

Ethics education for engineering students. Build your own teaching materials

Duration: 90 minutes

Aim of the workshop: to familiarise the audience (teachers, students, researchers) with the 4TU.Ethics method of building up case-based exercises to be used in teaching ethics and philosophy of technology. The participants can further use this method to build their own teaching materials.

Format: work in small groups; each group is asked to build a case based exercise intended to be taught in an ethics/ philosophy of technology course for engineering students. The participants receive a basic kit consisting of documents with learning outcomes, suggested educational formats, and a template for describing case-based exercises.

Format:

- 10 -15 minutes, the workshop conveyors introduce the exercise to the groups.
- 45 minutes - each group works on building one case using the kit and choosing a story they would like to focus on. Outcome: a newly written case based exercise which comprising: one or more learning outcomes, a story, some clearly defined steps and questions and an evaluation rubric.
- 25 minutes - groups exchanges their exercises with the purpose to give feedback to each other (How would I teach this? Is it clear enough? Is it realistic for the intended audience level, outcome, timeframe?)
- 5 minutes - wrap up

After the workshop, the groups can integrate the feedback received from their peers and submit their exercise to be published on the platform Wikiwijs as part of the 4TU.Ethics project.

material requirements: room with tables arranged for group work, wifi