Tárgytematika / Course Description

Pedestrian and cycle traffic

EKNM_KETA039

Tárgyfelelős neve / Teacher's name: dr. Makó Emese

Félév / Semester: 2021/22/2

Beszámolási forma / Assesment: Vizsga

Tárgy heti óraszáma / Teaching hours(week): 2/1/0

Tárgy féléves óraszáma / Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The course Pedestrian and cycle traffic is aimed at providing competence of designing bicycle and pedestrian infrastructure and expanding the knowledge of the students in this increasingly important area ensuring that safe and sustainable transport alternatives are provided to promote modal shift.

TANTÁRGY TARTALMA / DESCRIPTION

1) Environmental issues of pedestrian and bicycle traffic
2) Road safety of cyclists and pedestrians
3) Quality requirements for cycling infrastructure
4) Planning philosophies of an integrated cycling infrastructure
5) Characteristics of bicycle parking facilities
6) Benefits of a proper cycling infrastructure for citizens, developers and for the wider public
7) Development of network planning for cyclists
8) Main characteristics of liveable communities
9) Pedestrian Level of Service
10) Design of pedestrian facilities
11) Intersection related measures for increasing pedestrians' safety
12) Accessible design – universal design

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

There are two assignments required in the course. Both are evaluated at maximum 15 points. A minimum of 9 points have to be reached from both. Test exam is evaluated at maximum 50 points, a minimum of 26 points has to be reached. 20 points can be obtained by active participation in the lectures.

Final mark: up to 50 points: 1, 51-64 points: 2, 65-74 points: 3, 75-84 points: 4, 85-100 points: 5.

Assignments are described separately. They are evaluated based on their content and the quality of the presentation.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Compulsory literature:

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

Recommended literature:

Daamen, W, Hoogendoorn, SP, Bovy, PHL: First-order Pedestrian Traffic Flow Theory. Washington DC: National Academy Press, 2005:

http://www.pedestrians.tudelft.nl/publications/TRB05d%20tft.pdf;

http://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/presto_policy_guide_cycling_infrastructure_en.pdf