

## Tárgytematika / Course Description

### Case studies in railway construction

EKNM\_KETA043

**Tárgyfelelős neve /**

**Teacher's name:** Dr. Fischer Szabolcs

**Félév / Semester:** 2022/23/1

**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