EDUCATIONAL MAP of COURSE

Modern problems of applied mathematics and informatics

5 ECTS; Total: 180 h, including: 36 h lectures, 54 h lab work, 90 h individual work

Instructors: Prof. Nasedkin A.V., Dr. Nasedkina A.A.

Department _____Mathematical Modeling_____

Master's degree programme, year 1, semester 1
Specialty: 01.04.02 "Applied Mathematics and Informatics"

№	Control activities	Control throughout semester	Final control
	Module 1. **Modeling of coupled physico-mechanical problems, numerical methods and finite element software**	**0**	**40**
1.	Written colloquium, question 1 **or** solving problems on Task 1	-	20
2.	Written colloquium, question 1 **or** solving problems on Task 2	-	20
	Module 2. **Practice on solving the physico-mechanical problems using modern finite element software**	**60**	**0**
1.	Laboratory work 1	12	-
2.	Laboratory work 2	12	-
3.	Laboratory work 3	12	-
4.	Laboratory work 4	12	-
5.	Laboratory work 5	12	-
	Total	**60**	**40**
	Bonus points	**up to 10**	Can be obtained by active classroom work, regular attendance in classes, early completion of individual tasks

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