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Pedagogical Philosophy

My current teaching philosophy has been crafted by experiences of performing formal teaching and student advisors/consultancy/supervision duties in SDU. I deeply believe that good teaching skill is not concerned only with transferring the “theory” knowledge to the students, but also about presenting “technical” and “practical” examples to the students. My initial teaching philosophy is to introduce practical software to students, then, students will be able to learn the course concepts in a more understandable environment. Moreover, it can improve their skill for future careers. Therefore, it would be also a reason for me to improve my skills in some useful software, for example, PowerFactory DlgSILENT to prepare more practical examples for students.

I found out that the establishment of a proper working atmosphere is especially important in university environments by combining the Problem-based learning (PBL) and Project-based learning (PrBL) approaches. Thus, due to the high complexity of problems in my research field, I prefer to use the PrBL method for the teaching of more complex issues in my class to improve the decision-making and problem-solving skills of students. Therefore, after presenting the theory, of course, I ask students to discuss the presented topic in a group and try to understand/solve the problem by a practical example in simulation software. This approach can help students to learn the topic by three different methods one class, by the teacher, other students, and simulation-based examples

Teaching Experience

2022 – now Power System Modelling and Analysis, 3rd semester, 5 ECTS
2022 – now Projektering og analyse af elforsyningssystemer, 3rd semester, 10 ECTS
2022 – now Elektromagnetisme og elforsyning, 3rd semester, 5 ECTS
2022 – now Højspændingsanlæg og vindmøllesyste, 4th semester, 7 ECTS

Thesis Supervision

2023- Energy Management Scheme for Optimizing Multiple Smart Homes Equipped with Electric Vehicles, Master project
2022- The removal of unwanted distortion and reflections in traveling wave measurements for array and export cables, Bachelor project
2022- Impact of fast charging stations on system voltage stability, Bachelor project

Pedagogical qualifications

I Followed the Lecturer Training Program (LTP) given by University of Southern Denmark in 2023 - 2024.