Course Summary
Course Title: STANDARDIZATION OF ENVIRONMENTAL POLLUTION
Credits: 3 (108 h.)

Course objective
Mastering theoretical knowledge and practical skills on in the sphere of standardization anthropogenic impact on the environment.

Course task
Knowledge formation in the field of pollution rating in the air, water bodies, soils and other environmental elements.

Course outlines
The anthropogenic load standardization relevance; classification of environmental pollution and effects. Comprehensive analysis of environmental condition. Methodology of quality criteria and natural environmental study. Environmental regulation. Maximum permissible environmental load concept. Environmental Quality Management and standardization. Sanitary and hygienic regulation. Toxicology rationing fundamentals. Air pollution regulation methods. Wastewater standardization methods. Standardization methods for Earth surface and Earth interior protection. Applied use of normalization methods for various environmental elements. Energy contamination rationing.

Learning outcomes
After completing the course the students should be able to:

- analyze the environmental state;
- know the environmental quality criteria and natural environment investigation methods;
- know the basic principles of environmental regulation and the methods of determining the maximum permissible environmental load under the transformation and migration of harmful substances in the biosphere;
- analyze the environmental quality management methods;
- know and use the system of quality standards in Ukraine, international standards and other regulations;
- know the basic terms and concepts of sanitary and hygiene standards;
- classify hazardous substances according to toxicological parameters'
- know the standardization methods of harmful substances in the air, wastewater standardization methods and standardization methods for Earth surface and interior protection;
- estimate the dispersion conditions of harmful substances in the air and wastewater;
- know and normalize the energy pollution (noise, vibration, electromagnetic radiation, radiation).

Training activities: lectures and practical studies.

End-of-the-term assessment: examination.

Head of the Ecology Department,
Professor A.I. Gorova