

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): **Industrial Control Engineering**
 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 LEARNING OUTCOMES***relating to knowledge:**relating to skills:*

PEU_U01 xx

PEU_U02 xx

relating to social competences:

PEU_K01 xx

PROGRAMME CONTENT

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

TEACHING TOOLS USED**EVALUATION OF SUBJECT LEARNING OUTCOMES 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:

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| <ul style="list-style-type: none">[1] Anderson A., Benedetti R., Sieci komputerowe. Helion, Gliwice 2012.[2] Kawa R., Lembas J., Wstęp do informatyki. PWN, Warszawa, 2018[3] Pikoń K., ABC internetu, Wyd. VII, Helion, Gliwice 2017.[4] Rzędowska A., Rzędowski J., Mistrzowskie prezentacje. Slajdowy poradnik mówcy doskonałego. Wyd. II, Onepress, Warszawa 2017.[5] Wróblewski P., ABC komputera, Wyd. XI, Helion, Gliwice 2017. |
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SECONDARY LITERATURE:

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| <ul style="list-style-type: none">[1] Alexander M., Microsoft Access. Przewodnik dla użytkowników Excela, Helion, Gliwice 2011.[2] Janus R., Komputer i Internet dla początkujących. Warszawa, Wiedza i Praktyka, 2018.[3] Jelen B., Alexander M., Microsoft Excel 2019. Przetwarzanie danych za pomocą tabel przestawnych, Promis, Warszawa 2019.[4] Walkenbach J., Alexander M., Analiza i prezentacja danych w Microsoft Excel. Vademecum Walkenbacha. Wyd.II, Helion, Gliwice 2014.[5] Wołk K., Microsoft Office 2019 oraz 365 od podstaw, Psychoskok, Konin 2019.[6] Wrotek W., ABC Excel 2019 PL, Helion, Gliwice 2019. |
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SUBJECT SUPERVISOR

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