



## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                               |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------|------------|-----|
| Subject name and code                       | ENTERPRISE IT RESOURCE MANAGEMENT, PG_00061804                                                                                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Field of study                              | Engineering Management                                                                                                                                                                                                                                                                                                        |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Date of commencement of studies             | October 2024                                                                                                                                                                                                                                                                                                                  |                                                          | Academic year of realisation of subject                                                                                                                                                                                                          |                                     | 2025/2026                                                            |            |     |
| Education level                             | first-cycle studies                                                                                                                                                                                                                                                                                                           |                                                          | Subject group                                                                                                                                                                                                                                    |                                     | Optional subject group                                               |            |     |
| Mode of study                               | Part-time studies (on-line)                                                                                                                                                                                                                                                                                                   |                                                          | 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                                                                                                                                                                                                                                  |                                     | assessment                                                           |            |     |
| Conducting unit                             | Department of Informatics in Management -> Faculty of Management and Economics                                                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                            |                                                          | dr inż. Magdalena Ciesielska                                                                                                                                                                                                                     |                                     |                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Lesson types and methods of instruction     | Lesson type                                                                                                                                                                                                                                                                                                                   | Lecture                                                  | Tutorial                                                                                                                                                                                                                                         | Laboratory                          | Project                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                         | 8.0                                                      | 0.0                                                                                                                                                                                                                                              | 8.0                                 | 0.0                                                                  | 0.0        | 16  |
|                                             | 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                                                                                                                                                                                                                                                                                                         | 16                                                       |                                                                                                                                                                                                                                                  | 5.0                                 |                                                                      | 54.0       | 75  |
| Subject objectives                          | Analyzes the functioning of the organization and prepares an IT resource management strategy tailored to its needs                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                                                                                                                |                                                          | Subject outcome                                                                                                                                                                                                                                  |                                     | Method of verification                                               |            |     |
|                                             | [K6_W03] identifies reliable sources of information relevant to the analyzed issues                                                                                                                                                                                                                                           |                                                          | analyzes the structure of the organization by collecting information to develop a strategy tailored to the needs of the business                                                                                                                 |                                     | [SW1] Assessment of factual knowledge                                |            |     |
|                                             | [K6_U02] prepares and presents convincing, professional presentations of the results of its activities, with their advanced interpretation                                                                                                                                                                                    |                                                          | designs strategies for the development of computerization and business models for the provision of IT services, justifying them in an advanced way                                                                                               |                                     | [SU3] Assessment of ability to use knowledge gained from the subject |            |     |
| Subject contents                            | Resource Theory<br>Computerization strategy<br>Business-IT match<br>Balanced Scorecard<br>Information and information systems<br>IT platforms Breakthrough technologies<br>enterprise architecture<br>Asset management<br>Service management. software engineering<br>IT competencies and roles<br>IT audit<br>IT outsourcing |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Prerequisites and co-requisites             |                                                                                                                                                                                                                                                                                                                               |                                                          |                                                                                                                                                                                                                                                  |                                     |                                                                      |            |     |
| Assessment methods and criteria             | Subject passing criteria                                                                                                                                                                                                                                                                                                      |                                                          | Passing threshold                                                                                                                                                                                                                                |                                     | Percentage of the final grade                                        |            |     |
|                                             | Laboratory                                                                                                                                                                                                                                                                                                                    |                                                          | 60.0%                                                                                                                                                                                                                                            |                                     | 50.0%                                                                |            |     |
|                                             | Lecture                                                                                                                                                                                                                                                                                                                       |                                                          | 60.0%                                                                                                                                                                                                                                            |                                     | 50.0%                                                                |            |     |
| Recommended reading                         | Basic literature                                                                                                                                                                                                                                                                                                              |                                                          | M. Pańkowska, Zarządzanie zasobami informatycznymi. Difin. Warszawa 2001<br>Ciesielska M., Musiatowicz-Podbiał G., Zarys problematyki zarządzania zasobami informatycznymi w przedsiębiorstwie, Wydawnictwo Politechniki Gdańskiej, Gdańsk, 2021 |                                     |                                                                      |            |     |

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|                                                                | Supplementary literature                                                                                                                  | Barney J.B., Clark D.N. (2007), Resource-based Theory. Creating and Sustaining Competitive Advantage, Oxford University Press, New York<br>Stanisław Wrycza (red.) Informatyka ekonomiczna; PWE Warszawa 2010<br>Arkadiusz Januszewski; Funkcjonalność Informatycznych systemów zarządzania - Zintegrowane systemy transakcyjne; PWN Warszawa 2008<br>Jerzy Kisielnicki, Zarządzanie i Informatyka" Placet 2014<br>Kenneth C. Laudon and Jane Price Laudon, Management Information Systems. Managing the Digital Firm, 12th Edition, Pearson Education Ltd. 2014 |
|                                                                | eResources addresses                                                                                                                      | Adresy na platformie eNauczanie:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Example issues/<br>example questions/<br>tasks being completed | Set the right IT strategy model<br>Identify SLA parameters<br>Choose the right business model for providing IT services: SaaS, IaaS, PaaS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Work placement                                                 | Not applicable                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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