

Tárgytematika / Course Description

Selected Topics in Traffic Engineering

NGM_ET103_1

Tárgyfelelős neve /

Teacher's name: dr. Koren Csaba

Félév / Semester: 2020/21/1

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

To get acquainted with the advanced concepts of Traffic Engineering

TANTÁRGY TARTALMA / DESCRIPTION

Traffic flow of road sections. Traffic flow at priority junctions. Capacity calculation of priority junctions. Traffic flow at signalised junctions. Capacity calculation of signalised junctions. Strategies of traffic actuated signal control. Geometric design of roundabouts. Turbo roundabouts. Capacity calculation of roundabouts. Traffic conflict method. Safety management of road networks. Impacts of road safety measures. Intelligent transport systems. International trends of road safety

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Assignments are evaluated at maximum 50 points. A minimum of 26 points have to be reached. Test exam is evaluated at maximum 50 points. A minimum of 26 points has to be reached. Final mark: up to 50 points: 1, 51-64 points: 2, 65-74 points: 3, 75-84 points: 4, from 85 points 5.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

pdf files of the presentations and further reading on the Moodle site
