

**Tárgytematika / Course Description****Engineering Ethics****EKNM\_SETA019****Tárgyfelelős neve /****Teacher's name:** Dr. Kegyes-Brassai Orsolya Katalin**Félév / Semester:** 2023/24/1**Beszámolási forma /****Assesment:** Folyamatos számonkérés**Tárgy heti óraszám /****Teaching hours(week):** 2/0/0**Tárgy féléves óraszám /****Teaching hours(sem.):** 0/0/0**OKTATÁS CÉLJA / AIM OF THE COURSE*****Goals of the course***

Ethical questions connected with the civil engineering activity, competence and societal roles are discussed. Scrutiny is extended to the challenges related with the application and development of professional engineering knowledge. Instead of teaching a unique, standard system the students are invited and stimulated in seminar-like discussions to increase their well-informed knowledge about the values and limits represented by several ethical schools. Case studies are presented and discussed to reconsider and assess their personal ethical attitudes.

**TANTÁRGY TARTALMA / DESCRIPTION*****Course description***

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## ***Assessment methods***

Students are expected to attend all classes. The requirement for obtaining signature at the end of the semester is a participation in at least 70% of the classes (10 out of 14 weeks).

All of them have to

- select and compare two or three ethical schools for presenting their bases, history, values, advices, etc,
- elaborate a case study (combined with oral presentation),
- submit short exercises during classes and participate in their discussion.

### **Evaluation - mid-semester assessment**

Available scores in partial performance evaluation:

- |  |      |
|--|------|
| <input type="checkbox"/> comparison of ethical schools | 0-20 |
| <input type="checkbox"/> presentation at the seminar   | 0-20 |
| <input type="checkbox"/> case study analysis           | 0-40 |
| <input type="checkbox"/> short class exercises (4x5)   | 0-20 |

Students can choose on their preferences if they want to hand in an assignment or not. The minimum score can be obtained with different submissions: e.g. first two assignment (2×20) and 2 or 3 short class exercises. Or the written assignment (40) and 2 or 3 short class exercises.

However in case on late submission the maximum obtainable score is the 80 % of the total.

Deadlines are available on the Moodle-site of the course:

<https://szelearning.sze.hu/course/view.php?id=373>

Marking intervals				
...-50 failed	51-63 accepted	64-76 average	77-89 good	90- excellent

So far assignments have to be accomplished until the exam period there is no possibility to hand in assignment in exam period. latest possibility to hand in an assignment is the Fríday of the first week of exam period until midnight. Later assignments will not be taken into account at marking.

Consultation is available within the time of the class and in another time agreed upon by a prior email.

All information concerning the course and all teaching materials are available on Moodle-site of the course. Official communication is through this site.

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## **KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL**

### ***Reading***

Martin M W, Schinzinger R: Introduction to Engineering Ethics

papers, textbook chapters provided by the lecturer and/or circulated in the internet

[http://en.wikipedia.org/wiki/Engineering\\_ethics](http://en.wikipedia.org/wiki/Engineering_ethics)