

Tárgy neve: CAD-based GIS

Tárgyfelelős neve: Bottlik Zsolt

Tárgyfelelős tudományos fokozata: PhD

Tárgyfelelős MAB szerinti akkreditációs státusza: AT

Az oktatás célja:

a) knowledge

- Confident in the use of vector based geospatial software
- Knowledge of the basic concepts of vector-based GIS
- Ability to produce maps to meet all requirements
- Knowledge of CAD commands

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.

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 learn the basics of AutoCAD software. The course topic covers the joint use of ArcGIS software too, as it is essential for GIS specialists to know the transition among these software programs. As CAD software solutions are preferred and often used in municipal GIS, the examples during the course and the practical tasks and project tasks are related to the geographical scale of settlements.

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

Kötelező irodalom:

- An Introduction to AutoCAD for Beginners. Learn about AutoCAD. Autodesk - AutoCAD. online, <https://images-na.ssl-images-amazon.com/images/I/C1BxaOC0-IS.pdf>
- The Hitchhiker's Guide to AutoCAD. Autodesk Help. online, <https://knowledge.autodesk.com/support/autocad/learn-explore/caas/CloudHelp/cloudhelp/2020/ENU/AutoCAD-Core/files/GUID-2AA12FC5-FBB2-4ABE-9024-90D41FEB1AC3-htm.html>

Ajánlott irodalom:

- Elliot J. Gindis – Robert C. Kaebisch (2021): Up and Running with AutoCAD 2021. Elsevier. ISBN 978-0-12-823117-3. DOI <https://doi.org/10.1016/C2019-0-04914-X>
- Rick Ellis – Russell Martin (2020): A Practical Guide to AutoCAD Map 3D 2020. ISBN 978-1934865460.