

## NORTH-EASTERN

### FEDERAL UNIVERSITY NAMED AFTER M.K.AMMOSOV

<b>Course/program title</b>	<b>Fundamentals of electric lighting. Calculation and designing of lighting installations. Energy saving in lighting.</b>
<b>Main goals and topics of the course/program</b>	<p>Purpose of the course is forming of fundamental training in the sphere of energy sector.</p> <p>The structure and content of the program:</p> <ol style="list-style-type: none"><li>1/ The basic concepts of lighting. The types of coverage. Peculiarities of design.</li><li>2/ Design features of natural lighting.</li><li>3/ Design features of artificial lighting.</li><li>4/ Design features of projector lighting.</li><li>5/ Lighting system.</li><li>6/ Characteristics and classification of lamps.</li><li>7/ Choice of luminaires with lighting characteristics.</li><li>8/ Choice of lamp design. Degree of protection of fixtures.</li><li>9/ Operation of lighting installations.</li><li>10/ Energy-saving measures in the light.</li></ol>
<b>Name of the department/institution offering the course</b>	The Department of Electric Drive and Production Processes Automation
<b>Name of lecturer/supervisor</b>	Sharipova Anzhela Ramilievna
<b>E-mail of lecturer/supervisor</b>	frolicsome_girl_@mail.ru
<b>Number of ECTS-Credits</b>	