# GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

| Subject name and code | Multimedia and Internet Technologies, PG_00040633 | | | | | | |
|---|---|---|---|---|---|---|---|
| Field of study | Engineering Management | | | | | | |
| Date of commencement of studies | October 2021 | | Academic year of realisation of subject | | 2022/2023 | | |
| Education level | first-cycle studies | | Subject group | | Obligatory subject group in the field of study | | |
| | | | | | Subject group related to scientific research in the field of study | | |
| Mode of study | Full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 2 | | Language of instruction | | Polish | | |
| Semester of study | 4 | | ECTS credits | | 2.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Informatics in Management -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Kamil Brodnicki | | | | |
| | Teachers | | dr inż. Kamil Brodnicki | | | | |

| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 0.0 | 0.0 | 30.0 | 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 | 5.0 | 15.0 | 50 |

| Subject objectives | To acquaint students with the basics of using technical means of multi-media and internet for effective transfer of information and ideas. Provide students with theoretical and practical knowledge in the field of audio-visual techniques and specialized software. |
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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|---|---|---|---|
| | [K6_W11] has the basic knowledge of mathematics, physics and chemistry necessary to solve technical problems | The student has basic knowledge of exact sciences and is able to present it using multimedia techniques. | [SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation |
| | [K6_U01] interprets and analyses the phenomena and processes taking place in the economy and in organisation using basic theoretical knowledge of economics, management and science | The student is able to acquire data and analyze the phenomena and processes occurring in the economy and in a single organization, as well as interpret and present the results of their analyzes. | [SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools |
| | [K6_W05] knows the statistical and IT methods and tools that enable the acquisition and presentation of data on the organisation's resources, including technical resources | Student knows how to acquire and process data; knows the rules of correct structure of information transfer. | [SW2] Assessment of knowledge contained in presentation |

| Subject contents | • Digital sound processing. <br> • Digital video processing. <br> • Creating a video presentation. <br> • Creating web pages. <br> • Creating interactive web sites. <br> • Creating double-dimensional animation. <br> • Creating vector graphics. |
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| Prerequisites and co-requisites | Basic knowledge of computer operating systems. Ability to manage system files and directories (folders). Ability to use office software, especially the software for creating electronic presentations. |
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| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|---|
| | project | 60.0% | 100.0% |

| Recommended reading | Basic literature | 1. A set of laboratory exercises prepared by the teachers. |
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| | | 2. Jędryczkowski J., Prezentacje multimedialne w procesie uczenia się studentów. Wydawnictwo Adam Marszałek, 2005. |
| | | 3. Goban-Klas T., Media i komunikowanie masowe, PWN 2004. |
| | | 4. Flakiewicz W., Pojęcie informacji w technologii multimedialnej. SGH 2005. |
| | | 5. Grzeszczyk T., Systemy multimedialne w zarządzaniu przedsiębiorstwem. Metody implementacji. Mikom 2003. |
| | Supplementary literature | No requirements |
| | eResources addresses | Adresy na platformie eNauczanie: Technologie multimedialne i internetowe - st. stacjonarne - 2022/2023 - Moodle ID: 24305 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=24305 |
| Example issues/ example questions/ tasks being completed | • Creating an online tutorial, • Creating a 2D animation, • Creating an infographics, • Creating a web site | |
| Work placement | Not applicable | |