

Tárgytematika / Course Description

Transport infrastructure 2

EKNB_KETA026**Tárgyfelelős neve /****Teacher's name:** Nagy Richárd**Félév / Semester:** 2025/26/2**Beszámolási forma /****Assesment:** Vizsga**Tárgy heti óraszám /****Teaching hours(week):** 2/1/0**Tárgy féléves óraszám /****Teaching hours(sem.):** 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The lectures (2*45 min) consist of two parts: theory (45 min) and theory based tutorial (45 min). The attendance at the lectures is not compulsory, but the activity is going to be checked through small assignments connected to the topic of the given lecture. Completion of all the small assignments is one of the requirements of the signature. The practice classes (1*45 min) focus on an individual road design assignment which has to be prepared through the semester step by step following the instructions given at the classes and the szelearning. At most 50 points can be reached with the individual design assignment, and at least 30 points (60%) have to be reached as the minimum requirement of the signature. The exam is written and oral and at least 30 point from the maximal 50 points have to be reached for the succesful exam. Final mark is calculated as the sum of the points of the assignment and the exam: up to 59 points: 1, 60-69 points: 2, 70-79 points: 3, 80-89 points: 4, from 90 points 5. An offered grade can be aquired when all the small assignments are done and the individual design assignment is of good quality (80-89%: 4; 90-100%: 5).

Type of assignment: Details are given at the practice classes and at the szelearning. The evaluation of the assignment is based on the submitted written and plotted design documentation.

Compulsory reading: pdf files of the presentaions and further reading on the Sze-learning site.

TANTÁRGY TARTALMA / DESCRIPTION

Témakör név: General Informations

Témakör leírása: Introduction Highway functions and road categories Vertical alignment - sight distances Vertical alignment - crest and sag design Horizontal alignment Combination of vertical and horizontal alignment Superelevation, superelevation transition Cross section Intersections Principles of pavement design, pavement materials) Pavement design felxible Pavement design rigid Pavement construction Highway drainage system

Témakör kulcsszavai:

Tevékenység típusok

Kontakt előadás

Mérték: 28 tanóra (hour)

Leírás: Lecture

Kötelező: Igen

Becsült Idő: 28 óra

Kontakt gyakorlat

Mérték: 14 tanóra (hour)

Leírás: Practice

Kötelező: Igen

Becsült Idő: 14 óra

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Számonkérési forma:

Vizsga (Exam)

Kötelező félévközi zárthelyik (oktató által javított)

Mérték: 2 db (PCS)

Leírás: Mid-term exams

Kötelező: Igen

Becsült Idő: 78 óra

Aláírás kialakításának módja:

Passing all midterm exams with at least a satisfactory grade.

Érdemjegy kialakításának módja:

The average of midterm grades.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Compulsory reading

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL