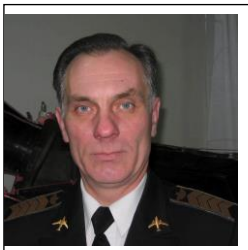



	<b>Syllabus of educational discipline</b> <b>«OPERATION OF COMPRESSOR STATIONS»</b> <b>Specialty: 142 "Power Machinery"</b> <b>Field of knowledge: 14 "Electrical Engineering"</b>
<b>Level of higher education</b>	The second (master's) level of higher education corresponds to the eighth qualification level of the NRC of Ukraine
<b>Discipline status</b>	The academic discipline of the selective component from the professional list
<b>Course</b>	1 course
<b>Semester</b>	2 semester
<b>The scope of discipline, ECTS credits / hours</b>	4 credits / 120 hours
<b>Language of teaching</b>	Ukrainian, English
<b>What will be studied (subject of study)</b>	Operation of facilities and equipment of compressor stations of main gas pipelines
<b>Why it is interesting / necessary to study (goal)</b>	It is mandatory for appointment to management and engineering positions in the specialty and research engineer
<b>Why you can learn (learning outcomes)</b>	Forms professional functions of a researcher, research engineer, interest in certain branches of electrical engineering with the possibility of further study in the program of the third level of higher education (Doctor of Philosophy)
<b>How to use the acquired knowledge and skills (competencies)</b>	Forms a complete list of competencies (integrated, general and professional) according to OPP "Gas turbines and compressor stations" specialty 142 «Power Machinery»
<b>Educational logistics</b>	<p><b>Course content:</b> Operation of facilities and equipment of compressor stations of main gas pipelines</p> <p><b>Types of classes:</b> lectures, practical classes, undergraduate practice</p> <p><b>Teaching methods:</b> the following teaching methods are used, such as explanatory-illustrative method, problem-based teaching method, reproductive and research methods, educational video material of Ariel (USA) on the study of technological schemes and configurations of technological equipment.</p> <p><b>Forms of training:</b> The implementation of these methods is carried out during lectures, demonstrations, independent problem solving, work with educational literature, analysis and solution of problems with the assessment of the safety of operation of technological equipment</p>
<b>Prerequisites</b>	The discipline "Operation of compressor stations" is based on knowledge of the discipline "Mathematical modeling of systems and processes", "Operating mode of the main gas pipeline" and "Automobile gas-filling compressor stations"
<b>Details</b>	The discipline "Operation of compressor stations" complements such disciplines as: "Compressor stations of main gas pipelines", "Systems of automatic control of compressor stations" and gives theoretical preparation for undergraduate practice
<b>Information support from the repository and fund of STL NAU</b>	An educational and methodical complex has been created in the repository of STL NAU
<b>Location and logistics</b>	More than ten specialized classes with engine layouts, three computer classes. Agreements with all divisions of NJSC "Naftogaz of Ukraine" on scientific and technical cooperation with the possibility of production practices, internships and employment
<b>Semester control, examination methods</b>	Differentiated credit, credit cards offer to solve a conditionally created situation that may arise when performing duties in engineering positions at the enterprise

<b>Department</b>	Aeroengines
<b>Faculty</b>	Aerospace Faculty
<b>Teacher (s)</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">   </div> <div style="width: 65%;"> <p><b>FFName Kapitanchuk Kostiantyn Ivanovych</b>  <b>Position:</b> Associate Professor  <b>Academic degree:</b> Associate Professor  <b>Teacher profile:</b>  <a href="mailto:kostiantyn.kapitanchuk@npp.nau.edu.ua">kostiantyn.kapitanchuk@npp.nau.edu.ua</a>  <b>Phone.:</b> 406-75-76  <b>E-mail:</b> <a href="http://kafad.nau.edu.ua/">http://kafad.nau.edu.ua/</a>  <b>Workplace:</b> 10-211</p> <p><b>FFName: Andriets Oleksandr Grigorovych</b>  <b>Position:</b> Associate Professor  <b>Academic degree:</b> Associate Professor  <b>Teacher profile:</b>  <a href="mailto:oleksandr.andriets@npp.nau.edu.ua">oleksandr.andriets@npp.nau.edu.ua</a>  <b>Phone.:</b> 406-75-76  <b>E-mail:</b> <a href="http://kafad.nau.edu.ua/">http://kafad.nau.edu.ua/</a>  <b>Workplace:</b> 1-113</p> </div> </div>
<b>Originality of academic discipline</b>	All types of classes are held in the form of presentations and the use of videos on the topic
<b>Link to discipline</b>	<a href="http://www.turbinist.ru">www.turbinist.ru</a> <a href="https://er.nau.edu.ua/handle/NAU/55906">https://er.nau.edu.ua/handle/NAU/55906</a> <a href="http://utg.ua">http://utg.ua</a> <a href="http://www.avid.ru/eks/diag/">http://www.avid.ru/eks/diag/</a> <a href="http://jrnl.nau.edu.ua/index.php/visnik">http://jrnl.nau.edu.ua/index.php/visnik</a> <a href="https://www.khai.edu/ru/site/aviatsionno-kosmicheskaya.html">https://www.khai.edu/ru/site/aviatsionno-kosmicheskaya.html</a>