

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------|------------|-----|
| Subject name and code                       | ABC IT, PG_00155809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                         |                                     |                                                |            |     |
| Field of study                              | Management of Healthcare Institutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |                                         |                                     |                                                |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | Academic year of realisation of subject |                                     | 2025/2026                                      |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Mode of delivery                        |                                     | at the university                              |            |     |
| Year of study                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Language of instruction                 |                                     | Polish                                         |            |     |
| Semester of study                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | ECTS credits                            |                                     | 1.0                                            |            |     |
| Learning profile                            | practical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | Assessment form                         |                                     | credit                                         |            |     |
| Conducting unit                             | Department of Business Informatics -> Faculty of Management -> Rector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |                                         |                                     |                                                |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | dr Dorota Buchnowska                    |                                     |                                                |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          | dr Dorota Buchnowska                    |                                     |                                                |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                        | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.0                                                      | 20.0                                    | 0.0                                 | 0.0                                            | 0.0        | 20  |
|                                             | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20                                                       |                                         | 0.0                                 |                                                | 5.0        | 25  |
| Subject objectives                          | <div>1. Teach students to correctly use terminology related to information technology.</div> <div>2. Introduce students to the principles of safe and effective use of information technology.</div> <div>3. Introduce students to the possibilities of using basic information technology in various fields of study.</div> <div>4. Prepare students to use basic information technology to the extent required by other subjects included in the study program.</div> <div>5. Prepare students to effectively use basic information technology in supporting self-development, research work, and professional work.</div> |                                                          |                                         |                                     |                                                |            |     |

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| Learning outcomes                                              | Course outcome                                                                                                                                                                                                                                                                                                                                                                                   | Subject outcome                                                                                                                                                                             | Method of verification                                                                             |
|                                                                | [ZISZL3_U01] The student is able to correctly interpret socio-economic phenomena, current events in the field of economic policy, economics, in particular in the field of health care both in the social and economic dimensions, as well as to independently formulate their own opinions in this regard and to propose appropriate solutions in the case of changes occurring in these areas. | Is able to use information technology to correctly analyse and interpret socio-economic phenomena, current events in economic policy and economics, especially in the field of health care. | [SU2] presentation/project/paper/report<br>[SU8] observation of student's independent or team work |
|                                                                | [ZISZL3_K03] The student recognizes the complexity of social problems in the field of health care at the micro- and macro-structural level.                                                                                                                                                                                                                                                      | Recognizes the need to use information technologies in the face of the complexity of social problems in the area of health care at a micro and macro scale.                                 | [SK2] presentation/project/paper/report<br>[SK8] observation of student's independent or team work |
|                                                                | [ZISZL3_W02] The student has advanced knowledge and understanding of the interrelationships that exist between the disciplines of management and quality sciences, economics and finance, social communication and media sciences, legal and sociological sciences, which are key to understanding the essence of effective and efficient management of health care units.                       | Knows and understands, at an advanced level, the possibilities and benefits of using information technologies in the field of effective and efficient management of health care units.      | [SW2] presentation/project/paper/report<br>[SW5] implementation of a problem task                  |
| Subject contents                                               | <div>1. Fundamentals of data analysis and visualization - using spreadsheets in business.</div> <div>2. Communication and teamwork - sharing resources, principles of using cloud services.</div> <div>3. Designing survey forms.</div> <div>4. Creating websites.</div>                                                                                                                         |                                                                                                                                                                                             |                                                                                                    |
| Prerequisites and co-requisites                                | Ability to use office applications.                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                             |                                                                                                    |
| Assessment methods and criteria                                | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                         | Passing threshold                                                                                                                                                                           | Percentage of the final grade                                                                      |
|                                                                | tasks carried out during classes                                                                                                                                                                                                                                                                                                                                                                 | 51.0%                                                                                                                                                                                       | 40.0%                                                                                              |
|                                                                | final project                                                                                                                                                                                                                                                                                                                                                                                    | 51.0%                                                                                                                                                                                       | 60.0%                                                                                              |
| Recommended reading                                            | Basic literature                                                                                                                                                                                                                                                                                                                                                                                 | Materials posted on the Educational Portal<br><br>Buchnowska D. (red.), Kokpity menedżerskie w analizie i prezentacji danych biznesowych z wykorzystaniem MS Excel 2016                     |                                                                                                    |
|                                                                | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                         | Wrycza S., Maślankowski J. (red.), Informatyka ekonomiczna, PWN, Warszawa 2019                                                                                                              |                                                                                                    |
|                                                                | eResources addresses                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                             |                                                                                                    |
| Example issues/<br>example questions/<br>tasks being completed |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                             |                                                                                                    |
| Work placement                                                 | Not applicable                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                             |                                                                                                    |

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