

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, part-time**
 Kind of subject: **optional / university-wide**
 Subject code: **JZL030005BK**
 Group of courses: **NO**

| | Lecture | Classes | Laboratory | Project | Seminar |
|--|---------|----------------------|------------|---------|---------|
| Number of hours of organized classes in University (ZZU): | | 20 | | | |
| Number of hours of total student workload (CNPS): | | 30 | | | |
| Form of crediting: | | crediting with grade | | | |
| For group of courses mark (X) final course: | | | | | |
| Number of ECTS points: | | 1 | | | |
| including number of ECTS points for practical (P) classes : | | 1 | | | |
| including number of ECTS points for direct teacher-student contact (BK) classes: | | 0.70 | | | |

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

PEU_U01 xx

relating to social competences:

PEU_K01 xx

PROGRAMME CONTENT

| Form of classes - class | | Number of hours: |
|-------------------------|----|------------------|
| CI 1 | xx | 0 |
| Total hours: | | 0 |

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 |
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| PRIMARY LITERATURE: |
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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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| SECONDARY LITERATURE: |
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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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| SUBJECT SUPERVISOR |
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