

Tárgytematika / Course Description

Traffic safety

EKNM_KETA019

Tárgyfelelős neve /

Teacher's name: dr. Borsos Attila

Félév / Semester: 2023/24/1

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

After this course you will be able to:

- explain the differences in various road safety indicators and interpret road safety trends;
- describe the role of road safety infrastructure management tools and apply them to real-life cases;
- apply various road safety assessment tools and statistical models;
- identify research gaps and perform research related to road safety.

TANTÁRGY TARTALMA / DESCRIPTION

- Basic notions
- Road safety trends (international, Hungarian)
- Safe system approaches
- Accident data collection and errors
- Road infrastructure safety management
- Education, enforcement, emergency services
- Traffic conflict technique
- Before-after studies
- Accident prediction modeling
- Human factors in road design

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Assignment (30%): writing a research proposal (10%-oral presentation, 20%-written report)

Written exam (70%): typical exam questions/exercises are provided in lecture slides

Evaluation:

55-64% sufficient (2)

65-74% satisfactory (3)

75-84% good (4)

85%- excellent (5)

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Lecture slides + background materials uploaded to szelearning.

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL