

Tárgy neve: GIS Project

Tárgyfelelős neve: Dr. Reyes Nunez José Jesús

Tárgyfelelős tudományos fokozata: PhD

Tárgyfelelős MAB szerinti akkreditációs státusza: AT

Az oktatás célja:

a, knowledge

- An intensive synthesis of knowledge acquired in the previous years, covering all areas (research, programming, data presentation, drafting)

- Factual and problem-specific (detailed) knowledge of the specific task

- Knowledge of the partner institution in the case of an external data provider

b, abilities

- Independent problem-solving, decision-making on technical issues, in the field and in an office environment

- Structuring, planning and carrying out complex tasks

- Developing vocabulary and professional expression in oral and written reports

c, attitude

- Accepts and adheres to the ethical principles of work and organizational culture, especially with regard to the copyright related to geoinformatics.

- Committed to adhering to and making others adhere to quality requirements.

d, autonomy and responsibility

- Independence regarding the thorough examination and elaboration of professional issues and processes.

- Feels responsible for meeting and making others meet the deadlines. He/she is responsible for his/her work and for his/her co-workers' work in projects.

- With his/her knowledge and skills of geoinformatics, he/she cooperates responsibly with professionals in other fields.

Az oktatás tartalma:

Students independently but driven by instructors carry out a complex task on the basis of previous studies.

The tasks must contain the interpretation of problem solving of a relevant topic in GIS environment or creating and interpretation of a complex spatial information system.

Segments of the task:

- formulation of the topic and the basic questions
- data collection, digitization
- designing the database / programming
- queries
- analysis, evaluation of the results, conclusions
- development of the system and publication of the results
- documentation of the project
- oral presentation of the workflow and results

A számonkérés és értékelés rendszere: practical course mark based on course work.

Kötelező irodalom:

- Roger Tomlinson: Thinking about GIS. ESRI Press, Redlands, USA, 2007 ISBN: 9781589483484
- Dent, Torguson, Hodler: Cartography – Thematic Map Design. McGraw-Hill Education, 2008 ISBN: 9780697384959

Ajánlott irodalom:

- Slocum, McMaster, Kessler, Howard: Thematic Cartography and Geographic Visualization. Pearson, 2008. ISBN: 9780132298346
- Tyner, J.: Map Design. The Guilford Press, New York, 2010 ISBN: 9781462517121