

List of modules for “Differential equations, dynamic systems and optimal control”

Block 1

1. Foreign language
2. History and philosophy of science
3. Research methodology
4. Basics of teaching in higher education institutions
5. Differential equations, dynamic systems and optimal control
6. Differential equations with elements of mathematical physics equations
7. Mathematical models of vibration protection and vibration isolation systems
8. Coding theory

Block 2

1. Production internship (research)
2. Production internship (pedagogic)

Block 3

1. Research
2. Dissertation preparation

Block 4

1. Dissertation defense

Additional courses

1. Theory and practice in research
2. Effective communication in groups
3. Systems of modeling and simulation modeling