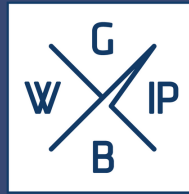




University of Warmia and Mazury in Olsztyn is situated in the north-eastern Poland, among lakes and forests. Currently, there are 17 faculties at UWM, 11 of which have full academic rights, namely the right to grant postdoctoral degrees (in 13 disciplines).



**FACULTY OF GEODESY,
GEOSPATIAL AND CIVIL
ENGINEERING**



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MASTER'S COURSE

GEODESY AND GEOINFORMATICS



Master's degree study (3 semesters):

Geodesy and Geoinformatics

Unmanned Aerial Systems (UAS):

- Multirotors
- Fixed-wings



Bathymetry:

- Bathymetric Measurements
- Singlebeam, Multibeam
Echo-Sounders

Multi-sensor measuring systems:

- Laser Scanning
- GPR Measurements

```
1 import arcpy
2
3 # A list of features and coordinate pairs
4 feature_info = [[["P", "1", "1", "1", "1", "1"],
5                  ["P", "2", "1", "1", "1", "1"],
6                  ["P", "3", "1", "1", "1", "1"]]]
7 # A list that contains each of the Polygon objects
8 features = []
9
10 for feature_info in feature_info:
11     # Create Polygon object based on the array of points
12     # Append to the list of Polygon objects
13     features.append(
14         arcpy.Polygon(
15             arcpy.Array([arcpy.Point(*coords) for coords in feature_info])
16         )
17     )
18 # Persist a copy of the Polyline objects using CopyFeatures
19 arcpy.CopyFeatures_management(features, "outpolyline.shp")
```

- Data processing
- Spatial Databases
- GIS programming

ABOUT US

Faculty of Geodesy, Geospatial and Civil Engineering exists in the structures of the University of Warmia and Mazury in Olsztyn since 1960.

About 2,500 students attend to 1st or 2nd level in the field of geodesy and cartography, geospatial or civil engineering courses.

GEODESY AND CARTOGRAPHY

Form of studies: full-time

Language: English

Duration: 3 semesters

Professional degree obtained: Master of Science in Engineering, M.Sc.Eng.

**15 years of experience
in education in English**

GEODESY AND GEOINFORMATICS

The master's degree study (3 semesters) in the area of Geodesy and Geoinformatics provides the candidate with extensive knowledge and skills in the field of geodesy and cartography, with special emphasis on the latest technologies for gathering and processing data acquired with the use of remote sensing methods.

The offered courses enable the candidate to gradually develop his/her skills in the area of geodesy and geoinformatics. The curriculum includes general and introductory courses offering both theoretical knowledge and practical instruction.

FUTURE

Studies in the area of Geodesy and Geoinformatics prepare the graduate for employment in surveying, cartographic and geoinformatic surveying companies, research institutions, development centers, also in central and local administration units.



**FOR FURTHER REQUIREMENTS PLEASE VISIT:
[HTTP://WGIPB.UWM.EDU.PL/EN](http://wgipb.uwm.edu.pl/en)**