

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

STUDY PLAN

for the 2018/2019 academic year

(Enrolment 2018)

peciality
pecialization

131 - Applied mechanics
Information systems and technologies in aircraft engineering
or an educational professional program of master's training

Faculty (Institute) Form of study Study duration Institute of Mechanical Engineering full-time 1 years 4 months

Posoarchor Department of dynamics and strength of machines and strength of materials Distribution of class hours per week by courses and semesters Lectures/ Practical 1 Course MP-82mp(9+0)
1 semester 2 semester Code Subjects Number of hours Final tests Number of roce
Number of house
Number of house xams Total I.1. Ba Intellectual Property and Patented Science 1. Intellectual property rights
 Intellectual Property and Patented Science 2. Patent law and acquisition of rights Department of Information Law and Intellectual Property Rights 1 0,7 0,3 1 30 18 12 Department of Design of Machine Tools and Machines 2 1,3 0,7 2 60 36 24 12 24 1 1 total number of part 1.1. 3 90 54 36 18 I.2.Basic train 3 Fundamentals of Engineering and Sustainable Technology 2 60 36 18 18 Department of the English Language of Technical Orientation № 2 2 4 Workshop on foreign language scientific communication 90 72 72 2 2 2 3 5 Project management in high technology engineering 3 90 54 18 1 2 36 36 2 total number of part 1.2. 8 240 162 36 126

1.3. Science Research (optional courses) 2 4 1 3 5 1 4 3 78 6 Scientific work on the topic of master's thesis 1. Basics of the scientific research 2 60 27 9 15 05 1 33 Scientific work on the topic of master's thesis1. Scientific work on the topic of master's thesis epartment of dynamics and strength of achines and strength of materials 2 60 2 18 18 42 total number of part 1.3. 4 120 45 9

TOTAL IN GENERAL TRAINING 15 450 261 81

II. VOCATIONAL TRAINING 75 189 1,5 0,5 1 1 1 1 2 9 4 5 6 1 5 II.1. Vocational and practical training (major courses) 8 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 45 4,5 2,5 2 Statistical methods in mechanics 2. Reliability of mechanical Department of dynamics and strength of machines and strength of materials 2 2 2 2 5.5 165 72 36 36 93 10 Experimental Mechanics 1. Mechanical characteristics and methods of their determination 4 120 3 2 Experimental Mechanics 2. Means of Measurement and 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
II.2. Vocational and practical 291 3 7,5 4,5 2 1 8 4 2 2 III.2. Vocational and practical to Department of dynamics and strength of machines and strength of materials 12 Oscillations and stability of motion of mechanical systems 1. 9 13 Oscillations and stability of motion of mechanical systems 2. Coursework 45 epartment of dynamics and strength of achines and strength of materials 14 The Grid Projection Methods in Mechanics i 1. 1,5 45 27 9 18 18 1,5 0,5 Department of dynamics and strength of nachines and strength of materials 1 15 The Grid Projection Methods in Mechanics 2. Coursework 30 30 epartment of dynamics and strength of 16 Strength under non-stationary loads 4 120 54 36 18 66 3 2 1 achines and strength of materials epartment of dynamics and strength of achines and strength of materials 60 42 1 18 Calculation of the strength of aviation structures 2. Strength and buckling partment of dynamics and strength of achines and strength of materials 2 90 2 3 2 54 36 18 36 19 Information systems and technologies in aviation engineering 1. Computer technologies of life cycle product support epartment of dynamics and strength of achines and strength of materials 3 90 36 18 18 20 Information Systems and Technologies in aviation engineering 2. CAD / CAE partment of dynamics and strength of achines and strength of materials 2 5 2.5 6 180 90 45 45 ٩n Department of dynamics and strength of machines and strength of materials Structural strength 3 90 36 27 54 2 total number of part 2.2. 26 780 324 171 TOTAL IN VOCATIONAL TRAINING 45 1350 603 324 TOTAL 60 1800 864 405 36 108 117 171 456 747 171 exams final tests modular, test works course projects number of courseworks personal assignment home tests

1	Civil Protection	Department of labor protection of industrial and civil security	1	30	18	10	8			12	1			1	0,6	0,4			

Approved at the Meating of the Institute's Academic Counsil No. 9 on 29/05/2018

Head of the Department	/ Babenko A. /	Dean of the Faculty (Director of the Institute)	/ Bobyr M.
		, , , , , , , , , , , , , , , , , , , ,	