

Tárgytematika / Course Description CAD Applications 1.

EKNB_KETA029

Tárgyfelelős neve /

Teacher's name: dr. Kosztolányi-Iván Gabriella

Félév / Semester: 2023/24/1

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 0/0/3

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

In the class we will learn the principles of highway engineering design, construction, and maintenance. Will learn about traffic flow and traffic design.

TANTÁRGY TARTALMA / DESCRIPTION

1. Introduction to AutoCAD
2. Geometric elements and editing operations
3. How to handle the screen?
4. Drawing basic geometrics using AutoCAD
5. Useful tools
6. Properties of drawing objects
7. Drawing and editing complex objects
8. Basic and advanced editing operations
9. Text object
10. Tables
11. Hatching
12. Mid-term exam and homework
13. Paper space
14. Print
15. Blocks, block attributes
16. Annotation
17. Surveying, contour lines, editing contour lines
18. Drawing exercise: road planning
19. Drawing exercise: earthworks
20. Watershed, floodplain

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

exam and two mid-term tests, three assignments

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Recommended reading: James D. Bethune: Engineering graphics with AutoCAD 2017. Pearson
Paul Richard: Introduction to AutoCAD 2017. Pearson

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL