

Tárgytematika / Course Description

CAD Applications 2.

EKNB_KETA030

Tárgyfelelős neve /

Teacher's name: dr. Miletics Dániel

Félév / Semester: 2022/23/2

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

This course teaches second level computer aided design. You will gain basic skills to use civil engineering softwares for different applications using BIM and CIVIL 3D software.

TANTÁRGY TARTALMA / DESCRIPTION

- 1 BIM: Nemetschek Allplan basic concepts
- 2 BIM: Familiarization with the software and its interface
- 3 BIM: Applying BIM principles, putting the building model on BIM
- 4 BIM: Building a BIM Building Model; Listing, material collection.
- 5 BIM: Listing, material collection.
- 6 BIM: Possibilities of using model information
- 7 BIM: Consultation / 1st Report (BIM)
- 8 Civil 3D: Importing points
- 9 Civil 3D: Creating Surfaces
- 10 Civil 3D: Horizontal alignment
- 11 Civil 3D: Vertical alignment
- 12 Civil 3D: Assemblies;
- 13 Civil 3D: Corridor; cross-sections
- 14 Civil 3D: Consultation / 2nd Report (Civil3D)

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

exam and two mid-term tests, three assignments

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Compulsory reading : Materials uploaded to SZElearning

BIM: <https://www.allplan.com/cad-tutorials/allplan-2020-tutorials/>; AutoCAD Civil3D:
<https://knowledge.autodesk.com/support/civil-3d/gettingstarted/caas/CloudHelp/cloudhelp/2019/E>