

Teaching Portfolio

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Pedagogical view

Teaching philosophy

When teaching engineering students, it is important to keep in mind that the engineering discipline is a very diverse profession.

Academic skills, creativity and leadership/collaboration are all required competences for future engineers. This should be projected on to the teaching. Naturally, the academic skills are easily prioritized at the university. But how is creativity and personal leadership/collaboration facilitated?

For me as teacher it is important to activate the knowledge the students get from the teaching. This can be done through exemplars of the actual use of the theories being taught. Performing experiments in class is another way of creating strong teaching impacts on students.

Personally I believe that creativity is subject to misunderstanding – both at the university and in the industry. Creativity is not necessarily a “soft” discipline that you either possess or not. It is a discipline that develops when people are allowed to work in detail with their own ideas. When teaching it is important to give room for the students to work with their own ideas and allow them to explain in detail their proposed solutions to problems. When supervising projects the challenge is very often to reduce the scope of the work allowing also focus on details that are essential to the “finished product”. When succeeding, a complex interaction between creativity and academic skills is taking place and borderlines between the two seem irrelevant.

As a supervisor my focus is on improving the quality of the project rather than to control the process of getting the job done. I see myself very much as consultant students can use for specific areas identified by themselves. I expect students to take responsibility and make decisions on their own hence develop their skills in leadership and collaboration.

Teaching experience

2016-	Mechanical Engineering for Robotics Robot Technology, 8th semester (Course is taught in English)
2014-	Computer Aided Design. Mechanical Engineering, 1st semester
2014-	Computer Aided Simulation Mechanical Engineering, 5th semester (Course is taught in English)
2014-	Mechanics of Materials Mechanical Engineering, 2nd semester

Supervision experience

2015-	Bachelor Project Mechanical Engineering, 7th semester
2015-	Bachelor Project Integrated Design, 7th semester
2014-	Mechanical Design Project Mechanical Engineering, 4th semester
2014-	Expert in Teams Technical Faculty 5th semester

Formal pedagogical training

2016	Lecturer Train program (LTP), University of Southern Denmark
2016	CUU Course, Helping students understand assessment, University of Southern Denmark
2016	CUU Course, Teaching and learning with social media, University of Southern Denmark
2016	CUU Course, Teaching portfolio, University of Southern Denmark

Other activities related to teaching and teaching development

Pedagogical Development Projects

2015	E-learning project – “Learning Computer Aided Design using Video Tutorials”
2015	Flipped Class Room using Video Tutorials and Polls