

STUDY PLAN

(Enrolment 2017)

131 - Applied mechanics
Information systems and technologies in aircraft engineering
master's training

Faculty (Institute)

Institute of Mechanical Engineering full-time 1 years 4 months

2145 1 Possarcher Department of dynamics and strength of machines and strength of mat Distribution of class hours per week by courses and semesters Lectures/ Practical 1 Course MP-72mp(9+0)
1 semester 2 semester Code Subjects Number of hours Final tests Number of cor Number of to Number of to Correction xams 1 Intellectual Property and Patented Science 3 90 54 36 18 3 2 total number of part 1.1. 3 90 54 36 18 I.2.Basic training (optional cou Department of Cybernetics of chemical and technological processes 2 60 36 18 2 Fundamentals of Engineering and Sustainable Technology Department of the English Language of Technical Orientation № 2 3 Workshop on foreign language scientific communication 3 90 72 2 2 72 18 2 2 Department of dynamics and strength of machines and strength of materials 3 90 54 18 3 4 Project management in high technology engineering 1 2 36 36 2 total number of part 1.2. 8 240 162 36 Department of dynamics and strength of nachines and strength of materials 5 Scientific work on the topic of master's thesis 1. Basics of the scientific research 2 60 27 9 18 33 Scientific work on the topic of master's thesis1. Scientific work on the topic of master's thesis 60 total number of part 1.3. 4 120 45 9 75 TOTAL IN GENERAL TRAINING 15 450 261 81 180 II.1. Vocational and practical training (major courses 7 Statistical methods in mechanics 1. Probability theory, probabilistic processes and their application epartment of dynamics and strength of achines and strength of materials 4,5 135 81 1d 4,5 2,5 2 Statistical methods in mechanics 2. Reliability of mechanical Department of dynamics and strength of machines and strength of materials 72 36 5,5 165 93 4 120 3 2 54 36 18 10 Experimental Mechanics 2. Means of Measurement and Automation Department of dynamics and strength of machines and strength of materials 5 150 72 36 36 78 total number of part 2.1. 19 570 279 153 72 54 291 3 1d 11 Oscillations and stability of motion of mechanical systems 1. 1 30 9 12 Oscillations and stability of motion of mechanical systems 2. Coursework 1.5 45 45 Department of dynamics and strength of machines and strength of materials 13 The Grid Projection Methods in Mechanics i 1. 1,5 45 27 9 18 18 1 1.5 0.5 epartment of dynamics and strength of lachines and strength of materials 14 The Grid Projection Methods in Mechanics 2, Coursework 30 30 15 Strength under non-stationary loads 4 120 54 36 66 3 2 Calculation of the strength of aviation structures 1. Supporting structures of aircrafts epartment of dynamics and strength of achines and strength of materials 2 60 42 1d 17 Calculation of the strength of aviation structures 2. Strength and buckling Department of dynamics and strength of machines and strength of materials 90 54 Information systems and technologies in aviation engineering 1. Computer technologies of life cycle product support 36 18 2 1 90 18 54 19 Information Systems and Technologies in aviation engineering 2. CAD / CAE epartment of dynamics and strength of achines and strength of materials 2,5 90 45 45 2d 180 Department of dynamics and strength of machines and strength of materials 20 Structural strength 90 36 30 33 105 285 456 3 2;3d 3 3 3 5;2d 1 1 2 number of coursework personal assignment 2 1 1 Civil Protection Department of labor protection of industrial and civil security 1 30 18 10 8 1 0,6 0,4 1 12

Approved at the Meating of the Institute's Academic Counsil No. 8 on 27/03/2017

Dean of the Faculty (Director of the Institute)

Head of the Department

/ Babenko A.