

NORTH-EASTERN

FEDERAL UNIVERSITY NAMED AFTER M.K.AMMOSOV

Course/program title	Applied Ecology in the field of Power Industry
Main goals and topics of the course/program	<p>The learning objective of the course is to develop and upgrade students skills in the sphere of ecological aspects of modern power industry and regional legislations, and to outline the international obligation of Russia on the issue of applied ecology in the field of power industry.</p> <p>This course is aimed at raising the level of basic qualifications of students, propagating an urgent importance of ecological safety as one of the factors providing high-quality life conditions in the process of industrial objects functioning on the regional and state scale.</p> <p>The learning process of the course is distinguished by multidiscipline character as it integrates the knowledge about environment and energy saving on the basis of the world experience; at that this programme allows to forecast and solve the issues dealt with ecology of the power industry in the frames of various specialties.</p> <p>The course aims at forming the general understanding of the following thematic fields:</p> <ul style="list-style-type: none">- basic terms and principles of environmental security;- basic knowledge about ecology of power industry;- Green Audit;- the impact of power industry on the environment;- efficiency enhancement of power industry and consumption - an alternative in solving ecological problems of energy);- industrial emissions clean-up;-ways of treating the emissions of power industry and consumption;- alternative sources of power, green sources of energy ;- the ecology of Sakha Republic;- fundamentals of environmental law and control. <p>The structure and content of the program: 1/ Basic terms of ecology in the field of</p>

	<p>power industry. 2/ Environmental law. 3/ Ecological analysis of industrial projects. 4/ Ecological methods and systems of industrial emissions treatment. 5/ Energy saving and ecology. 6/ Northern ecology. 7/ Green Audit.</p>
Name of the department/institution offering the course	<p>Technical Institute (Nerungry) The Department of Electric Drive and Production Processes Automation</p>
Name of lecturer/supervisor	<p>Kiushkina Violetta Raphikovna</p>
E-mail of lecturer/supervisor	<p>viola75@mail.ru</p>
Number of ECTS-Credits	<p>30 ECTS-Credits</p>