

Subject card

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| Subject name and code | Investments in a Sustainable City, PG_00177842 | | | | | | |
| Field of study | Management | | | | | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | | | 2027/2028 | | |
| Education level | Master's studies | Subject group | | | Obligatory subject group in the field of study Optional subject group 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 | | | 7.0 | | |
| Learning profile | academic | Assessment form | | | exam | | |
| Conducting unit | Department of Investment and Real Estate -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. Anna Wojewnik-Filipkowska | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 30.0 | 30.0 | 0.0 | 0.0 | 75 |
| | 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 | 75 | | 4.0 | | 96.0 | 175 |
| Subject objectives | The aim of the course is to provide knowledge and develop skills in the analysis and planning of infrastructure investments as a key element of sustainable development in modern cities. Students acquire practical skills in preparing and evaluating infrastructure projects using feasibility studies and cost-benefit analysis, and learn to adapt investment strategies to current and future challenges such as the climate crisis, digitalization, and demographic changes. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [ZARZMU2_W06] The student possesses a thorough understanding of the principles of rational decision-making related to individual resources, functional areas within the organization, processes, and management levels. This understanding is based on a well-structured and theory-supported foundation in management, quality sciences, economics, and finance. | The student designs and justifies comprehensive investment solutions using feasibility studies and cost-benefit analysis that address specific infrastructure problems in the city. | [SW4] test/exam - oral or written [SW2] presentation/project/paper/report [SW5] implementation of a problem task |
| | [ZARZMU2_K03] The student is ready to think and act entrepreneurially and responsibly, initiate, coordinate, and participate in projects that benefit the social environment and the public interest, and inspire others in this area. | The student demonstrates initiative and collaborates in a group to prepare an investment project that considers social and environmental aspects, promoting attitudes of responsibility and entrepreneurship towards the sustainable development of the city. | [SK2] presentation/project/paper/report [SK5] implementation of a problem task |
| | [ZARZMU2_W10] The student possesses a comprehensive understanding of the key dilemmas of modern civilization and their importance in business decision-making contexts. | The student identifies and analyzes key challenges facing modern cities, such as the climate crisis, digitalization, and demographic changes, and assesses their impact on investment strategies. | [SW4] test/exam - oral or written [SW2] presentation/project/paper/report [SW5] implementation of a problem task |
| | [ZARZMU2_U06] Students can utilize and integrate structured, detailed knowledge of management, quality sciences, economics, and finance to address dilemmas and formulate solutions, including innovative ones, to complex or atypical management problems that arise in professional settings. | The student can describe and explain the principles of rational planning of infrastructure investments in a city, taking into account economic, social, and environmental aspects. | [SU2] presentation/project/paper/report [SU5] implementation of a problem task |
| [ZARZMU2_U01] Students can analyze and creatively interpret complex social and economic processes in business decision-making. They use structured knowledge and tools from management, quality sciences, economics, and finance. | The student conducts an analysis of the impact of infrastructure investments on the local economy and environment, using statistical data and analytical tools, and formulates conclusions regarding the sustainable development of cities. | [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU5] implementation of a problem task | |
| Subject contents | <ol style="list-style-type: none"> 1. Identity and development strategies of modern cities 2. The role of investments in shaping sustainable urban development 3. Infrastructure as the foundation of a sustainable city 4. Premises for undertaking infrastructure investment projects 5. Infrastructure gap in Poland 6. Models of urban investment financing 7. Impact of investments on the local economy and environment 8. Value of space and revitalization of degraded areas 9. The future of sustainable urban investments 10. Challenges of modern cities 11. Mitigation and adaptation to climate change 12. Preparation and evaluation of infrastructure projects 13. Feasibility study as a planning and risk management tool 14. Cost-benefit analysis | | |
| Prerequisites and co-requisites | Knowledge of investment management, economic, spatial, and legal fundamentals of the real estate market functioning | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | problem solving | 51.0% | 30.0% |
| | project | 51.0% | 30.0% |
| | exam | 51.0% | 40.0% |

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| Recommended reading | Basic literature | <ol style="list-style-type: none"> 1. Bryx, M. (2021). Mieszkanie dostępne w zrównoważonym mieście. CeDeWu. 2. Dąbrowski, J., & Nowosielski, T. (2013). Zrównoważony rozwój nowym paradygmatem rozwoju gospodarczego. W H. Klimek & T. Nowosielski (Red.), Efektywność ekonomiczna przedsiębiorstw a zrównoważony rozwój (ss. 4567). Polskie Towarzystwo Ekonomiczne w Gdańsku. 3. Drobniak, A. (2008). <i>Podstawy oceny efektywności projektów publicznych</i>. Wydawnictwo Akademii Ekonomicznej im. Karola Adamieckiego. 4. Ratajczak, M. (2000). Infrastruktura a wzrost i rozwój gospodarczy. <i>Ruch Prawniczy, Ekonomiczny i Socjologiczny</i>, 62(4), 83102. 5. Wojewnik-Filipkowska, A. (2008). <i>Project finance w inwestycjach infrastrukturalnych</i>. Warszawa: Wydawnictwo Difin. 6. Wojewnik-Filipkowska, A. (2011). Zasady finansowania inwestycji rewitalizacyjnych na przykładzie wybranych inwestycji w Gdańsku i Sopocie. <i>Zeszyty Naukowe Uniwersytetu Gdańskiego. Zarządzanie</i>, 27, 141156. 7. Wojewnik-Filipkowska, A., Gierusz, A., & Krauze-Maślankowska, P. (2020). <i>Fundamentalna siła miasta</i>. Warszawa: CeDeWu. |
| | Supplementary literature | <ol style="list-style-type: none"> 1. Ćpak, E. (2016). Inwestycje infrastrukturalne wyznacznikiem rozwoju gospodarczego. <i>Studia Ekonomiczne, Prawne i Administracyjne</i>, (2), 1731. 2. Janik, A. (2012). Wielokryterialna metoda wyceny wartości terenów zdegradowanych. <i>Zeszyty Naukowe. Organizacja i Zarządzanie / Politechnika Śląska</i>, (62), 5779. 3. Plebankiewicz, E., & Biadała, K. (2014). Opłacalność inwestycji realizowanych w systemie PPP na przykładzie parkingu podziemnego w Krakowie. <i>Przegląd Budowlany</i>, 85. 4. Szot-Gabryś, T. (2011). Studium wykonalności jako narzędzie zarządzania ryzykiem w projektach infrastrukturalnych. <i>Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu</i>, 132, 123134. 5. Szot-Gabryś, T. (2012). Rachunek kosztów i korzyści jako metoda oceny projektów inwestycyjnych w infrastrukturę społeczną. <i>Studia Ekonomiczne. Zeszyty Naukowe Uniwersytetu Ekonomicznego w Katowicach</i>, 103, 97110. 6. Wojewnik-Filipkowska, A., & Korcz, P. (2018). Oddziaływanie inwestycji sektora BPO/SSC na rozwój gospodarczy w kontekście zrównoważonego rozwoju. <i>Zarządzanie i Finanse. Journal of Management and Finance</i>, 16(4/3), 281293. |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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