

## **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
	<b>Module 1. Modeling of coupled physico-mechanical problems, numerical methods and finite element software</b>	<b>0</b>	<b>40</b>
1.	Written colloquium, question 1 or solving problems on Task 1	-	20
2.	Written colloquium, question 1 or solving problems on Task 2	-	20
	<b>Module 2. Practice on solving the physico-mechanical problems using modern finite element software</b>	<b>60</b>	<b>0</b>
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	-
	<b>Total</b>	<b>60</b>	<b>40</b>
	Bonus points	<b>up to 10</b>	Can be obtained by active classroom work, regular attendance in classes, early completion of individual tasks

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