Course Annotation
Course Title: Methods of Measuring Environmental Parameters
Credits: 4 (144 h.)

Course objective
To provide insight into the variety of methods and means of environmental state control.

Course tasks
To create awareness of the basic chemical, physical and physicochemical methods of measurement of environmental parameters.

Course main chapters

Learning outcomes
After attending the course students will be able to:
- Approach to the analysis of the environment in accordance with the objectives of research,
- Take samples of objects of the environment in accordance with the requirements of appropriate methods of analysis,
- Perform statistical treatment of measurements, calculate measurement error;
- Know methods of preservation, dilution, concentration, and concealment of samples;
- Determine a sufficient amount of the environmental samples, taking into account the method of analysis,
- Display test results in a confidence interval and evaluate the accuracy of the analysis;
- Analyze the results of measurements of environmental parameters in terms of their compliance with sanitary requirements.

Teaching methods used:
- lectures and laboratory training sessions.

Final assessment of student’s knowledge and practical skills is examination.

Head of the Ecology Department,
Professor
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