

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                       |                                                          |                                                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Introduction to IT Business Solutions, PG_00177475                                                                                                                                                                                                                                                                                    |                                                          |                                                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Field of study                              | Informatics and Econometrics                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                          |                                                          | Academic year of realisation of subject                                                                                                                                                                          |                                     | 2025/2026                                                                                                            |            |     |
| Education level                             | Master's studies                                                                                                                                                                                                                                                                                                                      |                                                          | Subject group                                                                                                                                                                                                    |                                     | Obligatory subject group in the field of study<br>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                               | 1                                                                                                                                                                                                                                                                                                                                     |                                                          | Language of instruction                                                                                                                                                                                          |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 1                                                                                                                                                                                                                                                                                                                                     |                                                          | ECTS credits                                                                                                                                                                                                     |                                     | 4.0                                                                                                                  |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                              |                                                          | 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                                                                                                                                                                                                                                                                                                                              |                                                          |                                                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                           | Lecture                                                  | Tutorial                                                                                                                                                                                                         | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                 | 0.0                                                      | 0.0                                                                                                                                                                                                              | 45.0                                | 0.0                                                                                                                  | 0.0        | 45  |
|                                             | 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                                                                                                                                                                                                                                                                                                                 | 45                                                       |                                                                                                                                                                                                                  | 3.0                                 |                                                                                                                      | 52.0       | 100 |
| Subject objectives                          | 1. Familiarizing students with the types of business applications.<br>2. Familiarizing students with the functionality of business applications.<br>3. Familiarizing students with the benefits of using ICT solutions.<br>4. Familiarizing students with the possibilities of creating their own solutions using low-code platforms. |                                                          |                                                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                                                                                                                        |                                                          | Subject outcome                                                                                                                                                                                                  |                                     | Method of verification                                                                                               |            |     |
|                                             | [liEMU2_W05] The student possesses advanced knowledge and understanding of informatics, statistics, and econometrics techniques and tools used to acquire, process, or visualise data to aid in decision-making and verify research hypotheses.                                                                                       |                                                          | The student knows and characterizes information systems used in enterprises.<br>The student explains how the use of selected information systems influences business processes in an enterprise.                 |                                     | [SW2] presentation/project/paper/report<br>[SW5] implementation of a problem task                                    |            |     |
|                                             | [liEMU2_U03] The student is able to obtain and verify data from properly selected sources and to collect, process, and visualize it using modern econometrics, informatics or statistics tools.                                                                                                                                       |                                                          | The student is able to operate information systems functioning in various areas of an enterprise.<br>The student is able to demonstrate the operation of information systems and analyze the resulting benefits. |                                     | [SU2] presentation/project/paper/report<br>[SU8] observation of student's independent or team work                   |            |     |
|                                             | [liEMU2_U12] The student can adapt, design, create, and operate IT systems that support business entities.                                                                                                                                                                                                                            |                                                          | The student is able to analyze the information needs of business users and appropriately adapt the information system, as well as use it in a suitable manner.                                                   |                                     | [SU2] presentation/project/paper/report<br>[SU8] observation of student's independent or team work                   |            |     |

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                   |                               |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Subject contents                                               | <div>1. Types of IT solutions for Business.</div> <div>2. The market of IT solutions for Business.</div> <div>3. Functionality of IT solutions in the area of warehouse management, supply and sales.</div> <div>4. Functionality of IT solutions in the area of HR and payroll.</div> <div>5. Functionality of IT solutions in the area of finance and accounting.</div> <div>6. Functionality of IT solutions in the area of CRM.</div> <div>7. Utilization of Automation Systems in Streamlining Business Processes.</div> <div>8. Utilization of AI Models in Streamlining Business Processes.</div> <div>9. An introduction to building business applications using low-code platforms.</div> |                                                                                                                                                                                   |                               |
| Prerequisites and co-requisites                                | Knowledge of business processes implemented in enterprises.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                   |                               |
| Assessment methods and criteria                                | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Passing threshold                                                                                                                                                                 | Percentage of the final grade |
|                                                                | final project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 51.0%                                                                                                                                                                             | 60.0%                         |
|                                                                | tasks performed during classes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51.0%                                                                                                                                                                             | 40.0%                         |
| Recommended reading                                            | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <div>1. Wrycza S., Maślankowski J., Informatyka ekonomiczna. Teoria i zastosowania, PWN, Warszawa 2019</div> <div>2. Materials published on the MESTWIN Educational Portal.</div> |                               |
|                                                                | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Documentation of the information technologies used during the classes and in the final project.                                                                                   |                               |
|                                                                | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                   |                               |
| Example issues/<br>example questions/<br>tasks being completed |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                   |                               |
| Work placement                                                 | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                   |                               |

Document generated electronically. Does not require a seal or signature.