

EDUCATIONAL MAP of the 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 2, semester 3

Specialty: 01.04.02 "Computational Modeling in Technology and Finance"

No	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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