

Building Energy Optimisation EEN-E4007 (5 cr)

Course plan 2022

Course staff

Senior University Lecturer

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Preferred contact: E-mail and MyCourses



Activities in the course

- One (1) learning assignment
 - Extensive project work in groups, grading scale: 0 – 5
- Five (5) homeworks
 - Individual work, passed/failed + bonus grade (max. +1)
- On-line learning:
 - Self-studying: learning material + recordings
 - Instruction via email/MyCourses discussion
 - Six (6) Teacher's receptions
- No examination

Learning Assignment (LA)

- This is a largish problem solution done in work groups of MAX three (3).
- Registration to the work groups via MyCourses.
- The work is reported according to given instructions and is submitted for assessment via MyCourses by November 24, 2022.
- The report is assessed on the scale 0...5, where the grades “1 – 5” represent “passed” accomplishments.
- The grade represents the final mark of the course and is equal for each group member.

Homework (HW)

- Each homework
 - consists of 2 exercises (i.e., computational problems) that are solved *individually* and submitted via MyCourses platform by the given deadlines (**NOTE:** submission is closed at 10:00 AM).
 - is assessed as failed/passed.
 - An excellent HW outcome elevates the course mark by one (1) grade (apart from the case where the learning assignment is either failed or passed with the maximum grade).
- Passing the course requires an accepted completion of both the learning assignment and homework.

Teacher's reception (TR)

- Teacher's reception
 - is realized as a Zoom meeting (On-line workspace)
 - is open on Thursdays at 10:15 – 12.00* (see: Timetable)
 - is mainly dedicated to instructing and debriefing homework
- Teacher's receptions will be recorded and published in MyCourses.
- Passcode for the Zoom meeting (MyCourses): 348564

* Teacher's receptions are open as long as needed. However, they will close no later than at 12.00.

Date	Activity / topic	Release	Debriefing
15.9.	TR1 / Intro, Energy calculation	HW1, LA	
29.9.	TR2 / Energy calculation	HW2	HW1
13.10.	TR3 / Cost calculation	HW3	HW2
27.10.	TR4 / Optimization	HW4	HW3
10.11.	TR5 / Optimization	HW5	HW4
24.11.	TR6 / Debriefing		HW5, LA

- MyCourses portal (mycourses.aalto.fi) → Remember to enroll!
- Course material:
 - Lecture slides (3 sets)
 - Booklets (3 documents)
 - Journal papers (4 documents)
- Basic terminology is written in underlined italics, recommendations for extra self-learning in blue font and explanations in red font.