

NORTH-EASTERN FEDERAL UNIVERSITY NAMED AFTER M.K.AMMOSOV

Course/program title	Research of Functions
Main goals and topics of the course/program	<p>Purpose of the course is forming of mathematic culture, fundamental training in the sphere of functions research, mastering the contemporary terms of functions research for its further usage in solution of Applied Mathematics and Informatics tasks</p> <p>The structure and content of the program:</p> <p>1/ Functions of one variable, its property.</p> <p>2/ Elementary functions and their schedules in the Cartesian system of coordinates.</p> <p>3/ Elementary transformations of schedules of functions in the Cartesian system of coordinates.</p> <p>4/ The functions set parametrically and their graphics.</p> <p>5/ Polar system of coordinates.</p> <p>6/ The generalized polar system of coordinates.</p> <p>7/ Plotting in polar system of coordinates.</p> <p>8/ Some remarkable curves.</p> <p>9/ General scheme of research of functions and creation of the schedule.</p> <p>10/ Solution of applied tasks.</p>
Name of the department/institution offering the course	Technical Institute (Nerungry) Applied Mathematics and Informatics Department
Name of lecturer/supervisor	Saltetskaya Nataly Vasilievna
E-mail of lecturer/supervisor	salteckaya@mail.ru
Number of ECTS-Credits	2 ECTS-Credits

Regarding the selection of courses please contact the Center for International Education, oip-yakutsk@mail.ru Contact person: Dr. Vladlen Kugunurov