

Structure

Written by Administrator

Tuesday, 13 April 2010 11:07 - Last Updated Wednesday, 11 November 2015 14:03

The Institute consists of 4 departments:

Department of Ecology and Environmental Safety

Department of Computer-aided Ecological and Economic Monitoring and Engineering Graphics

Department of Chemistry and Chemical Technology

Department of Physical Culture (Sport)

Department of Ecology and Environmental Safety

The Department is the main for studying of students for all degrees in “Ecology, environment protection and balanced nature handling”. It was established in 2007 after transformation of Department of Chemistry and Environmental Safety. The Department was one of the first where environmental courses for different specialities were introduced. During these courses students gain caring position to the nature, study engineering ways for environmental problems solving, that is very valuable for future managers and technologists. Besides, the Department gives a lot of other courses – environmental, biological etc., which are useful for future ecologists and environmentalists. The first students came in 2000/2001 academic year and now we have up to 200 specialists graduated our Institute, which work not only in Vinnytsia region but in whole country. Department proceeds active scientific work. The Department conducts numerous researches with finance support of State and private funds. Fields of research:

- devices and methods of environment pollution control;

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- waste management;

- remote air pollution control;

- restoration of polluted sites;

- bio-indication of water pollution;

- treatment of toxic waste.

Department of Computer-aided Ecological and Economic Monitoring and Engineering Graphics

The Department consists of two sections: Section of Computer-aided Ecological and Economic Monitoring and Section of Engineering Graphics.

The Department is engaged in the theoretical foundations of designing and developing of software of automated data collection, storage and processing for environmental and economic monitoring, management of natural resource, modelling, forecasting, management and control of environmental decisions support systems in urban planning management, transport, energy, natural resources usage and other sectors of the national economy with the use of advanced information technologies, including GIS, databases, web technologies.

For all university students the Department gives annual course on geoinformation systems and

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technologies. And for students of Institute of Ecology and Ecological Cybernetics it gives courses connected to modelling and optimization of environmental systems, data processing, geoinformation systems, computer monitoring systems etc.

Department of Chemistry and Chemical Technology

The Department was founded in 2008 on the base of the former Department of Chemistry and Environment Safety. The Department gives course "Chemistry" for all university's students. For students of our Institute it provides chemical background through giving courses "Chemistry and grounds of Biogeochemistry", "Physical Chemistry", "Organic Chemistry of Processing Industry", "Analytical Environmental Chemistry" and others.

The scientific field of the Department is ecological aspects of modern technologies and development of technical solutions for utilization and treatment of industrial waste and emissions.

In 2009 the Department established scientific Laboratory for technological processes and synthesis, where important technological processes are dealt with: biofuels producing, methods of treatment of toxic organic compounds.

Department of Physical Culture (Sport)

The main goal of the Department is providing the physical training of students. The Department has a modern athletic stadium, 2 sport halls, shooting gallery, a lot of game spots, sport camp at the picturesque place. There are also other features for students: sports and recreation centre, halls for gymnastics, yoga, table tennis etc. The Department also gives the opportunity to get

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bachelor degree in "Sport management".