ABOUT US

POZNAŃ
UNIVERSITY
OF LIFE SCIENCES

The Poznań University of Life Sciences is one of the higher-education institutions in Poznań and takes a leading position in rankings of universities in Poland.

FACULTY OF ENVIRONMENTAL
AND MECHANICAL ENGINEERING
POZNAŃ UNIVERSITY OF LIFE SCIENCES

The Faculty of Environmental and Mechanical Engineering is one of the six faculties of the Poznań University of Life Sciences. It provides courses directed for students interested in engineering and technology, accepting outdoor activities in contact with nature.

CONTACT

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MSc courses at the Poznań University of Life Sciences
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For more information go to:
msc.puls.edu.pl/en
wisim.up.poznan.pl/wydzial/study-english/

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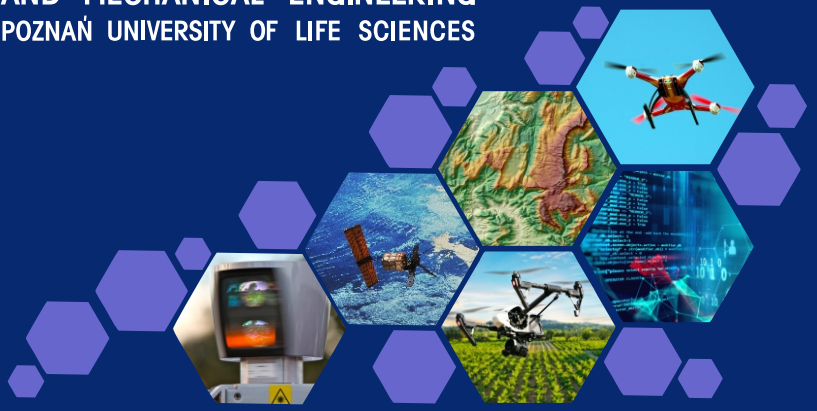

MSc in GEOINFORMATION AND SPATIAL MANAGEMENT

- ✓ for students who have completed their undergraduate studies (BSc or equivalent)
- ✓ duration: 4 semesters
- ✓ start date: October 1st
- ✓ MSc degree in Geo-information and spatial management, after completing the course and passing the final examinations
- ✓ tuition fee: 4200 EUR (1100 EUR per 1st, 2nd, 3rd semester and 900 EUR per 4th semester) + non-refundable enrolment fee (85 PLN)

THIS COURSE IS DESIGNED FOR:

- ✓ people interested in interdisciplinary knowledge to solve environmental and spatial management issues using geoinformation science and Earth observation techniques,
- ✓ people who would like to gain wide knowledge and technical skills to analyse, interpret, process and implement spatial and nonspecial databases, modern remote sensing techniques, and geo-informatics tools.

THE COURSE PROVIDE TO:

- ✓ special attention paid to implementation of modern remote sensing and geoinformation techniques, as well as spatial planning in order to promote sustainable development of urban and rural areas,
- ✓ competences in organizing and managing optical, airborne and UAV campaigns and processing of imaging spectroscopy data in order to map and monitor natural ecosystems, artificial infrastructures as well as natural hazards,
- ✓ the knowledge about databases contain both spatial and nonspatial data, managing the data, handling big databases andquery optimization techniques will be provided,
- ✓ programme includes a wide range of problems of industrial, rural and urban landscape.

CAREER OPTIONS FOR GRADUATES:

- ✓ rapidly growing geoinformatics industry,
- ✓ disaster management agencies,
- ✓ government and private sectors in European and global market.

THE PROGRAM:

The Geoinformation and spatial management course studies lasts 4 semesters (2 years). The course comprises more than 790 hours of lectures, classes, seminars and field trips. The study program includes issues related to the theoretical and practical aspects.

There are **three modules** of courses proposed here:

1. environmental processes: to understand basic environmental processes and use GIS tools for characterizing them,

2. technical and social aspects: to possess the knowledge about technical infrastructure of rural and urban areas, as well as settlements modeling of environmental processes and economic aspects of spatial management,

3. geoinformation and Earth observation systems: to apply modern geoinformation and remote sensing techniques for mapping and monitoring the natural environment, risk management, and protection of natural resources.