

Tárgy neve: Specific GIS software solutions

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Tárgyfelelős tudományos fokozata: PhD

Tárgyfelelős MAB szerinti akkreditációs státusza: AR

Az oktatás célja:

a, knowledge

- Using previously acquired knowledge and experience, a high level of proficiency in almost any geographic information software and the ability to transfer this to others.

- Practical use of GIS in a wide range of subjects

- Producing user manuals

b, abilities

- Ability to interpret complex professional problems in the field of geoinformatics, to explore the necessary theoretical and practical background and to solve problems.

- Ability to interpret geographical/spatial phenomena, processes and information, and to plan, organize, manage and control processes in the field of geoinformatics.

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

- Committed to environmentally conscious behaviour in his/her field and laboratory activities.

- Monitors professional and technological developments in the field of geoinformatics and the labour market trends.

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: The aim of the course is to familiarize the students with software products that were made for special purposes. Each student chooses a software program, they learn its use, then they make a short description about it, and show its use to other students via examples.

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
- https://www.researchgate.net/publication/323945547_Fundamentals_of_GIS

Ajánlott irodalom:

- https://www.researchgate.net/publication/331566663_Introduction_to_SAGA_GIS
- <https://www.hec.usace.army.mil/software/hec-ras/documentation/HEC-RAS%205.0%20Reference%20Manual.pdf>