

Tárgytematika / Course Description

Transport infrastructure 1

EKNB_KETA025

Tárgyfelelős neve /

Teacher's name: dr. Makó Emese

Félév / Semester: 2022/23/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/2/0

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

Week #1	Course requirements, Road vehicles
Week #2	Traffic flow
Week #3	Sight distance
Week #4	Horizontal alignment 1
Week #5	Horizontal alignment 2
Week #6	Vertical alignment 1
Week #7	Vertical alignment 2
Week #8	Pavement design 1
Week #9	Pavement design 2
Week #10	Cross sections 1
Week #11	Cross sections 2
Week #12	Intersections
Week #13	Plot and documentation
Week #14	Practice

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

final exam and one assignments

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Compulsory reading

Fred L. Mannering, Scott S. Washburn: Principles of highway engineering and traffic analysis

Recommended reading

AASHTO Green: A Policy on Geometric Design of Highways and Streets

