

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                         |                                     |         |                                                                                                                      |     |
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| Subject name and code                       | Environmental impact assessment procedures, PG_00201367                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |         |                                                                                                                      |     |
| Field of study                              | Spatial Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |                                         |                                     |         |                                                                                                                      |     |
| Date of commencement of studies             | October 2027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          | Academic year of realisation of subject |                                     |         | 2027/2028                                                                                                            |     |
| 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                            |                                     |         | 3.0                                                                                                                  |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          | Assessment form                         |                                     |         | exam                                                                                                                 |     |
| Conducting unit                             | Division of Landscape and Environmental Studies -> Institute of Socio-Economic Geography and Spatial Management -> Faculty of Social Sciences -> Rector                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |         |                                                                                                                      |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | dr Sylwia Horska-Schwarz                |                                     |         |                                                                                                                      |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |         |                                                                                                                      |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lecture                                                  | Tutorial                                | Laboratory                          | Project | Seminar                                                                                                              | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30.0                                                     | 15.0                                    | 0.0                                 | 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                                                       |                                         | 6.0                                 |         | 24.0                                                                                                                 | 75  |
| Subject objectives                          | Knowledge of the formal and legal basis of the EIA system; the course of the EIA procedure in Poland; the relationship of EIA procedures with spatial planning and spatial management - strategic environmental impact assessment, basic EIA methods, selected EIA detailed analysis methods; the impact of investments on naturally valuable areas, including the Natura 2000 network; knowledge of EIA implementation methods - environmental compensation and minimisation of impacts, post-implementation analysis and monitoring |                                                          |                                         |                                     |         |                                                                                                                      |     |

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| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Subject outcome                                                                                                                                                                                                                                                                              | Method of verification                                                            |
|                                 | [GPMU2_W03] understands to a deeper extent, the conditions (natural, social, economic, cultural, legal) of processes taking place in spatial management, with particular emphasis on the specifics of Polish maritime areas and voivodships of northern Poland                                                                                                                                                                                                 | Identifies and is able to present basic issues in the natural conditions and processes of land management.                                                                                                                                                                                   | [SW4] test/exam - oral or written                                                 |
|                                 | [GPMU2_U06] can organise and lead a debate among diverse audiences regarding spatial conflicts, with particular emphasis on environmental conflicts                                                                                                                                                                                                                                                                                                            | discusses and evaluates proposals for shaping the space of a specific area                                                                                                                                                                                                                   | [SU2] presentation/project/paper/report<br>[SU5] implementation of a problem task |
|                                 | [GPMU2_U07] performs complex research tasks or expertise in the field of spatial management by interacting with other people, taking a leading role in teams and presenting the results of the research in a written and oral form using specialised terminology                                                                                                                                                                                               | analyses proposed solutions to a spatial management problem and gives its opinion on the solutions                                                                                                                                                                                           | [SU2] presentation/project/paper/report<br>[SU5] implementation of a problem task |
|                                 | [GPMU2_U05] formulates and tests hypotheses regarding determinants (natural, social, economic, cultural, legal) of spatial management                                                                                                                                                                                                                                                                                                                          | correctly analyses and evaluates the basic natural conditions of spatial management of a specific area and forecasts the influence of basic natural processes on the structure of spatial management and, on this basis, proposes appropriate actions within the framework of spatial policy | [SU2] presentation/project/paper/report<br>[SU5] implementation of a problem task |
| Subject contents                | <p>- Legal basis of the EIA - familiarisation and discussion of the legislation, - Qualification procedure (screening) of the investment for the impact assessment- Potential impact of the investment on the environment - Project Information Sheet- Classification and evaluation of impacts, matrix methods; variants and minimisation of impacts for the planned investment- Selected methods of assessing the environmental impact of an investment;</p> |                                                                                                                                                                                                                                                                                              |                                                                                   |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                   |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                       | Passing threshold                                                                                                                                                                                                                                                                            | Percentage of the final grade                                                     |
|                                 | Egzam                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 51.0%                                                                                                                                                                                                                                                                                        | 50.0%                                                                             |
|                                 | Tasks during classes                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.0%                                                                                                                                                                                                                                                                                        | 50.0%                                                                             |

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| Recommended reading | Basic literature | <p>Engel J., 2009, Natura 2000 w ocenach oddziaływania przedsięwzięć na środowisko, Ministerstwo Środowiska, Warszawa (PDF)</p> <p>Lenart M., 2002, Zakres informacji przyrodniczych dla potrzeby ocen oddziaływania na środowisko, Wyd. Ekokonsult, Gdańsk.</p> <p>Kowalczyk R., Szulczewska B., 2002, Strategiczne oceny oddziaływania na środowisko do planów zagospodarowania przestrzennego, Wyd. Ekokonsult, Gdańsk</p> <p>treści aktów prawnych: Ustawa o planowaniu i zagospodarowaniu przestrzennym z 2003 r., Ustawa o udostępnianiu informacji o środowisku i jego ochronie, udziale społeczeństwa w ochronie środowiska oraz o ocenach oddziaływania na środowisko z 2008 r., Ustawa Prawo Ochrony Środowiska z 2001 r., Ustawa o Ochronie Przyrody z 2004 r.</p> <p>A.2. studiowana samodzielnie przez studenta</p> <p>Bartkowski T., 1986, Zastosowania geografii fizycznej, PWN, Warszawa.</p> <p>Kistowski M., 2003, Metody sporządzania strategicznych ocen oddziaływania na środowisko przyrodnicze (na przykładzie prognoz wpływu na środowisko projektów programu rozwoju i planu zagospodarowania przestrzennego województwa pomorskiego), Problemy Ocen Środowiskowych, nr 2(21).</p> <p>Kistowski M., Pchalek M., 2009, Natura 2000 w planowaniu przestrzennym rola korytarzy ekologicznych, Ministerstwo Środowiska, Warszawa.</p> <p>Macias A., Bródka S., 2013, Przyrodnicze podstawy gospodarowania przestrzenią, Wyd. Nauk. PWN, Warszawa</p> <p>Pchalek M., Behnke M., Postępowanie w sprawie oceny oddziaływania na środowisko w prawie polskim i UE, Wydawnictwo C.H. Beck, 2009 r.</p> <p>Wilżak T., 2011, Przedsięwzięcia mogące znacząco oddziaływać na środowisko - Przewodnik po rozporządzeniu Rady Ministrów GDOŚ, Warszawa(PDF)</p> <p>Staszek W., 2005, Wykorzystanie GIS do oceny wpływu elektrowni wiatrowych na krajobraz, Problemy Ocen Środowiskowych, 1(28), s. 63-68.</p> <p>Staszek W., Polkowska Ż., Dubiella-Jackowska A., Barańczuk J., 2017, The impact of the Tri-City Ring Road on surface water of small endorheic wetlands. Limnological Review, 17(3), s. 151-157.</p> |
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|                                                                | Supplementary literature | <p>Dutkowski M., 1995, Konflikty w gospodarowaniu dobrami środowiskowymi, Wydawnictwo Uniw. Gdańskiego, Gdańsk.</p> <p>Ocena planów i przedsięwzięć znacząco oddziałujących na obszary Natura 2000. Wytoczne metodyczne dotyczące przepisów Artykułu 6(3) i (4) Dyrektywy Siedliskowej 92/43/EWG, 2001</p> <p>Sołowiej D., 1992, Podstawy metodyki oceny środowiska przyrodniczego człowieka, Wyd. Nauk. UAM, Poznań, Zeszyty metodyczne GDOŚ nr 1,</p> <p>Florkiewicz E., Kawicki A., Postępowanie administracyjne w sprawach określonych ustawą z dnia 3 października 2008 r. o udostępnianiu informacji o środowisku i jego ochronie,... (PDF).</p> <p>Ekologiczne zagadnienia odwodnienia pasa drogowego, 2009, GDDKiA, Warszawa <a href="https://www.gov.pl/attachment/63504527-b83e-4991-b38c-309dc83e6e00">https://www.gov.pl/attachment/63504527-b83e-4991-b38c-309dc83e6e00</a></p> <p>Podręcznik dobrych praktyk wykonywania opracowań środowiskowych dla dróg krajowych, 2008, praca zbiorowa, GDDKiA, Warszawa</p> <p><a href="https://edroga.pl/images/stories/os_procedury/podrecznik_dobrych_praktyk/podrecznik_dobrych_praktyk.pdf">https://edroga.pl/images/stories/os_procedury/podrecznik_dobrych_praktyk/podrecznik_dobrych_praktyk.pdf</a></p> <p>Rozporządzenie Ministra Gospodarki Morskiej i Żeglugi Śródlądowej z dnia 12 lipca 2019 r. w sprawie substancji szczególnie szkodliwych dla środowiska wodnego oraz warunków, jakie należy spełnić przy wprowadzaniu do wód lub do ziemi ścieków, a także przy odprowadzaniu wód opadowych lub roztopowych do wód lub do urządzeń wodnych</p> |
|                                                                | eResources addresses     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Example issues/<br>example questions/<br>tasks being completed |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Work placement                                                 | Not applicable           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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