

## Teaching CV for Flemming Nissen

### Syddansk Universitet

Flemming Nissen

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SDU Center for Energy Informatics

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### Pedagogical philosophy

- It is important that students learn some fundamental methods and tools within mathematics, physics, thermodynamics, IT and modelling so that they do not “only” become some generalists
- I am of the belief that students learn best by working with the material themselves, and by putting their knowledge into a context where it creates a new experience in them
- I want to contribute to help bring more experiences from the work of engineering in the energy sector into the education in order to make the students realize the value of the theories and tools that they are to learn
- I want to use my network to help create closer collaboration between SDU and the energy companies – guest lectures – student projects – research projects

Teaching goals: I want to get better at involving students in my lectures, as I tend to talk too much.

### Teaching experience

- Training of employees in the energy sector (SDUE, Insero og Strategirummet)
- Courses on 1st, 2nd, 3rd and 4th semester in the Energy Technology program at SDU
- I have given many presentations on both Danish and foreign energy conferences

### Teaching methods

- Lectures – where I include my own experiences in the perspective of the material
- Ongoing questions to keep students focused

### Educational development

- Participation in the accreditation of the Energy Technology program at SDU
- Development of continuing education courses for employees in the energy sector

### Teaching materials

- Notes for teaching in the electric market on 2nd semester energy technology
- Development of the Energy-Together platform which contains teaching material within energy balances, energy accountancy, electric markets and the organization of the energy sector

### Tests and examinations

- Oral examination of 1st, 2nd, 3rd, and 4th semester students in energy technology at SDU

### Evaluation

- I get very good evaluations of my continuing education courses. I can send the documentation of this, if desired
- I tend to get pretty good evaluations of the SDU courses in energy technology. However, there are always a few who do not like my teaching methods

### Formal pedagogical education as well as project cooperation

- I do not have a formal pedagogical education
- I have participated in several mediation and coaching courses while I was employed at Elsam and Dong Energy