



Syllabus of the course «Geoinformation systems in tourism»

Specialty	242 «Tourism and Recreation»
Study Programme	«Tourism»
Study cycle (Bachelor, Master, PhD)	the first (Bachelor) level of higher education
Course status	elective
Language	English
Term	second year third semester or second year fourth semester or third year fifth semester or third year sixth semester or fourth year seventh semester or fourth year eighth semester
ECTS credits	5
Workload	Lectures – 24 hours. Practical studies – 0 hours. Laboratory studies – 24 hours. Self-study – 102 hours.
Assessment system	Grading including Exam
Department	Department of tourism, building 1, auditorium 316, phone: (057)758-77-26 (ext. 451), website: http://tourism.hneu.edu.ua/
Teaching staff	Nadiya Dekhtyar, PhD in Economics, associate professor of the Tourism Department
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Course schedule	Lectures: according to the schedule Practical studies: according to the schedule
Consultations	At the Department of tourism, offline, according to the schedule, individual, PNS chat.
Learning objectives and skills:	
is formation of a system of theoretical knowledge and applied skills aimed at work with the modern techniques and services of geoinformation technologies used for the collection, processing and presentation of mapping data	
Structural and logical scheme of the course	
Prerequisites	Postrequisites
-	-
-	-
Course content	
Module 1. Basics of geoinformation technologies	
Topic 1. Digital cartography	
Topic 2. Principles of navigation systems. Global positioning systems	
Topic 3. Processing of analytical data	
Topic 4. GIS hardware and software requirements. Stages of spatial design	
Topic 5. Online services based on geoinformation technologies	
Module 2. Use of geoinformation technologies in economic research	
Topic 6. Requirements for the organization and processing of geospatial information in different industries	
Topic 7. Modelling of geospatial tasks. Methods of data visualization	
Topic 8. Types of spatial data and methods of computer presentation of geographical	



information

Topic 9. Cadastral zoning and territorial development planning

Topic 10. Integration of GIS with other tourist services

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system

Assessment system

Assessment of students' learning outcomes is carried out by the University according to the cumulative 100-point system.

Current control is carried out during lectures and practical (seminar) classes and aims to assess the level of students' readiness to perform particular tasks, and is assessed by the amount of scored points.

The maximum amount during the semester – 60 points; the minimum amount required is 35 points. Final control is carried out at the end of the semester in the form of an exam (the maximum amount is 40 points, the minimum amount required is 25 points).

Current control includes the following assessment methods: assignments on a particular topic; testing; presentations, and calculation tasks.

More detailed information on assessment and grading system is given in the technological card of the course.

Course policies

Teaching of the academic discipline is based on the principles of academic integrity.

Violation of academic integrity includes academic plagiarism, fabrication, falsification, cheating, deception, bribery, and biased assessment.

Educational students may be brought to the following academic responsibility for breach of academic integrity: repeated assessment of the corresponding type of learning activity.

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self-study is given in the Course program.