

Teaching Portfolio

University of Southern Denmark

Switch mode converters (10 ECTS master course at University of Southern Denmark) SS19

Semester Project 1 (15 ECTS, bachelor course at University of Southern Denmark) FS18

Electronics 1 (12 lectures á 4 hours including exercises, bachelor course at University of Southern Denmark) FS18

Introduction to Power Electronics (6 lectures á 4 hours including exercises, master course at University of Southern Denmark) SS18

Technical University of Denmark (DTU)

Power Semiconductors and Modules SS16

Teaching at Christian Albrechts University (CAU)

15 Lecture courses at University Kiel "Photovoltaic energy systems" WS11/12 WS12/13 as a guest lecture

15 exercises in Power Electronics I WS07/08 WS08/09 WS09/10

15 exercises in Power Electronics II SS08 SS09 SS10

15 exercises Energy applications SS07

3 Basic lab exercises in general electronics (180 min) SS07 WS07/08

2 lab exercises in power electronics (150 min) SS07 WS07/08 SS08 WS08/09 SS09 WS09/10 SS10

3 lectures Power semiconductors and their applications SS08 SS09 SS10

University of Applied Science Kiel

3 lectures Power electronic generator system for wind turbines at the university of applied science (120 min) WS09/10 WS10/11

Supervision of students Edit Artefact: No Artefacts. If there are no artefacts, this area will not appear in the portfolio.

University of Southern Denmark (SDU)

1 PhD Student (on going)

2 Master theses with Linak and Siemens Gamesa (on going)

2 Industrial Co-supervision PhD students within IEPE Project

Aalborg University (AAU)

2 Industrial Co-supervision PhD students within IEPE and CORPE Project

Technical University of Denmark (DTU)

Industrial Co-supervision PhD students within IEPE Project

Christian Albrechts University (CAU)

Supervision of Bachelor and Master students (12 Thesis between SS07 and WS10/11)

Experience on course or curriculum design Edit Artefact: No Artefacts. If there are no artefacts, this area will not appear in the portfolio. **Curriculum design**Leading role in designing the new Bachelor of Science program in electrical engineering in Sonderborg

Leading role in designing the new Bachelor of Engineering program in electrical engineering in Sonderborg

Leading role in designing the new master program in electrical engineering in Sonderborg (not completed)

Course Design

Semester Project 1 (15 ECTS, bachelor course at University of Southern Denmark)

Electronics 1 (12 lectures á 4 hours including exercises, bachelor course at University of Southern Denmark)

Introduction to Power Electronics (6 lectures á 4 hours including exercises, master course at University of Southern Denmark)

Photovoltaic energy systems (15 lectures á 3 hours including exercises, master course at Christian Albrechts University Kiel)

Study administrative tasks Edit Artefact: No Artefacts. If there are no artefacts, this area will not appear in the portfolio.

SDU

Semester Coordinator for 1st Semester bachelor students (First run)

Formula Student Coordinator

Formal and informal teacher training Edit Artefact: No Artefacts. If there are no artefacts, this area will not appear in the portfolio. **SDU**

Lecturer Training Program (UP & LTP 2018 - Winter)

Interactive Lecturing

Research Based Teaching Winter 2018

Students as Learners Winter 2018

Student response systems, spring 18

Developing and Updating Courses

Setting up your course in Blackboard - an online course

CUU - Active Teaching and Learning using Flipped Learning - F201