



Module name: Computer networks and databases

Academic year: 2013/2014 Code: RMS-1-610-s ECTS credits: 3

Faculty of: Mechanical Engineering and Robotics

Field of study: Mechatronics with English as instruction language 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 inż. Kurowski Piotr (kurowski@agh.edu.pl)

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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	It has the practical ability to use and configure network resources	MS1A_U01	Activity during classes, Report, Execution of laboratory classes
M_U002	It has the ability to define, access, and data management in database system	MS1A_U01	Activity during classes, Report, Execution of laboratory classes
M_U003	It has the ability to integrate web and database solutions for the execution-sharing systems	MS1A_U01	Activity during classes, Execution of laboratory classes
Knowledge			
M_W001	He has knowledge of the basic structures and network models	MS1A_W10	Activity during classes, Execution of laboratory classes, Test results
M_W002	He has knowledge about the structures, algorithms, and data processing techniques in database systems	MS1A_W10	Activity during classes, Execution of laboratory classes, Test results
M_W003	He has the knowledge necessary to integrate network and database solutions	MS1A_W10	Activity during classes, Execution of laboratory classes

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	Others	Fieldwork classes	Workshops	E-learning
Skills												
M_U001	It has the practical ability to use and configure network resources	-	-	+	-	-	-	-	-	-	-	-
M_U002	It has the ability to define, access, and data management in database system	-	-	+	-	-	-	-	-	-	-	-
M_U003	It has the ability to integrate web and database solutions for the execution-sharing systems	-	-	+	-	-	-	-	-	-	-	-
Knowledge												
M_W001	He has knowledge of the basic structures and network models	+	-	-	-	-	-	-	-	-	-	-
M_W002	He has knowledge about the structures, algorithms, and data processing techniques in database systems	+	-	-	-	-	-	-	-	-	-	-
M_W003	He has the knowledge necessary to integrate network and database solutions	+	-	-	-	-	-	-	-	-	-	-

Module content

Lectures

The course aims to familiarize and learn a practical use of tools associated with computer networks and relational databases

Laboratory classes

Classes shows in a practical manner the use of network protocols applications and the use of relational databases in systems engineering

Method of calculating the final grade

The average of the ratings obtained during the partial tests

Prerequisites and additional requirements

Prerequisites and additional requirements not specified

Recommended literature and teaching resources

Recommended literature and teaching resources not specified

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
Contact hours	30 h
Preparation for classes	20 h
Participation in lectures	15 h
Realization of independently performed tasks	10 h
Summary student workload	75 h
Module ECTS credits	3 ECTS