

FACULTY OF ELECTRICAL
ENGINEERING**SUBJECT CARD**

Name in Polish: **Język obcy B2 lub C1**
 Name in English: **Foreign language B2 or C1**
 Main field of study (if applicable): **Control Engineering and Robotics**
 Specialization (if applicable):
 Level and form of studies: **1st level, full-time**
 Kind of subject: **optional / university-wide**
 Subject code: **JZL100708BK**
 Group of courses: **NO**

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU):		60			
Number of hours of total student workload (CNPS):		90			
Form of crediting:		crediting with grade			
For group of courses mark (X) final course:					
Number of ECTS points:		3			
including number of ECTS points for practical (P) classes :		3			
including number of ECTS points for direct teacher-student contact (BK) classes:		2.10			

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**SUBJECT OBJECTIVES****SUBJECT EDUCATIONAL EFFECTS***relating to knowledge:**relating to skills:*

PEK_U01 xx

PEK_U02 xx

relating to social competences:

PEK_K01 xx

PROGRAMME CONTENT

Form of classes - class		Number of hours:
CI 1	xx	60
Total hours:		60

TEACHING TOOLS USED**EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT**

Evaluation <i>F – forming (during semester) P – concluding (at semester end)</i>	Educational effect number	Way of evaluating educational effect achievement
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PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] Bartoszek J., Brzykcy G., Wybrane elementy środowiska informatycznego, Wyd. Pol. Poznańskiej, Poznań 1999.
- [2] Biernat J., Architektura komputerów, Oficyna Wyd. Pol. Wrocławskiej, Wrocław 2002.
- [3] Buchanan W., Internet. Wkił, Warszawa, 1999.
- [4] Cieslak K., WINDOWS i sieci komputerowe, Helion, Wrocław 1999.
- [5] Calabria J., Burke D., Kirkland R., Poznaj Microsoft Word 2000 PL, Mikom, Warszawa 2000.
- [6] Dodge M., Podręcznik Microsoft Excel 2000: wersja polska, Wyd. RM, Warszawa 1999.
- [7] Durka P.J., Cyfrowy Świat. Jak To Działa., Adamantan, Warszawa 2004.
- [8] Forte S. i inni, Access 2000: księga eksperta, Helion, Gliwice 2001.
- [9] Nelson S. L., Microsoft PowerPoint 2000 PL: przewodnik od A do Z, Mikom, Warszawa 1999.
- [10] Pikoń K., ABC internetu., Helion, Gliwice 2006.
- [11] Wróblewski P., ABC komputera, Helion, Gliwice 2006.

SECONDARY LITERATURE:

- [1] Comer D. E., Sieci komputerowe i intersieci., WNT, Warszawa 1999.
- [2] Metzger P., Anatomia PC: architektura komputerów zgodnych z IBM PC. Kompendium, Helion Gliwice 2003.
- [3] Trusewicz M., INTERNET od A do Z., MIKOM, Warszawa 1998.
- [4] Nelson S. L., Microsoft Word 2000 PL: przewodnik od A do Z, Mikom, Warszawa 1999.
- [5] Walkenbach J., Biblia Excel 2000, Wyd. RM, Warszawa 1999
- [6] Nelson S. L., Microsoft Excel 2000 PL: przewodnik od A do Z, Mikom, Warszawa 1999.
- [7] Kuciński K., Poznajemy Accessa 2000: wszystko, co chciałeś wiedzieć o MS ACCESS, ale nie wiedziałeś kogo zapytać, "Edition 2000", Kraków 2000.

SUBJECT SUPERVISOR

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT JZL100708BK - Foreign language B2 or C1 AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Control Engineering and Robotics**

Subject educational effect	Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)	Subject objectives	Programme content	Teaching tool number
PEK_U01	K1AiR_U33		CI1	
PEK_U02	K1AiR_U33		CI1	
PEK_K01	K1AiR_K01 K1AiR_K08		CI1	