

## **Course Annotation**

Course Title: **Strategy for Sustainable Development**

Credits: 1 (36 h.)

### **Course objective**

Introduction to the main principles of the state environmental policy, current environmental legislation and specificity of the sustainable development of regions and industries.

### **Course tasks**

Introduction to the basic principles, methods and ways of forming the strategies for sustainable development of regions and industries.

### **Course main chapters**

The concept of system and development (mechanisms of functioning and systems stability, principles of environmental sustainability). International and national legislative and legal framework of society's transition to sustainable development. The principles of functioning of socio-economic systems. Academic background of the sustainable development principles formation. World-view, ethics and sustainable development. Peculiarities of local strategies formation for sustainable development and local action plan of the environmental protection. Modeling and forecasting scenarios in sustainable development strategies and local plans of action. Monitoring of the environmental policies implementation and justification of making management decision based on the concept of sustainable development. Indicators and indices of sustainable development, system of global measurement of sustainable development. Improving the life quality and decreasing the socio-economic and environmental risks during the transition to sustainable development. Development and resources. Economic, social and moral aspects of production and consumption. Environmental policy and institutional indicators. Education principles for sustainable development and its ways of incorporating into educational programs.

### **Learning outcomes**

After attending the course students will be able to:

- identify the social and environmental situation on the level of industrial object, industrial branch or region;
- analyze the natural and socio-economic systems to determine the relationships between factors of their development;
- calculate local, regional indicators and indices of sustainable development for analysing of the state (level of adaptation) the social and economic systems;
- carry out the monitoring of environmental policy and justify the management of making decision based on the concept of sustainable development;
- develop educational programs to raise the public awareness about the principles of sustainable development and to provide their understanding.

### **Teaching methods used:**

- lectures.

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

**Head of the Ecology Department,  
Professor**

**A.I. Gorova**