

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                         |                                     |                                                                                   |            |     |
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| Subject name and code                       | Programming and planning environmental, nature and landscape protection, PG_00150524                                                                                                                                                                                                                                                                                           |                                                          |                                         |                                     |                                                                                   |            |     |
| Field of study                              | Socio-economic geography with elements of GIS                                                                                                                                                                                                                                                                                                                                  |                                                          |                                         |                                     |                                                                                   |            |     |
| 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>Humanistic-social subject group |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                                              |                                                          | Mode of delivery                        |                                     | at the university                                                                 |            |     |
| Year of study                               | 1                                                                                                                                                                                                                                                                                                                                                                              |                                                          | Language of instruction                 |                                     | Polish                                                                            |            |     |
| Semester of study                           | 2                                                                                                                                                                                                                                                                                                                                                                              |                                                          | ECTS credits                            |                                     | 8.0                                                                               |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                                       |                                                          | Assessment form                         |                                     |                                                                                   |            |     |
| Conducting unit                             |                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                         |                                     |                                                                                   |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                             |                                                          | dr hab. Mariusz Kistowski               |                                     |                                                                                   |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                         |                                     |                                                                                   |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                    | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                                                           | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                          | 45.0                                                     | 0.0                                     | 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                                                       |                                         | 15.0                                |                                                                                   | 125.0      | 215 |
| Subject objectives                          | Introduction to the principles of eco-development and basic documents drawn up at local and regional level<br>Practical familiarisation with environmental protection objectives and environmental protection planning in communes, districts and provinces; Ability to assess natural processes in the environment and their significance for spatial development programming |                                                          |                                         |                                     |                                                                                   |            |     |

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| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Subject outcome                                                                                                                                                                            | Method of verification                                                            |
|                                 | [GSEMU2_W03] to a deeper extent the determinants (natural, social, economic, cultural) of processes occurring in the human life environment on various spatial and time scales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | explains the influence of natural, social and economic conditions on the process of strategic environmental planning on the example of municipal and provincial conservation plans         | [SW4] test/exam - oral or written                                                 |
|                                 | [GSEMU2_K03] initiate and organise activities for the preservation of cultural heritage and protection of the natural environment of the region, country, Europe in cooperation with various entities and authorities at various levels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Designs sets of indicators e for environmental policy-making at different levels of local and regional government in relation to a selected sozological problem                            | [SK1] oral statement/conversation/discussion<br>[SK4] test/exam - oral or written |
|                                 | [GSEMU2_W01] in-depth modern socio-economic processes as well as ordered and theoretically founded knowledge of socio-economic geography in connection with related natural and social scientific disciplines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Recognizes the complexity of the political and economic determinants of environmental protection                                                                                           | [SW4] test/exam - oral or written                                                 |
|                                 | [GSEMU2_U05] formulate and test hypotheses regarding determinants and factors (natural, social, economic, cultural) of processes occurring in socio-economic space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | identifies assumptions about economic, social and natural linkages in order to design appropriate conservation solutions                                                                   | [SU1] oral statement/conversation/discussion<br>[SU4] test/exam - oral or written |
|                                 | [GSEMU2_K02] solve cognitive and practical problems in the field of socio-economic geography in cooperation with various entities, taking into account the acquired knowledge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Implements environmental protection goals and objectives into planning documents to optimise solutions and mitigate spatial conflicts                                                      | [SK1] oral statement/conversation/discussion<br>[SK4] test/exam - oral or written |
|                                 | [GSEMU2_U02] properly select sources and information derived from them, with particular regard to sources of spatial information; evaluate them critically and interpret them creatively                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Extracts relevant information from legal and planning documents and from environmental inventories and valorisations for use in the development of environmental objectives and principles | [SU1] oral statement/conversation/discussion<br>[SU4] test/exam - oral or written |
| Subject contents                | <p>A: Problems of the lecture</p> <p>A1. Concept of environmental (ecological, sozological) protection policy</p> <p>A2. Basic principles and methods of strategic planning and their application in environmental protection programming</p> <p>A3. National environmental protection policy in the light of strategic documents</p> <p>A4. Principles for the development of provincial environmental protection programmes in the light of Polish experience.</p> <p>A5. Principles and methods of developing local (district and commune) environmental protection programmes</p> <p>A6. Other experience in strategic environmental protection planning on the example of communal low emission management plans</p> <p>A7. Conservation plans as a tool for sustainable development</p> <p>A8. Basic principles and objectives of nature conservation planning</p> <p>A9. Nature conservation at local and regional level</p> <p>A10. The role of nature inventory and valorisation in developing conservation objectives and principles</p> <p>A11. Identification of threats to the implementation of conservation objectives</p> <p>A12. Implementation of nature conservation - integration with spatial management and strategic documents</p> <p>A13. Protection of landscape in terms of legal regulations</p> <p>A14. Problems of landscape audit and priority landscapes</p> <p>A15. Scope and construction of legal documents on environmental and landscape protection</p> <p>A16. Landscape protection in investment activities</p> <p>A17. Natural processes and their significance for planning and spatial development</p> <p>B: Problems of the exercises</p> <p>B1. Analysis of compliance of the content of the selected municipal environmental protection programme with the principles of preparation of strategic documents and other good practices</p> <p>B2. Pressure and response indicators for environmental policy in relation to a selected sozological problem.</p> <p>B3. Analysis of a selected conservation plan (or protection tasks) of a Natura 2000 site/ nature reserve/ landscape park.</p> <p>B4. Landscape conservation - selected issues</p> |                                                                                                                                                                                            |                                                                                   |
| Prerequisites and co-requisites | knowledge of basic content in the field of protection and shaping of the environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                            |                                                                                   |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Passing threshold                                                                                                                                                                          | Percentage of the final grade                                                     |
|                                 | Partial credit work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.0%                                                                                                                                                                                      | 40.0%                                                                             |
|                                 | Exam test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51.0%                                                                                                                                                                                      | 60.0%                                                                             |

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| Recommended reading | Basic literature         | <p>Borys T. (red.), Wskaźniki zrównoważonego rozwoju, Wyd. Ekonomia i Środowisko, Warszawa Białystok.Czochański J., 2010, Krajobraz w systemie monitoringu planowania i rozwoju przestrzennego. Założenia do monitoringu na poziomie regionalnym, Ser. Problemy Ekologii Krajobrazu, pod red. S.Horskiej-Schwarz, Tom XXVI, Uniw. Wrocławski, PAEK, Wrocław.Czochański J., Pietruszewski J., 2016, Polityka ochrony krajobrazu w województwie pomorskim w kierunku audytu krajobrazowego w województwie pomorskim, Samorząd Pomorza, Zeszyty Problemowe, Nr 3/2016, UMWP, Gdańsk.Kistowski M., Staszek W., 1999, Poradnik do opracowania gminnych i powiatowych programów zrównoważonego rozwoju i ochrony środowiska, Wydawnictwo DJ, Gdańsk.Kistowski M., Staszek W., 2004, Abiotyczne komponenty środowiska przyrodniczego (w:) M.Ciechanowski, W.Fałtynowicz, S.Zieliński (red.) Planowany rezerwat przyrody Dolina Mirachowskiej Strugi na Pojezierzu Kaszubskim, Acta Bot. Cassub., s.9-19.Korwel B., 2003, Problemy delimitacji i ochrony obszarów Natura 2000 na przykładzie Specjalnego Obszaru Ochrony Jeziora Raduńsko-Ostrzyckiego na Pojezierzu Kaszubskim, Przegląd Przyrodniczy t. XIV z.1-2, s.163-171.Kistowski M., 2006, Wpływ programów ochrony na środowisko przyrodnicze. Ocena jakości i ekoinnowacyjności programów ochrony środowisk województw opracowanych w latach 2001-2005, Studia nad Zrównoważonym Rozwojem Tom III, Komitet Człowiek i Środowisko przy Prezydium PAN, Fundacja Rozwoju Uniw. Gdańskiego, Gdańsk.Warszawa.Lipińska B., 2011, Ochrona dziedzictwa kulturowego ujęcie krajobrazowe, Wyd. Arch. PG, Gdańsk.Macias A., Bródka S., 2013, Przyrodnicze podstawy gospodarowania przestrzenią, Wyd.Nauk. PWN, Warszawa.Matyjasiak P., 2012, Metodyka waloryzacji przyrodniczej. Część I: Zastosowania w ochronie przyrody. Studia Ecologiae et Bioethicae, UKSW, 10, 3.Pawlaczyk P., Jermaczek A., 2009, Poradnik lokalnej ochrony przyrody, Wyd. Klubu Przyrodników, Świebodzin.Sas-Bojarska A., 2017, Wielkie inwestycje w kontekście zagrożeń i ochrony krajobrazu, Wyd. Arch. PG, Gdańsk.Przewoźniak M., Czochański J., 2020, Przyrodnicze podstawy gospodarki przestrzennej, Bogucki Wyd.Nauk., Gdańsk-Poznań.Staszek W., 2001, Wpływ melioracji torfowisk wysokich i przejściowych na funkcjonowanie geosystemów obszarów pojeziernych (w:) Przemiany środowiska przyrodniczego Polski a jego funkcjonowanie, Problemy Ekologii Krajobrazu, t.X, praca zbior. pod red. K.German i J.Balona, Uniwersytet Jagielloński, Kraków, s. 75-82.Staszek W., 2017, Wskaźniki udziału obszarów zieleni w wybranych miastach województwa pomorskiego jako podstawa działań programowych i planistycznych, Rozwój Regionalny i Polityka Regionalna, 37 (2017).</p> |
|                     | Supplementary literature | <p>Dobrzańska B., Dobrzański G., Kielczewski D., 2008, Ochrona środowiska przyrodniczego, PWN, Warszawa.Kistowski M., Wiśniewski P., 2017, Niskowęglowy rozwój obszarów wiejskich w Polsce a plany gospodarki niskoemisyjnej. Wyd. Uniwersytetu Gdańskiego, Gdańsk.Pietrzak M., 2010, Podstawy i zastosowania Ekologii krajobrazu, PWSZ, Leszno.Plany zadań ochronnych w pigułce na przykładzie obszarów Natura 2000 w województwie pomorskim, RDOŚ Gdańsk, 2014.Staszek W., 2018, Influence of functional environmental processes on selected coastal ecosystems of the Gdańsk seashore, Ecological Questions 29 (2018)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                     | eResources addresses     | <p>Podstawowe<br/> <a href="https://crfop.gdos.gov.pl/CRFOP/search.jsf">https://crfop.gdos.gov.pl/CRFOP/search.jsf</a> - central register of nature conservation forms<br/> <a href="https://bdl.stat.gov.pl/bdl/metadane/">https://bdl.stat.gov.pl/bdl/metadane/</a> - local data bank<br/>         Adresy na platformie eNauczanie:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| Example issues/<br>example questions/<br>tasks being completed | Lecture: written test with open and closed questions (tasks)/Exercises:completion of coursework:<br>preparation of a presentation, statistical andgraphical analysis of data and interpretation of resultsBasic<br>assessment criteriaThe total mark for the course is the resultant mark for the components obtained -<br>theexamination from the lecture (60% of the final mark) and a pass mark from the exercises (40% of the final<br>mark).of the final mark); independently, a minimum of 51% of the sum of points in the exercise part of<br>theexercise part (student's own work and colloquia) and a minimum of 51% of the total points from<br>theexamination in the lecture part (open and closed questions test). |
| Work placement                                                 | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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