iTMO

CORPORATE ENVIRONMENTAL MANAGEMENT

Course Workload		Assessment form (examination/ graded test/ ungraded test)
ECTS	Hours	
3	108	Exam

Knowledge: International standard series ISO 14001 in the field of environmental management.

Course structure:

1. INTRODUCTION TO INTERNATIONAL ENVIRONMENTAL STANDARDS
   1.1. International environmental standards Development of the ISO 14000 series.
   1.2. History of the environmental management system.

2. BASIC PRINCIPLES AND STANDARD METHODOLOGY ISO 14001
   2.1. Purpose of the environmental management system Methodology of the standard — PDCA model.

3. UNDERSTANDING THE ENVIRONMENT ORGANIZATIONS
   3.1. Understanding the organization and its context.

4. LEADERSHIP IN THE SYSTEM ECOLOGICAL MANAGEMENT
   4.1. Leadership and management commitment.
   4.2. Leadership and management commitment.
   4.3. Organizational roles, responsibilities, and authorities.

5. PLANNING IN THE SYSTEM ECOLOGICAL MANAGEMENT
   5.1. Actions to address risks and opportunities.
   5.2. Environmental targets and planning to achieve them.

6. MEANS OF SUPPORT ECOLOGICAL MANAGEMENT
   6.1. Organization resources.
   6.2. Competence of employees.
   6.3. Awareness.
   6.4. Information exchange.
   6.5. Introduction of documented information.

7. ACTIONS AND PROCESSES IN THE SYSTEM OF ECOLOGICAL MANAGEMENT

7.1. Planning and managing activities.

7.2. Preparedness of the organization for emergencies and other abnormal situations.

8. EVALUATION OF RESULTS ACTIVITIES: MONITORING, ANALYSIS, INTERNAL AUDIT

8.1. Monitoring, measurement, analysis, evaluation.

8.2. Conducting an internal environmental audit. ISO 19011 audit requirements.

8.3. Management review.

9. CONTINUOUS IMPROVEMENT ECOLOGICAL MANAGEMENT

9.1. Identification of non-compliance with environmental requirements.

9.2. Development of corrective actions.