# GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

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| Subject name and code | Information Society Technologies, PG_00054283 |
| Field of study | Informatics |

| Date of commencement of studies | February 2023 | 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 | Polish |
| Semester of study | 3 | ECTS credits | 3.0 |
| Learning profile | general academic profile | Assessment form | exam |

| Conducting unit | Department of Radiocommunication Systems and Networks -> Faculty of Electronics, Telecommunications and Informatics |
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| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Sławomir Gajewski |
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| | Teachers | dr inż. Sławomir Gajewski |
| | | mgr inż. Olga Błaszkiewicz |
| | | mgr inż. Alicja Olejniczak |
| | | dr inż. Małgorzata Gajewska |
| | | prof. dr hab. inż. Tibor Cinkler |
| | | dr inż. Karolina Marciniuk |
| | | dr inż. Arkadiusz Harasimiuk |
| | | dr hab. inż. Józef Kotus |
| | | dr inż. Piotr Odya |
| | | dr inż. Bartłomiej Mróz |

| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 30.0 | 0.0 | 0.0 | 15.0 | 15.0 | 60 |
| | 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 | 60 | 2.0 | 13.0 | 75 |

| Subject objectives | The aim of the course is to teach the student advanced paradigms use of information technology in socjety. |
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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
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| | [K7_W43] Knows and understands, to an increased extent, the nformal, technical and social aspects of the operation of complex information systems in the information society and in the global information n infrastructure. | The student understands the complex relationships between the applied information technologies and the functioning of the information society and assess their impact on this society. | [SW3] Assessment of knowledge contained in written work and projects |
| | [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_W08] Knows and understands, to an increased extent, the fundamental dilemmas of modern civilisation, the main development trends of scientific disciplines relevant to the field of education. | The student is able to identify problems and dilemmas resulting from the use of information techniques by the society. | [SW2] Assessment of knowledge contained in presentation |
| | [K7_U43] can apply information technologies in market economy and information society conditions as well as algorithmize and computerize cognitive and decision-making processes in other areas of knowledge | The student understands the importance of information technologies in society and is able to use them in various fields of knowledge | [SU2] Assessment of ability to analyse information |
| | [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 |

| 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 |
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| Prerequisites and co-requisites | |

| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
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| | Colloquium | 50.0% | 100.0% |

| Recommended reading | Basic literature | J. Feather, The Information Society: A Study of Continuity and Change, Facet Publishing,2008 |
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| | | R. Rubin, Foundations of Library and Information Science, Neal-Schuman Publishers, 2010 |
| | Supplementary literature | No requirements |
| | eResources addresses | Adresy na platformie eNauczanie: |

| Example issues/ example questions/ tasks being completed | |
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| Work placement | Not applicable |