

Tárgytematika / Course Description

Selected topics of road planning and design

NGM_ET111_1

Tárgyfelelős neve /

Teacher's name: dr. Koren Csaba

Félév / Semester: 2019/20/2

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

To get acquainted with various assesment methods of road design.

TANTÁRGY TARTALMA / DESCRIPTION

Safety considerations in road design. Human factors in road design. Functional classification of roads. Self-explaining roads. Typical road safety deficiencies. Road safety audit. Speed choice as a function of road layout. Comparison of design guidelines from Hungary, the Netherlands and Germany.

Evaluation methods in road design. Cost-benefit analysis. Strategic environmental assessment. Road safety impact assessment. Multi-criteria analysis. Value engineering in road design

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