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

Course/program title	Fundamentals of mathematical analysis
Main goals and topics of the	Purpose of the course is forming of
course/program	mathematic culture, fundamental training
	in the sphere of mathematical analysis,
	mastering the contemporary terms of
	mathematical analysis for its further usage
	in solution of Applied Mathematics and
	Informatics tasks
	The structure and content of the program:
	1/ The object of mathematical analysis.
	Theory of material numbers. Numerical
	Sets.
	2/ Concept about numerical sequence.
	2/ Limit of function of one material
	variable
	1/ Infinitesimal infinitely big functions and
	their properties
	5/ First and second classical limits
	6/ Concept of a function continuity of a
	point. Points of a function rupture and their
	classification.
	7/ Derivatives and differentials of the first
	and the highest orders.
Name of the department/institution	Technical Institute (Nerungry)
offering the course	Applied Mathematics and Informatics
	Department
Name of lecturer/supervisor	Saltetskaya Nataly Vasilievna
E-mail of lecturer/supervisor	salteckaya@mail.ru
Number of ECTS-Credits	4 ECTS-Credits

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