



AGH

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Faculty of: Physics and Applied Computer Science

Field of study: Applied Computer Science Study level: Second-cycle studies Form and type of study: Full-time studies

Specjalty: Systemy wbudowane i rekonfigurowalne Annual: 2016/2017 Lecture language: Polish

Code	Module name	Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Others	E-learning	ECTS	E
Semester 1														
Foreign Language														
The rules for selecting groups/modules:														
IIS-2-101-SW-s	Język obcy techniczny	0	28	0	0	0	0	0	0	0	0	0	3	No
Other Basic														
IIS-2-102-SW-s	Systemy równoległe i rozproszone	28	0	24	4	0	0	0	0	0	0	0	5	Yes
IIS-2-103-SW-s	Modelling of physical systems	28	0	28	0	0	0	0	0	0	0	0	5	Yes
IIS-2-104-SW-s	Zaawansowane technologie internetowe	14	0	14	28	0	0	0	0	0	0	0	5	No
Systemy wbudowane i rekonfigurowalne - sem. 1														
The rules for selecting groups/modules:														
													10	
IIS-2-105-SW-s	Modern Electronics and DSP	28	0	28	0	0	0	0	0	0	0	0	5	No
IIS-2-106-SW-s	Projektowanie Systemów Cyfrowych	30	0	30	15	0	0	0	0	0	0	0	5	No
Moduły obieralne IS2 - sem. 1 SWiR														
The rules for selecting groups/modules: Student musi zrealizować moduły obieralne za łączną wartość co najmniej 2 punktów ECTS.														
Suma ECTS													2	
Semester 2														
Elective														
IIS-2-202-SW-s	Praktyka dyplomowa	0	0	0	0	0	0	0	0	0	0	0	4	No
Non-technical														
IIS-2-203-SW-s	Entrepreneurship	30	0	0	6	0	0	0	0	0	0	0	5	No

Study programme - Applied Computer Science - 2016/2017

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Other Basic														
IIS-2-201-SW-s	Data Mining	30	0	22	20	0	0	0	0	0	0	0	5	No
IIS-2-204-SW-s	Microprocessor techniques	20	0	22	15	0	0	0	0	0	0	0	5	No
Systemy wbudowane i rekonfigurowalne - sem. 2													8	
The rules for selecting groups/modules:														
IIS-2-205-SW-s	Advanced low-level programming	0	0	20	20	0	20	0	0	0	0	0	4	No
IIS-2-206-SW-s	Fundamentals of Quantum Computer Science	30	30	0	0	0	0	0	0	0	0	0	4	No
Suma ECTS													27	
Semester 3														
Other Basic														
IIS-2-303-SW-s	Programowanie zespołowe	10	0	20	10	0	0	0	0	0	0	0	5	No
Thesis														
IIS-2-301-SW-s	Master's thesis	0	0	0	100	0	0	0	0	0	0	0	20	Yes
IIS-2-302-SW-s	Master thesis seminar	0	0	0	0	0	45	0	0	0	0	0	5	No
Suma ECTS													30	
Semester 0 - Completion of modules in any semester														
Engineering														
IIS-2-001-SW-s	Fundamentals of Biometry	30	0	30	10	0	0	0	0	0	0	0	6	No
IIS-2-002-SW-s	Urządzenia i zastosowania biometrii	30	0	30	10	0	0	0	0	0	0	0	6	No
IIS-2-003-SW-s	Network Security	30	0	15	15	0	0	0	0	0	0	0	4	No
IIS-2-004-SW-s	Sound and Music in Computer Systems	30	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-005-SW-s	Reverse Engineering	0	0	20	20	0	20	0	0	0	0	0	5	No
IIS-2-006-SW-s	Advanced Programming Techniques	0	0	20	20	0	20	0	0	0	0	0	6	No
IIS-2-007-SW-s	Programming in Python	0	0	45	0	0	0	0	0	0	0	0	4	No
IIS-2-008-SW-s	Platforma integracyjna IBM Power Systems/IBM i	30	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-009-SW-s	Kriogenika	30	0	15	0	0	0	0	0	0	0	0	4	No
IIS-2-010-SW-s	User Interface	30	0	15	15	0	0	0	0	0	0	0	4	No
IIS-2-011-SW-s	Nadprzewodnictwo i nadciekłość	30	0	15	0	0	0	0	0	0	0	0	4	No
IIS-2-012-SW-s	Fizyka żeglowania	30	0	0	0	0	0	0	0	0	0	0	2	No
IIS-2-013-SW-s	Applications for Mobile Devices	15	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-014-SW-s	Scientific Text Edition and Presentation	15	0	15	0	0	15	0	0	0	0	0	4	No
IIS-2-015-SW-s	Fotosynteza	30	0	20	0	0	8	0	0	0	0	0	5	No
IIS-2-016-SW-s	Photosynthesis (small course)	22	0	0	0	0	6	0	0	0	0	0	3	No
IIS-2-018-SW-s	Nonlinear Dynamics	30	15	0	0	0	0	0	0	0	0	0	3	No
IIS-2-019-SW-s	Design of integrated circuits in CMOS technology, I	15	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-020-SW-s	Design of integrated circuits in CMOS technology, II	15	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-021-SW-s	Analysis of Algorithms	0	0	0	30	0	15	0	0	0	0	0	3	No
IIS-2-022-SW-s	Computer Architecture	30	0	0	0	0	0	0	0	0	0	0	3	No
IIS-2-023-SW-s	Cellular Automata	30	0	0	15	0	0	0	0	0	0	0	4	No
IIS-2-026-SW-s	VPython: 3D simulations of physical processes for everybody	15	0	30	0	0	0	0	0	0	0	0	3	No

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IIS-2-028-SW-s	Data Acquisition Systems	0	0	30	30	0	30	0	0	0	0	0	6	Yes
Mathematics														
IIS-2-017-SW-s	Wstęp do teorii gier	30	0	0	0	0	0	0	0	0	0	0	3	Yes
Other Basic														
IIS-2-027-SW-s	Fundamentals of quantum computations	28	0	0	0	0	28	0	0	0	0	0	5	Yes
Physics														
IIS-2-024-SW-s	Introduction to quantum optics	30	30	0	0	0	0	0	0	0	0	0	4	No
IIS-2-025-SW-s	Scattering theory - the minimum necessary for physicists	30	30	0	0	0	0	0	0	0	0	0	4	Yes