



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: Grafika komputerowa i przetwarzanie obrazów 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-GK-s	Język obcy techniczny	0	28	0	0	0	0	0	0	0	0	0	3	No
Other Basic														
IIS-2-102-GK-s	Systemy równoległe i rozproszone	28	0	24	4	0	0	0	0	0	0	0	5	Yes
IIS-2-103-GK-s	Modelling of physical systems	28	0	28	0	0	0	0	0	0	0	0	5	Yes
IIS-2-104-GK-s	Zaawansowane technologie internetowe	14	0	14	28	0	0	0	0	0	0	0	5	No
Grafika komputerowa i przetwarzanie obrazów - sem. 1														
The rules for selecting groups/modules:														
IIS-2-105-GK-s	Image Analysis and Processing	18	0	28	10	0	0	0	0	0	0	0	5	No
IIS-2-106-GK-s	Wideo i animacja w systemach komputerowych	0	0	15	15	0	15	0	0	0	0	0	4	No
Moduły obieralne IS2 - sem. 1 GKiPO														
The rules for selecting groups/modules: Student musi zrealizować moduły obieralne za łączną wartość co najmniej 3 punktów ECTS.														
Suma ECTS														
30														
Semester 2														
Elective														
IIS-2-203-GK-s	Praktyka dyplomowa	0	0	0	0	0	0	0	0	0	0	0	4	No
Non-technical														
IIS-2-204-GK-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-GK-s	Data Mining	30	0	22	20	0	0	0	0	0	0	0	5	No
IIS-2-202-GK-s	Microprocessor techniques	20	0	22	15	0	0	0	0	0	0	0	5	No
Grafika komputerowa i przetwarzanie obrazów - sem. 2													8	
The rules for selecting groups/modules:														
IIS-2-205-GK-s	Komputerowa edycja i przetwarzanie grafiki	30	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-206-GK-s	Geometria komputerowa	30	0	30	0	0	0	0	0	0	0	0	4	No
Moduły obieralne IS2 - sem. 2 GKİPO													3	
The rules for selecting groups/modules: Student musi zrealizować moduły obieralne za łączną wartość co najmniej 3 punktów ECTS.														
Suma ECTS													30	
Semester 3														
Other Basic														
IIS-2-302-GK-s	Programowanie zespołowe	10	0	20	10	0	0	0	0	0	0	0	5	No
Thesis														
IIS-2-301-GK-s	Master's thesis	0	0	0	100	0	0	0	0	0	0	0	20	Yes
IIS-2-303-GK-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-GK-s	Fundamentals of Biometry	30	0	30	10	0	0	0	0	0	0	0	6	No
IIS-2-002-GK-s	Urządzenia i zastosowania biometrii	30	0	30	10	0	0	0	0	0	0	0	6	No
IIS-2-003-GK-s	Network Security	30	0	15	15	0	0	0	0	0	0	0	4	No
IIS-2-004-GK-s	Sound and Music in Computer Systems	30	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-005-GK-s	Reverse Engineering	0	0	20	20	0	20	0	0	0	0	0	5	No
IIS-2-006-GK-s	Advanced Programming Techniques	0	0	20	20	0	20	0	0	0	0	0	6	No
IIS-2-007-GK-s	Programming in Python	0	0	45	0	0	0	0	0	0	0	0	4	No
IIS-2-008-GK-s	Platforma integracyjna IBM Power Systems/IBM i	30	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-009-GK-s	Kriogenika	30	0	15	0	0	0	0	0	0	0	0	4	No
IIS-2-010-GK-s	User Interface	30	0	15	15	0	0	0	0	0	0	0	4	No
IIS-2-011-GK-s	Nadprzewodnictwo i nadciekłość	30	0	15	0	0	0	0	0	0	0	0	4	No
IIS-2-012-GK-s	Fizyka żeglowania	30	0	0	0	0	0	0	0	0	0	0	2	No
IIS-2-013-GK-s	Applications for Mobile Devices	15	0	30	0	0	0	0	0	0	0	0	4	No
IIS-2-015-GK-s	Fotosynteza	30	0	20	0	0	8	0	0	0	0	0	5	No
IIS-2-016-GK-s	Photosynthesis (small course)	22	0	0	0	0	6	0	0	0	0	0	3	No
IIS-2-018-GK-s	Nonlinear Dynamics	30	15	0	0	0	0	0	0	0	0	0	3	No
IIS-2-019-GK-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-GK-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-GK-s	Analysis of Algorithms	0	0	0	30	0	15	0	0	0	0	0	3	No
IIS-2-022-GK-s	Cellular Automata	30	0	0	15	0	0	0	0	0	0	0	4	No
IIS-2-023-GK-s	Scientific Text Edition and Presentation	15	0	15	0	0	15	0	0	0	0	0	4	No

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IIS-2-025-GK-s	VPython: 3D simulations of physical processes for everybody	15	0	30	0	0	0	0	0	0	0	0	3	No
IIS-2-027-GK-s	Data Acquisition Systems	0	0	30	30	0	30	0	0	0	0	0	6	Yes
Mathematics														
IIS-2-017-GK-s	Wstep do teorii gier	30	0	0	0	0	0	0	0	0	0	0	3	Yes
Other Basic														
IIS-2-026-GK-s	Fundamentals of quantum computations	28	0	0	0	0	28	0	0	0	0	0	5	Yes
Physics														
IIS-2-014-GK-s	Introduction to quantum optics	30	30	0	0	0	0	0	0	0	0	0	4	No
IIS-2-024-GK-s	Scattering theory - the minimum necessary for physicists	30	30	0	0	0	0	0	0	0	0	0	4	Yes