

Course Evaluation Meeting EI2452 – 15th June 2021

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Original course analysis disappeared due to ict-failures. But this document sums it up fairly good.

Participants:

- Teachers: Patrik, Per, Ebrahim, Sylvie, Kateryna, Sanja

Notes: Sanja (Patrik proofing)

Throughput: 100% of all MSc students

Student's input from questionnaires:

- Enjoyed the course very much
- Liked computer lab (the report form is great, the amount time required is appropriate)
- Part 1 has too many clustered deadlines (project proposal and written exam, mentions computer lab, but that deadline was a week later)
- Exams were fair
- Tasks 4 and 5 (lifetime analysis and Monte Carlo simulations) seemed hard; the book (or provided literature) wasn't covering these tasks; for task 4 method seemed arbitrary and task 5 c) was a bit misinterpreted.
- Pre-recorded lectures are a very good thing
- In general, happy with the project work and feels that the load was distributed equally among group members; however, due to technical reasons (online meetings, cooperation), 3 persons might seem too much for the project
- The course can be very good for students with electrical engineering background
- Knowledge about statistics that student poses seemed enough for the course

Specific input from one student:

- **What was good** – Many things were good about this course such as the structure of course, support we get from all the teachers throughout the course, the literature material, the project work which is more realistic rather than hypothetical.
- **Scope of improvement** – Personally, if there were more online sessions, rather than just recorded lectures, it would be better.
- Overall the courses I have done at KTH, my impression is this is one of the best course which I can recommend to other students.

Teacher notes:

- Discussion about upgrading the course: basically part 1 would be the same, and afterwards the course could branch out to different segments (power system, electronics...)
- Tackling sustainability issues
- Including more teachers/project leaders from different departments
- Inform on where MC info can be found.
- Since the current version of the course is more compact than the version from 5 years ago (less guest lectures), there is still a lot of room for upgrading the course with additional material/project work/lectures

Notes from student questionnaires (2 conducted during the course)

Actions for next year

- *Check schedule, basically distribution of lectures (above it might seem like a discrepancy on workload, but it seems to relate to the timing of lectures).*
- *IT-support: We need more storage for videos/online content. We need remote access, tested.*
- *Check course-PM so that it is clear with respect to what is happening when (lecture/exercise).*