

Tárgytematika / Course Description

Case studies in railway construction

EKNM_KETA043

Tárgyfelelős neve /

Teacher's name: dr. Fischer Szabolcs

Félév / Semester: 2022/23/2

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 2/1/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The aim is to broaden the knowledge of the students with discussion about special railway infrastructure problems, phenomena, failures, defects, etc. The students have to prepare project work in teams.

TANTÁRGY TARTALMA / DESCRIPTION

Planned program:

Week #1: Project work consultation

Week #3: Project work consultation

Week #4: Project work consultation

Week #5: Project work consultation

Week #6: Project work consultation

Week #7: Project work consultation

Week #8: Project work consultation

Week #9: Project work consultation

Week #10: Project work consultation

Week #11: Project work consultation

Week #12: Project work consultation

Week #13: Project work consultation

Week #14: Students' presentations + submission of project work in written

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

End semester signature

Students are given end semester signature who attended the project work consultations.

Tasks in the semester, marks

Student project work. Mark: 10% attendance, 30% presentation, 60% written project work.

Evaluation

The mark – calculated as above – received from the project work is registered into Neptun system. Marks are from 1 (worst) to 5 (best).

0.00-59.99%: 1

60.00-69.99%: 2

70.00-79.99%: 3

80.00-89.99%: 4

90.00-100.00%: 5

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

- PPT presentations
- education materials on elearning.sze.hu webpage
- Coenraad Esveld: Modern railway track Second Edition, MRT-Productions, 2001

Bernard Lichtberger: Track compendium, Eurail press, 2005

own-written notes