



AGH

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Faculty of: Physics and Applied Computer Science

Field of study: Medical Physics

Study level: Second-cycle studies

Form and type of study: Full-time studies

Specjalty: Dozymetria i elektronika w medycynie

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														
Engineering														
JFM-2-107-DE-s	Electronic Dosimetry Devices	10	0	20	0	0	0	0	0	0	0	0	4	No
JFM-2-109-DE-s	Diploma practice	0	0	0	0	0	0	160	0	0	0	0	4	No
Other Basic														
JFM-2-101-DE-s	Physical methods in biology and medicine	28	0	28	0	0	14	0	0	0	0	0	5	Yes
JFM-2-102-DE-s	Dosimetry of Non-ionizing Radiation	28	0	28	14	0	0	0	0	0	0	0	5	No
JFM-2-103-DE-s	Electronic Medical Devices	28	0	42	14	0	0	0	0	0	0	0	4	No
JFM-2-104-DE-s	Metody rezonansowe	28	0	14	0	0	0	0	0	0	0	0	3	No
JFM-2-105-DE-s	Podstawy pierwszej pomocy	5	0	0	0	0	0	9	0	0	0	0	2	Yes
Physics														
JFM-2-106-DE-s	Promieniotwórczość w środowisku	30	0	15	0	0	0	0	0	0	0	0	3	No
Suma ECTS													30	
Semester 2														
Engineering														
JFM-2-206-DE-s	Neuroelektronika	15	0	0	0	0	18	0	0	0	0	0	3	No
JFM-2-207-DE-s	Clinical Dosimetry	15	0	15	0	0	0	0	0	0	0	0	3	Yes
JFM-2-208-DE-s	Radiobiologia i radioterapia	15	0	15	0	0	0	0	0	0	0	0	2	No
Foreign Language														
The rules for selecting groups/modules:														

Study programme - Medical Physics - 2016/2017

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JFM-2-209-DE-s	Język obcy techniczny	0	30	0	0	0	0	0	0	0	0	0	3	Yes
Other Basic														
JFM-2-201-DE-s	Metody fizyczne w diagnostyce i terapii	30	0	15	0	0	15	0	0	0	0	0	6	Yes
JFM-2-202-DE-s	Statistics in Medicine	30	0	0	15	0	0	0	0	0	0	0	3	No
JFM-2-203-DE-s	Laboratorium medyczne	0	0	45	0	0	0	0	0	0	0	0	5	No
JFM-2-205-DE-s	Detection of Nuclear Radiation in Medicine	20	0	45	0	0	0	0	0	0	0	0	5	No
Suma ECTS													30	
Semester 3														
Engineering														
JFM-2-304-DE-s	Nuclear Medicine	18	0	22	0	0	0	0	0	0	0	0	3	Yes
Non-technical														
JFM-2-303-DE-s	Moduł pozatechniczny - Zagadnienia prawno-organizacyjne w medycynie	15	0	0	0	0	15	0	0	0	0	0	5	No
Other Basic														
JFM-2-302-DE-s	M.Sc. thesis seminar	0	0	0	0	0	45	0	0	0	0	0	3	No
Thesis														
JFM-2-301-DE-s	Master's thesis	0	0	0	0	0	0	0	0	0	0	0	20	Yes
Suma ECTS													31	
Semester 0 - Completion of modules in any semester														
Elective														
JFM-2-001-DE-s	Kriogenika	30	0	15	0	0	0	0	0	0	0	0	4	No
JFM-2-002-DE-s	User Interface	30	0	15	15	0	0	0	0	0	0	0	4	No
JFM-2-003-DE-s	Nadprzewodnictwo i nadciekłość	30	0	15	0	0	0	0	0	0	0	0	4	No
JFM-2-004-DE-s	Fizyka żeglowania	30	0	0	0	0	0	0	0	0	0	0	2	No
JFM-2-007-DE-s	Fotosynteza	30	0	20	0	0	8	0	0	0	0	0	5	No
JFM-2-008-DE-s	Photosynthesis (small course)	22	0	0	0	0	6	0	0	0	0	0	3	No
Engineering														
JFM-2-013-DE-s	Design of integrated circuits in CMOS technology, I	15	0	30	0	0	0	0	0	0	0	0	4	No
JFM-2-014-DE-s	Design of integrated circuits in CMOS technology, II	15	0	30	0	0	0	0	0	0	0	0	4	No
JFM-2-015-DE-s	Microprocessor techniques	20	0	22	15	0	0	0	0	0	0	0	5	No
JFM-2-016-DE-s	Data Analysis	20	0	20	0	0	0	0	0	0	0	0	3	No
JFM-2-017-DE-s	Introduction to X-ray fluorescence analysis	15	0	0	0	0	15	0	0	14	0	0	4	Yes
JFM-2-019-DE-s	Microtomography	22	0	15	0	8	0	0	0	0	0	0	4	No
Mathematics														
JFM-2-012-DE-s	Wstęp do teorii gier	30	0	0	0	0	0	0	0	0	0	0	3	Yes
Non-technical														
JFM-2-021-DE-s	Selected aspects of Atomic law	0	0	0	0	30	0	0	0	0	0	0	2	No
Other Basic														
JFM-2-005-DE-s	Sztuczne narządy	15	0	0	0	0	0	0	0	0	0	0	2	No
JFM-2-010-DE-s	Biosensors	15	0	0	0	0	0	0	0	0	0	0	2	No

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JFM-2-011-DE-s	Techniki membranowe	15	0	0	0	0	0	0	0	0	0	0	2	No
Physics														
JFM-2-006-DE-s	Trace Analysis	15	0	15	0	0	0	0	0	0	0	0	3	No
JFM-2-009-DE-s	Introduction to atomic and molecular physics - the minimum necessary for physicists	30	30	0	0	0	0	0	0	0	0	0	4	Yes
JFM-2-018-DE-s	Laboratory of advanced nuclear techniques	0	0	30	0	0	0	0	0	0	0	0	3	No
JFM-2-020-DE-s	An introduction to quantum theory of electronic transport	30	0	0	0	0	0	0	0	0	0	0	4	No
JFM-2-022-DE-s	X-ray physics	30	15	15	0	0	0	0	0	0	0	0	6	No