



Module name: Hydrogeological English

Academic year: 2015/2016 Code: BIS-1-615-s ECTS credits: 3

Faculty of: Geology, Geophysics and Environmental Protection

Field of study: Environmental Engineering Specialty: —

Study level: First-cycle studies Form and type of study: Full-time studies

Lecture language: English Profile of education: Academic (A) Semester: 6

Course homepage: —

Responsible teacher: dr hab. inż. Duda Robert (duda@agh.edu.pl)

Academic teachers:

Module summary

Students will be have knowledge and skills in the field of hydrogeological vocabulary

Description of learning outcomes for module

MLO code	Student after module completion has the knowledge/ knows how to/is able to	Connections with FLO	Method of learning outcomes verification (form of completion)
Skills			
M_U001	Student is able to use data bases, english scientific papers and reports.	IS1A_U01, IS1A_U03, IS1A_U05, IS1A_U04	Project, Test, Presentation
M_U002	Student is able to description of hydrogeological conditions and groundwater flow, and prepare related field work report or project. Student have ability to present reports in hydrogeological English.	IS1A_U01, IS1A_U03, IS1A_U05, IS1A_U04	Project, Presentation
M_U003	Student is able to analyse hydrogeological conditions and groundwater hazard and protection problems at hand in creative way.	IS1A_U01, IS1A_U03, IS1A_U05, IS1A_U04	Presentation, Test, Project
Knowledge			
M_W001	Students will be have knowlege about hydrogeological vocabulary.	IS1A_W13	Project, Test, Presentation

FLO matrix in relation to forms of classes

MLO code	Student after module completion has the knowledge/ knows how to/is able to	Form of classes										
		Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Others	E-learning
Skills												
M_U001	Student is able to use data bases, english scientific papers and reports.	-	+	-	-	-	-	-	-	-	-	-
M_U002	Student is able to description of hydrogeological conditions and groundwater flow, and prepare related field work report or project. Student have ability to present reports in hydrogeological English.	-	+	-	-	-	-	-	-	-	-	-
M_U003	Student is able to analyse hydrogeological conditions and groundwater hazard and protection problems at hand in creative way.	-	+	-	-	-	-	-	-	-	-	-
Knowledge												
M_W001	Students will be have knowlege about hydrogeological vocabulary.	+	-	-	-	-	-	-	-	-	-	-

Module content

Lectures

Students will be have knowlege about hydrogeological vocabulary.

Auditorium classes

Study of selected scientific publications and field work reports will be followed by exercises in hydrogeological report writing (including: geology and hydrogeology conditions of the investigated area, groundwater sampling, hydrogeological work performed, data interpretation).

Students will practice analysed and writed of hydrogeological papers. The activities will include description of aquifers (porous, fissured, karst), hydrogeological cross-sections, documentations of hydrogeological researach and groundwater samples.

Method of calculating the final grade

final grade = 0.4 test grade + 0.3 presentation grade + 0.3 project grade

Prerequisites and additional requirements

Prerequisites and additional requirements not specified

Recommended literature and teaching resources

- 1) scientific papers on hydrogeology (sample),
- 2) Pasierbiewicz K., 2009 — Geological English, Wyd.2 uzup., Wydawnictwa AGH, Kraków, KU 0346,
- 3) Pasierbiewicz K., 2003 — Technical English for students of geology, Wydawnictwa AGH, Kraków, SU 1661.

Scientific publications of module course instructors related to the topic of the module

Additional scientific publications not specified

Additional information

None

Student workload (ECTS credits balance)

Student activity form	Student workload
Participation in auditorium classes	14 h
Participation in lectures	15 h
Preparation for classes	10 h
Preparation of a report, presentation, written work, etc.	20 h
Examination or Final test	1 h
Realization of independently performed tasks	15 h
Summary student workload	75 h
Module ECTS credits	3 ECTS