University of Gdańsk

Subject card

Subject name and code	Cartography and topography - laboratory, PG_00120421		
Field of study	Geography		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	undergraduate studies	Subject group	Obligatory subject group in the field of study 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 Polish
Semester of study	1	ECTS credits	3.0
Learning profile	academic	Assessment form	
Conducting unit	Centrum Monitoringu i Ochrony Wód -> Faculty of Oceanography and Geography		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Włodzimierz Golus	
	Teachers	dr Włodzimierz Golus	

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30	20.0	40.0	90

Subject objectives	Mastery the program content in the field of cartography and topography, aiming to: (1) acquire skills in utilizing appropriate cartographic methods to present elements of the geographical environment and socio-economic phenomena, (2) achieve versatile map reading skills and select and utilize available geographic information sources, including electronic sources, necessary for drafting specified maps, (3) gain skills in measurements on traditional maps and proficiency in using electronic maps and atlases.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOGRL3-U06] apply methods and research tools of geographic sciences, including conducting observations and field measurements, and assess their suitability for the tasks in which the application objective of geography can be achieved	Ability to apply cartographic methods and knowledge of basic research tools needed in the map creation process; understanding of observation and field measurement methods used in topography. By applying appropriate research methods and tools in the field of cartography and topography, they acquire data from maps as well as from direct independent observations and field measurements, which after thorough analysis, they use for the compilation of original thematic maps.	[SU2] presentation/project/paper/ report
[GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources	Having knowledge of essential terrain information sources required in cartography and topography, along with the ability to make accurate choices of electronic and online sources.	[SU2] presentation/project/paper/ report
[GEOGRL3-K03] work in a group and perform various roles in it, take care of the entrusted equipment and the safety of themselves and others	Understanding the dynamics of working in a team, along with the ability to adapt to different roles, understanding the importance of care and responsibility for entrusted cartographic equipment, including safety principles associated with its use.	[SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work

Subject contents

1. Methods of depicting relief on maps.

2. Scales and bars..

3. Cartographic projections.

4. Methods of representing phenomena on thematic maps.

5. Cartographic generalization.

6. Coordinate systems on overview and topographic maps. Sectional division.

7. Cartometry.

8. Thematic maps.

9. Cartography - overview and discussion of selected works in contemporary cartography.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Progress assignments	51.0%	100.0%

Recommended reading

Basic literature	- Pasławski J. (red.), 2010, Wprowadzenie do kartografii i topografii, Wydawnictwo Nowa Era Redakcja Kartograficzna, Wrocław; - Pelczar M., Szeliga J., Ziółkowski J.,1991, Zarys kartografii i topografii, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk. A.2. studiowana samodzielnie przez studenta - Ratajski L., 1989, Metodyka kartografii społeczno-gospodarczej, PPWK, Warszawa-Wrocław; - Saliszczew K.,1998, Kartografia ogólna, PWN, Warszawa.
Supplementary literature	- Churski Z., Galon R.,1996, Siatki Kartograficzne, Wydawnictwo UMK, Toruń. - Dzikiewicz B., 1971, Topografia, Wyd. Ministerstwa Obrony Narodowej. - Berlant A., Pasławski J. (red.), 2001, Metody kartograficzne a możliwości systemów komputerowych, Uniwersytet Warszawski, Warszawa

	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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