

Tárgytematika / Course Description

Traffic safety

EKNM_KETA019

Tárgyfelelős neve /

Teacher's name: dr. Borsos Attila

Félév / Semester: 2024/25/2

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

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.
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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
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SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'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