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Educational CV

Fundamental Pedagogical view:

In my view, the definition of a good learning process depends heavily on the target group. In the case of the Technical Faculty at the University of Southern Denmark the primary student groups is engineering students. As a result, our main objective is to teach our students skills that can be directly applied may that be in industry or in research environments. It is my fundamental view that no technique can be applied correctly and consistently without having proper understanding of the underlying principles. Consequently, I always focus my teaching on in not theoretical basis, but also where possible directly relates theoretical subjects directly to practical applications.

Previous Teaching and Supervision Experience:

M.Sc. Level:

2017 – pres. Molecular Spectroscopy – a 5 ECTS course at the Department of Chemical Engineering, Bio- and Environmental Technology, University of Southern Denmark, Denmark

2015 – 2016 Technical Spectroscopy – a 10 ECTS course at the Department of Chemical Engineering, Bio- and Environmental Technology, University of Southern Denmark, Denmark (main lecturer/responsible lecturer)

2016 Molecules and Radiation – a 10 ECTS course at the Department of Chemical Engineering, Bio- and Environmental Technology, University of Southern Denmark, Denmark

B.Sc. Level:

2015 – pres. 5 ECTS Quantum Mechanics – a 5 ECTS course at the Department of Chemical Engineering, Bio- and Environmental Technology, University of Southern Denmark, Denmark

2018- 5 ECTS Technical Spectroscopy – a 5 ECTS course at the Department of Chemical Engineering, Bio- and Environmental Technology, University of Southern Denmark, Denmark

Formal Pedagogical Education:

2015 Lecturer Training Program, University of Southern Denmark

Individual courses taken:

- Supervision – roles and relations 3/4 ECTS
- Activate students using message boards, blogs and wiki's 1/2 ECTS
- Oral Examination 1/2 ECTS
- The good course plan in Blackboard/e-learn.sdu.dk 1/2 ECTS

The program included an eLearning project that focused on the use of wiki's to be used as a collaborative platform of four defined projects in quantum mechanics.

Pedagogical functions

2016 – pres. Member of the Education Committee for the B.Eng, B.Sc. and M.Sc. in Chemical Engineering, Department of Chemical Engineering, Bio- and Environmental Technology (KBM), University of Southern Denmark

2014 – pres. Member of the Education Committee for the B.Sc. and M.Sc in Physics and Technology, The Mads Clausen Institute (MCI), University of Southern Denmark