

## **Course Annotation**

Course Title: **Economics of Nature Management**

Credits: 3 (108 h.)

### **Course objective**

Developing knowledge system in the area of economic management of natural resources, the use of environmental and economic tools for environmental protection, green economy and sustainable use of natural resources, assessment of environmental damage from contamination and determination of the cost-effectiveness of environmental protection measures.

### **Course task**

Developing economic thinking of prospective specialists-ecologists; mastering methods, tools and techniques for determination of the environmental and economic efficiency of environmental protection measures, economic losses from anthropogenic pollution and compensation rate.

### **Course main chapters**

The objects and tasks of the discipline; the role in training specialists. Ecological and economic problems of preventing and eliminating pollution. Indices and standards used in peer reviews of environmental industrial activities. The concept of eco-destructive impact on the nature. The concept of economic value of the nature. Differences in methods of environmental and economic assessment of natural resources and natural wealth. Charges for the use of natural resources in Ukraine. Assessment of the economic damage caused by environmental pollution and nature degradation. Payments for environmental pollution. Greening the economy and management of natural resources. Market nature of the economic mechanism of green economy. The concept of ecological and economic sustainable development. The use of environmental and economic instruments in environmental state management and environmental protection.

### **Learning outcomes**

After attending the course students will be able to:

- assess and calculate the economic damage and the size of damages caused by pollution and degradation of the environment;
- determine the payments for using the natural resources and payments for environmental pollution;
- analyze the level of ecological compatibility of ware and production;
- calculate the economic effectiveness of conservation measures, energy- and resource-saving technologies.

### **Teaching methods used:**

- lectures and practical training sessions.

Final **assessment** of student's knowledge and practical skills is **test**.

**Head of the Ecology Department,  
Professor**

**A.I. Gorova**