

## Tárgytematika / Course Description

### Engineering Ethics

EKNM\_SETA019

**Tárgyfelelős neve /**

**Teacher's name:** dr. Scharle Péter

**Félév / Semester:** 2019/20/1

**Beszámolási forma /**

**Assesment:** Folyamatos számonkérés

**Tárgy heti óraszám /**

**Teaching hours(week):** 2/0/0

**Tárgy féléves óraszám /**

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

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### OKTATÁS CÉLJA / AIM OF THE COURSE

Instead of learning and accepting a unique, optimal and right ethical system the students are invited and stimulated in seminar-like discussions

to increase their well-informed knowledge about the values and limits represented by the ethical schools,

to reconsider and assess their personal ethical attitudes,

to discuss the possibilities of accepting different merits and cooperation potentials existing within the different ethical confessions and engagements.

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### TANTÁRGY TARTALMA / DESCRIPTION

Overview of ethical issues. Ethical values, ancient and contemporary ethical schools

General and professional ethics. Motivations and limits of choice among and within the ethical systems

Professional, corporate and societal determination of the maxims for engineers. Codes of ethics

Functional ethics (design, expertize, supervision, construction, innovation, forensic engineering etc).

Rules and responsibilities connected with educational levels and competences

Ethical risks, traps, corporate conflicts.

Individual, communal, societal frames and constraints of the ethical behaviour.

Ethical questions of leadership and professional influence with BE and ME competence

Case studies with societal lessons.

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## SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

Students are expected to attend all classes. 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** (available scores in partial performance evaluation):

comparison of ethical schools	0-15
presentation at the seminar	0-10
case study analysis	0-35
short class exercises (5x5)	0-25
general activity (on subjective terms)	0-15

Marking intervals

...-40 failed	41-53 accepted	54-66 average	67-79 good	80- excellent
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## KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

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)

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