Course description form (syllabus form) – for 1st and 2nd cycle studies

**A. General data**

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| **Name of the field** | | **Content** |
| Course title | | Management Information Systems |
| Organizational unit: | | Faculty of Management |
| Organizational unit where the course is offered: | | Faculty of Management |
| Course ID | | ------------- |
| Erasmus code / ISCED | | **---------------** |
| Course groups | | IBP & Short-term students |
| Period when the course is offered | | Summer semester, 2024/2025 |
| Short description | | 1. Basic information on management information systems and their development 2. Characteristics of management information systems 3. Economic and social environment of management information systems 4. 4. Development trends of management information systems |
| Type of course: | | Lecture with elements of a conversation class |
| Full description | | 1. Information and knowledge management in management information systems – introductory issues 2. Genealogy and development of management information systems 3. Assumptions of the group project of e-business website assessment 4. Transaction systems, databases and data warehouses 5. Management information and support systems 6. Advisory systems: decision support systems, expert systems 7. Artificial intelligence systems AI, Business Intelligence and Big Data 8. E-business and e-banking systems and characteristics of selected applications 9. The phenomenon of mobility in the development of m-commerce, m-banking IT 10. IT technology management 11. Methodologies of designing and implementing modern information technology 12. Usability and efficiency of modern information technology applications 13. Information society and virtual organizations 14. The phenomenon of mobility in the development of m-commerce, m-banking IT 15. Trends in the development of IT |
| Prerequisites | Formal | No |
| Initial | Fundamentals of IT |
| Learning outcomes | | Student after completing the course:  In terms of knowledge:   * + Knows and understands the terminology and basic theoretical models in the field of databases and IT management systems (K\_W01).   + Knows and understands at an advanced level the principles, procedures and practices related to the activities of various types of organizations using IT systems in management (K\_W02).   + Knows and understands the operation of selected IT solutions that support enterprise management (K\_W05).   + Understands the principles of industrial property protection and copyright (K\_W05).   In terms of skills:   * + Is able to use the theory of the discipline of management and quality science and knowledge of information technologies to recognize, diagnose and solve problems related to key functions in the organization and integrate them within the organization's strategy, using the appropriate selection of theoretical sources and practical solutions and adapting existing methods (K\_U01).   + Is able to self-educate and improve acquired qualifications (K\_U06).   In terms of attitudes:   * Is ready to critically evaluate IT tools supporting management in the enterprise (K\_K01) |
| ECTS credit allocation (and other scores) | | 4 |
| Assessment methods and assessment criteria | | The lecture ends with an exam in the form of a single-choice test (60%) and an assessment of the group project presentation (40%). |
| Examination | | Assessment with a grade/exam and project |
| Type of class | | Basic |
| Method of implementation of the subject | | Stationary: in a classroom |
| Language | | English |
| Bibliography | | 1. [Ramesh Sharda](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Ramesh+Sharda%22), [Dursun Delen](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Dursun+Delen%22), [Efraim Turban](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Efraim+Turban%22): Business Intelligence, Analytics, and Data Science: A Managerial Perspective; 4th Edition, Pearson, 2022, 2. Efraim Turban, Carol Pollard, Gregory Wood: Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability 12th Edition, Wiley, 2021 |
| Internship as part of the course | | - |
| Coordinators | | Prof. dr hab. Witold Chmielarz |
| Group instructors | | prof. dr hab. Witold Chmielarz;  dr hab. eng. Anna Sołtysik-Piorunkiewicz, |
| Notes | |  |

**B. Detailed data**

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| **Name of the field** | **Content** |
| Group instructors: | prof. dr hab. Witold Chmielarz;  dr hab. eng. Anna Sołtysik-Piorunkiewicz, |
| Title | Management Information Systems |
| Type of class: | Lecture with elements of a conversation class |
| Learning outcomes defined for didactic method used during the course | Student after completing the course:  In terms of knowledge:   * + Knows and understands the terminology and basic theoretical models in the field of databases and IT management systems (K\_W01).   + Knows and understands at an advanced level the principles, procedures and practices related to the activities of various types of organizations using IT systems in management (K\_W02).   + Knows and understands the operation of selected IT solutions that support enterprise management (K\_W05).   + Understands the principles of industrial property protection and copyright (K\_W05).   In terms of skills:   * + Is able to use the theory of the discipline of management and quality science and knowledge of information technologies to recognize, diagnose and solve problems related to key functions in the organization and integrate them within the organization's strategy, using the appropriate selection of theoretical sources and practical solutions and adapting existing methods (K\_U01).   + Is able to self-educate and improve acquired qualifications (K\_U06).   In terms of attitudes:  Is ready to critically evaluate IT tools supporting management in the enterprise (K\_K01) |
| Assessment methods and assessment criteria for didactic method used during the course | The lecture ends with an exam in the form of a single-choice test (60%) and an assessment of the group project presentation (40%). |
| Examination for didactic method used during the course | Assessment with a grade/exam and project |
| Range of content | Basic |
| Didactic methods | Lecture /conversation |
| Bibliography | 1. [Ramesh Sharda](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Ramesh+Sharda%22), [Dursun Delen](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Dursun+Delen%22), [Efraim Turban](https://www.google.pl/search?hl=pl&tbo=p&tbm=bks&q=inauthor:%22Efraim+Turban%22): Business Intelligence, Analytics, and Data Science: A Managerial Perspective; 4th Edition, Pearson, 2022, 2. Efraim Turban, Carol Pollard, Gregory Wood: Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability 12th Edition, Wiley, 2021 |
| Group limit |  |
| Time span |  |
| Location |  |