UPDATED COURSES

Course №	Title of the course and in which program it is taught (Bachelor, Master)	Its volume (in ECTS)	Estimate the percentage of the course development
Course 1	Small spacecraft	4	24
Course 2	The basics of satellite navigation	4	24
Course 3	GIS-technologies	4	26
Course 4	Fundamentals of the theory of radiation transfer and design of optoelectronic systems for remote sensing of the Earth	4	22
Course 5	Statistical theory of radio engineering systems for navigation, radar and remote sensing	4	25
Course 6	Fast nonparametric algorithms for detecting of weak optical signals	3	23
Course 7	Laser remote methods	4	26
Course 8	Methods of processing information in a space physical experiment	4	25
Course 9	Ballistics and management of the ICA	3	25
Course 10	Special laboratory "Study of digital signal processing methods based on the ELVIS platform“	3	25
Course 11	Statistical method for data processing	4	12
Course 12	Neural network analysis	4	12

∑(Total number of updated courses) = 12
∑(Total number of ECTS) = 45

NEW COURSES

Course №	Title of the course and in which program it is taught (Bachelor, Master)	Its volume (in ECTS)	Estimate the percentage of the course development
Course 1	Intelligent robotic systems for space exploration (MA)	2.5	12
Course 2	CAD tools for design of systems on chip (BA/MA)	2	12
Course 3	Development of space-grade embedded systems (BA/MA)	2	12
Course 4	Development of space-grade embedded systems (BA/MA)	2	12
Course 5	Soft skills for engineers. Knowledge management/ Productivity improvements/ Start-up initiatives for engineers (MA)	2	12

Course 6	Employability and survival on labor market (MA)	1,5	12
Course 7	Effective communication with groups (MA)	1,5	12
Course 8	Comprehensive Blended Learning Concept for Teaching Micro Controller Technology (MA)	1,5	12

∑(Total number of new courses) = 8
∑(Total number of ECTS) = 15