



Subject card

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|---|--|--|----------|-------------------------------------|---|------------|-----|
| Subject name and code | Information Society Technologies, PG_00047434 | | | | | | |
| Field of study | Informatics | | | | | | |
| Date of commencement of studies | October 2022 | Academic year of realisation of subject | | | 2023/2024 | | |
| Education level | second-cycle studies | Subject group | | | Obligatory subject group in the field of study Humanistic-social subject group | | |
| Mode of study | Full-time studies | Mode of delivery | | | at the university | | |
| Year of study | 2 | Language of instruction | | | English | | |
| Semester of study | 4 | ECTS credits | | | 2.0 | | |
| Learning profile | general academic profile | Assessment form | | | exam | | |
| Conducting unit | Department of Computer Communications -> Faculty of Electronics, Telecommunications and Informatics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Sławomir Gajewski | | | | | |
| | Teachers | dr inż. Sławomir Gajewski | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 18.0 | 50 |
| Subject objectives | The aim of the course is to teach the student advanced paradigms of information technology application in society. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment | Student is capable of analysing relations in global information society. | | | [SK5] Assessment of ability to solve problems that arise in practice | | |
| | [K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications | Student presents GII scenarios in relation to wireless communication solutions, in particular 4G systems. Student presents GII implementational model according to ITU standards. | | | [SW1] Assessment of factual knowledge | | |
| | [K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems | Student knows and recognizes information society development strategies. Student can compare authentication methods specific to NGN networks with the ones used in common packet networks. | | | [SU3] Assessment of ability to use knowledge gained from the subject | | |
| Subject contents | 1. Definition and characteristic of information society 2. Example of development strategies for information society 3. Knowledge role in information society 4. Analysis of social relation in information society, clusters 5. Enterprise examples and their evaluations (e-market, e- health, e-services) 6. Innovation and entrepreneurship 7. Technological indifference 8. Problems of legacy systems 9. Convergence of wired and wireless networks 10. Media convergence 11. Streaming media. Content aware networks. 12. Security issues | | | | | | |
| Prerequisites and co-requisites | Basic knowledge of information technologies | | | | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | | | Percentage of the final grade | | |
| | Colloquium | 50.0% | | | 50.0% | | |
| | Mid-term colloquium | 50.0% | | | 50.0% | | |

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| Recommended reading | Basic literature | J. Feather, The Information Society: A Study of Continuity and Change, Facet Publishing, 2008 R. Rubin, Foundations of Library and Information Science, Neal-Schuman Publishers, 2010 |
| | Supplementary literature | No requirements |
| | eResources addresses | Adresy na platformie eNauczanie: Technologie społeczeństwa informacyjnego (luty 2024) - Moodle ID: 36684 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36684 |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |