

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): **Electrical 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:            |    | <b>60</b>        |

**TEACHING TOOLS USED****EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT**

| Evaluation<br><i>F – forming (during semester)<br/>P – concluding (at semester end)</i> | Educational effect number | Way of evaluating educational effect achievement |
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| <b>PRIMARY AND SECONDARY LITERATURE</b> |
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| <b>PRIMARY LITERATURE:</b> |
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| <p>[1] Anderson A., Benedetti R., Sieci komputerowe. Helion, Gliwice 2012.</p> <p>[2] Kawa R., Lembas J., Wstęp do informatyki. PWN, Warszawa, 2018</p> <p>[3] Pikoń K., ABC internetu, Wyd. VII, Helion, Gliwice 2017.</p> <p>[4] Rzędowska A., Rzędowski J., Mistrzowskie prezentacje. Slajdowy poradnik mówcy doskonałego. Wyd. II, Onepress, Warszawa 2017.</p> <p>[5] Wróblewski P., ABC komputera, Wyd. XI, Helion, Gliwice 2017.</p> |
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| <b>SECONDARY LITERATURE:</b> |
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| <p>[1] Alexander M., Microsoft Access. Przewodnik dla użytkowników Excela, Helion, Gliwice 2011.</p> <p>[2] Janus R., Komputer i Internet dla początkujących. Warszawa, Wiedza i Praktyka, 2018.</p> <p>[3] Jelen B., Alexander M., Microsoft Excel 2019. Przetwarzanie danych za pomocą tabel przestawnych, Promis, Warszawa 2019.</p> <p>[4] Walkenbach J., Alexander M., Analiza i prezentacja danych w Microsoft Excel. Vademecum Walkenbacha. Wyd.II, Helion, Gliwice 2014.</p> <p>[5] Wołk K., Microsoft Office 2019 oraz 365 od podstaw, Psychoskok, Konin 2019.</p> <p>[6] Wrotek W., ABC Excel 2019 PL, Helion, Gliwice 2019.</p> |
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| <b>SUBJECT SUPERVISOR</b> |
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