

Department of Spatial Planning and Environmental Sciences (Poland)

Institutional Information (Last update at: 22/01/2012)

School/Department name (Native language)	Katedra Gospodarki Przestrzennej i Nauk o Środowisku Przyrodniczym
AESOP reg Number	F-048-08
AESOP Member Status	Full Member
University	Warsaw University of Technology
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Contact persons

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School Information

Full time academic staff members	23
Part time staff members	0
Staff members engaged in research	23
Staff members engaged in professional activities	23

Degree Programmes and Educational Provision

Undergraduate/first cycle degree(s) offered at School/Department

Engineer

Number of years normally used to complete this degree(FT)	3.5
Part time option	No
Delivery mode	On campus
Number of ECTS	210
Teaching languages	Polish
Number of students graduated 2011	Total students 58 National students 58 EU students 58 Non EU students
Specialisation within in this Degree/the curriculum	No
The degree requires an assessed period of work in practice	No
Programme accreditation by a professional body/other institution	Yes, by State Accreditation Committee
Curriculum/approach description	<p>„Spatial Development“ course offers full-time first-cycle engineer’s degree studies that take 7 semesters.</p> <p>The main goal of students’ education in the „Spatial Development“ field of studies is to prepare staff and specialists capable of undertaking varied tasks within the scope of shaping spatial organization of social and economic development.</p> <p>Graduates of the first-cycle studies in „Spatial Development“ acquire highly specialized knowledge within the scope of shaping spatial organization of social and economic development, as well as general environmental, technical, economic and legal knowledge. This allows them to carry out tasks connected with spatial development. The essence of what is taught is the methodology of drafting local studies of conditions and directions of spatial planning and local development plans, which is founded on environmental, economic and legal basis. The planning technique is enriched by methods and technologies of spatial information systems, developed at Faculty of Geodesy and Cartography with the use of modern methods of obtaining data for the purposes of studies and drafting plans, as well as by methods of spatial analysis and graphic presentation of data and the analysis results. Much attention is paid also to shaping general skills that prepare the students for further self-education and development. Graduates speak a foreign language at B2 proficiency level within the meaning of the Common European Framework of Reference for Languages adopted by the Council of Europe (an exam is obligatory). Graduates are prepared to begin second-cycle studies.</p>

(Post)Graduate/masters or second cycle degree(s) offered at School/department

Master of Science

Number of years normally used to complete this degree(FT)	1.5
Part time option	No
Delivery mode	On campus
Number of ECTS	90

Teaching languages
Master of Science Polish

Total students National students EU students Non EU students

Number of students graduated 2011 31 31 31

Specialisation within
in this Degree/the
curriculum No

The degree requires
an assessed period of
work in practice No

Programme
accreditation by a
professional
body/other
institution Yes, by State Accreditation Committee

This is an Erasmus
mundus programme No

Curriculum/approach
description

„Spatial Development” course offers full-time second-cycle studies that take, respectively, 3 semesters (90 ECTS) for graduates of the first-cycle studies with engineer’s degree and 4 semesters (120 ECTS) for graduates with a bachelor’s degree.

Graduates of the second-cycle studies in „Spatial Development” acquire highly specialized knowledge within the scope of: sustainable development planning, shaping spatial environment of people in accordance with their needs, civilization requirements, technical potential and the principles of spatial order, taking into account European cultural heritage. Graduates obtain analytic, methodological and negotiating skills, as well as creativity, simultaneously becoming familiar with social and inter-cultural factors that influence activities in the field of spatial development. They are prepared to: draft planning documents, create concepts and programs for development of spatial units, manage the space, carry out analysis, model, forecast and simulate different variants of spatial development, by applying, in performance of the said tasks, the knowledge and skills connected with the technologies of spatial information systems and digital remote sensing researches.

It should be emphasized that the knowledge assimilated by the students is of interdisciplinary character: environmental, technical, social and economic. Classes are held by specialists from the faculties of Geodesy and Cartography, Architecture, Management, Administration and Social Science.

This field of studies at Warsaw University of Technology is unique in taking into account the traditions and significant scientific and educational achievements in the scope of spatial planning, urban studies, environmental studies, management of rural areas, as well as the methods and technologies connected with spatial information systems, processing and interpretation of satellite photographs, cartography and real estate management, that are intensively being developed at Faculty of Geodesy and Cartography. As a result, future graduates gain appropriate competence at the relevant education levels with respect to knowledge, skills and attitudes.

Projects and dissertations, often prepared in cooperation with interested units, are also of significant importance for preparing future graduates to solve, by applying modern methods, any material problems faced by communes (Pol. gmina – first level of local self-government in Poland), poviats (Pol. powiat – second level of local self-government in Poland) and voivodships (Pol. województwo – third level of local self-government in Poland). This ability is also developed by training organized at local self-government units, as well as by cooperation with foreign institutions.

By choosing and completing optional courses (during both first-cycle and second-cycle studies) the students can develop their specific interests, which may be of assistance in the course of gaining relevant professional qualifications by future graduates.