

Tárgy neve: Creating Databases in Human Geography

Tárgyfelelős neve: Bottlik Zsolt

Tárgyfelelős tudományos fokozata: PhD

Tárgyfelelős MAB szerinti akkreditációs státusza: AT

Az oktatás célja:

a) knowledge

- Use of database management software
- Knowledge of basic database concepts
- Systematic structuring of data

b) abilities

- Understanding complex technical problems
- Interpretation of spatial phenomena
- Complex processing of results

c) attitude

- Committed to environmentally conscious behaviour in his/her field and laboratory activities.
- Committed to adhering to and making others adhere to quality requirements.
- Shares his/her knowledge, considers it important to communicate the results of geoinformatics.
- Open to professional cooperation with professionals working in related fields.

d) autonomy and responsibility

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

Az oktatás tartalma: The course is based on the use of MS Access. The aim of the course is to acquaint students with the initial steps of database construction and to organize the data of a specific socio-geographical phenomenon into relations, as well as to start and further develop the construction of the database. This process will introduce students to the basic database elements (tables, queries, forms, reports) and their use. The procedures for designing the database will be mastered through the problem of sorting the data. They will also learn about methods that simplify data entry and limit errors. Algorithms that ensure the fastest possible retrieval of data information will also help them to use other GIS-based systems.

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

Kötelező irodalom:

- Alexander, M – Kusleika R. (2018): Access 2019 Bible. John Wiley and Sohn Inc, New York 1136 p.
- Ron McFadyen (2016): Relational Databases and Microsoft Access, Open Textbook, <https://open.umn.edu/opentextbooks/formats/609>
- Steven Roman (2002): Access Database, Design and Programming, O'Reilly, ISBN 978-0596002732

Ajánlott irodalom:

- McGrath, M. (2019): Access in easy steps - illustrated using Access 2019: Illustrating using Access 192 p.
- Pratt, P. – Last, M. (2016): Shelly Cashman Series Microsoft®Office 365 & Access®2016: Comprehensive, 856 p.
- Garry Robinson (2004): Real World Microsoft Access Database Protection and Security, Springer, DOI:10.1007/978-1-4302-0793-1