



AGH

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Faculty of: Geology, Geophysics and Environmental Protection

Field of study: Environmental Engineering

Study level: Second-cycle studies

Form and type of study: Full-time studies

Specialty: Applied Hydrogeology and Geotechnics

Annual: 2015/2016

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														
Applied hydrogeology and geotechnics														
The rules for selecting groups/modules:														
BIS-2-104-HS-s	Geotechnics	14	0	0	28	0	0	0	0	0	0	0	3	Yes
BIS-2-105-HS-s	Rock mechanics	14	14	0	0	0	0	0	0	0	0	0	2	No
BIS-2-106-HS-s	Computer aided research in engineering geology and geotechnics	0	0	28	0	0	0	0	0	0	0	0	2	No
BIS-2-107-HS-s	Groundwater modeling	14	0	28	0	0	0	0	0	0	0	0	3	No
BIS-2-109-HS-s	Projektowanie i interpretacja próbnych pompowań	14	0	14	0	0	0	14	0	0	0	0	3	No
BIS-2-110-HS-s	Sustainable remediation	28	0	0	0	0	14	0	0	0	0	0	2	No
BIS-2-111-HS-s	Metody statystyczne w hydrogeologii stosowanej, geologii inżynierskiej i geotechnice	0	14	0	0	0	0	28	0	0	0	0	2	No
Mathematics														
BIS-2-103-HS-s	Mathematics III	28	28	0	0	0	0	0	0	0	0	0	6	Yes
Non-technical														
BIS-2-108-HS-s	Autopresentation and Communication	0	0	0	0	28	0	0	0	0	0	0	3	No
Physics														
BIS-2-101-HS-s	Global environmental changes	28	0	0	0	0	0	0	0	0	0	0	2	Yes
Thesis														
BIS-2-102-HS-s	Practical training	0	0	0	0	0	0	60	0	0	0	0	2	No
Suma ECTS													30	

Study programme - Environmental Engineering - 2015/2016

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 2														
Applied hydrogeology and geotechnics														
The rules for selecting groups/modules:														
BIS-2-202-HS-s	Modelling of contaminants' fate and transport in groundwater	14	0	28	0	0	0	0	0	0	0	0	3	Yes
BIS-2-203-HS-s	Zarządzanie jakością w monitoringu wód podziemnych	0	0	14	0	0	0	28	0	0	0	0	3	Yes
BIS-2-204-HS-s	Documenting the groundwater resources	14	0	0	0	0	0	28	0	0	0	0	3	No
BIS-2-205-HS-s	Komputerowa interpretacja przestrzennych danych hydrogeologicznych	0	0	0	0	0	0	28	0	0	0	0	2	No
BIS-2-206-HS-s	Hydrogeochemical modeling of water-rock interaction	42	0	14	0	0	0	0	0	0	0	0	3	No
BIS-2-207-HS-s	GIS for water management and water protection	14	0	0	0	0	0	28	0	0	0	0	3	No
BIS-2-208-HS-s	Hydrogeologia regionalna	28	0	0	0	0	0	28	0	0	0	0	5	Yes
BIS-2-210-HS-s	Water treatment and purification	14	0	0	0	0	0	14	0	0	0	0	3	No
BIS-2-211-HS-s	Mineral, curative and thermal waters	14	0	0	0	0	0	14	0	0	0	0	3	No
Foreign Language														
The rules for selecting groups/modules:														
BIS-2-201-HS-s	English B2 + - a obligatory course of specialized language for students of second-cycle studies of the Faculty of Geology, Geophysics and Environmental Protection	0	28	0	0	0	0	0	0	0	0	0	2	Yes
Suma ECTS													30	
Semester 3														
Applied hydrogeology and geotechnics														
The rules for selecting groups/modules:														
BIS-2-304-HS-s	Environmental risk assessment	42	0	0	0	0	0	14	0	0	0	0	3	No
BIS-2-305-HS-s	Anthropogenic impacts on groundwater and methods of prevention	42	0	0	0	0	0	14	0	0	0	0	3	No
Non-technical														
BIS-2-303-HS-s	Sociology and work organisation	28	0	0	0	0	0	0	0	0	0	0	2	No
Thesis														
BIS-2-301-HS-s	M.Sc. thesis	0	0	0	0	0	0	0	0	0	0	0	20	Yes
BIS-2-302-HS-s	MSc thesis seminar	0	0	0	0	0	28	0	0	0	0	0	2	No
Suma ECTS													30	