlling coastal erosion; coastal marshes and wetlands; the marine ecosystem; three zones in oceans; food chains in oceans; types of ocean pollution and efforts to control them; the effects of dumping plastic and waste in oceans; dangers facing whales and porpoises; locating and harvesting fish; sea farming; the ocean fishing industry.

**Lesson 10: RANGELAND MANAGEMENT.** Growth characteristics of range grasses; types of grazing livestock; laws regulating range abuse; range composition: plant types and pasture conditions on ranges; duties of ranchers and range managers; techniques for rangeland improvement; insect and predator control; how ranges deteriorate.

**Lesson 11: FOREST MANAGEMENT.** The many uses of forests; methods of reseeding and planting; how reforestation is accomplished; timber harvesting; hybridizing trees; controlling forest pests; forest fires and wildfire; methods of fighting forest fires; America's tree supply; the demand for wood products and paper; causes of tropical rain forest depletion; duties of the U.S. Forest Service.

**Lesson 12: WILDLIFE EXTINCTION.** Wildlife populations and the problem of extinction; dynamics of species populations; predators and parasites; factors regulating plant and animal population size; the dynamics of animal survival; habitat destruction and causes of a species decline; causes of species extinction; effects of hunting on animal populations; methods for preventing extinction; provisions of current legislation protecting endangered species.

**Lesson 13: WILDLIFE MANAGEMENT.** Principles of wildlife management; types of wildlife habitats; animal movement explained (dispersal of young, mass emigration, and migration); organic and non-organic poisoning; why deer and waterfowl die; national wildlife refuges; protecting and controlling wildlife; duties of a wildlife manager.

**Lesson 14: PESTICIDES: CROPS, HEALTH, AND THE ENVIRONMENT.** The pest problem and its origin; types of chemical pesticides; benefits and hazards of pesticide use; environmentally sound alternatives to pest control; laws regulating pesticides; environmental pest management; pest control in farms, rangelands, and forests.

**Lesson 15: MANAGING WASTES IN THE HUMAN ENVIRONMENT.** Types of municipal waste; solid waste management; approaches to recycling; the pros and cons of dumps, landfills, composting, and incineration; types of toxic waste and their effect on the environment; laws regulating waste disposal; managing and disposing of hazardous waste.

**Special Bonus: A CONSERVATIONIST'S CAREER SEARCH GUIDE.** A manual to assist you in achieving your goals.

## Included at no extra charge

In addition to your course materials, you'll also receive these professional quality supplies as a student in The Professional Forestry and Wildlife Conservation Program. All are yours at *no* extra charge:

- A lensatic compass with rugged pop-open case.
- A fifteen-function, Swiss-design army knife.
- A color-coded map of the 450 public national wildlife refuges in the United States.

Use these accessories while you explore the outdoors—first during your studies, and then later in "real-world" applications.

