

Teaching portfolio

1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

I have experience with problem based learning supervision on the first semesters of the Bachelor education, and all semesters on the Master education at the Department of Electronic Systems. Since year 2000, I have supervised more than 100 projects according to the Problem Based Learning concept at Aalborg University. I have supervised visiting students from institutions in Spain and France, but also students from Africa, Pakistan, India, Italy, Libanon, Iran, and yes, many Danish students. While my teaching experience is mainly from Aalborg University, I have supervised final student projects twice also at a technical engineering school (Århus teknikum). Furthermore, I have acted as a mentor for students on company internships in connection with my previous job position and in my position as supervisor at Aalborg University, and act as external censor with other Danish institutions.

At the bachelor education, I'm teaching engineering mathematics for engineering students, and have done so for the past five years. On the masters education, my teaching experience is within the field of wireless communications. I have been teaching mainly on wireless propagation modeling, radio resource management, and wireless technology in general. I have been teaching various courses on Master level for the past 15 years, including also courses at the PhD level.

On both Bachelor and Master level, I have preferred the classical class room lecturing, followed by exercise sessions. I value the use of exercises to digest the theory, and often emphasize practical application/measurement results as part of lecturing.

At the PhD level, I have supervised 14 PhD students as main supervisor, and been involved as co-supervisor in many other PhD projects. All PhD projects have been within the area of wireless communications. On many occasions (24 as of 2024), I have acted as internal opponent in connection with PhD defences, and several times with universities in the Nordic region. I have also twice been part of external supervision committees at the University of Namur, Belgium.

2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

I'm well acquainted with the organisation and procedures at the department level at Aalborg University through my 10 years of experience from participation in the distribution and planning of the department teaching activities (2003 - 2013), 5 years on the department Advisory Committee (2013 - 2018), and now more than four years in the department Study Board. On a more practical level, I'm also acting as semester and educational coordinator at the Master level.

Being one of few seniors in a research group counting 30+ researchers (professors, associate professors, research assistants, post docs and Ph.D. students), I naturally serve in many administrative matters related to students (evaluation for enrolment, contact for support, etc.).

I have served on the evaluation panel of the KEA academy professional education in Copenhagen in 2016 and the Electronics Engineering Bachelor at Aarhus University in 2023, and prior to that I served twice in views and estimates at the Danish court. On several occasions I have been involved in Public Sector Consultancy.

3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc.

I have attended and completed university pedagogy (University Pedagogy for Assistant Professors – Aalborg University, 2005-2007) under the pedagogical supervision of Professor Anette Kolmos and technical supervision of Associate Professor Ove Andersen, both Aalborg University.

Specifically on the Problem Based Learning (PBL) concept of Aalborg University I have attended the introductory course for new employees (Problem Based Learning – Aalborg University, 2002).

I have supervised four colleagues in connection with their university pedagogy education in the period 2014 to 2018.

4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.

Over the years I have attended a number of courses with relevance to my teaching qualifications. These include skill development courses (Præsentationsteknik - Jydsk Telefon, 1992; Project Management – TeleDanmark, 1995), personal development courses (Team Development – Nokia, 2001, 2004, and 2005), and a communication course (Story Telling

Course - Aspects Ltd 2012).

I have attended three seminars at Aalborg University, one organised by Dansk Universitetspædagogisk Netværk (DUN), May 31 - June 1 2007 on "Gode studie- og læringsmiljøer og effektiviseringer - kan de to ting forenes?" and the Annual Pedagogic Education Seminar (for AAU teachers) on several occasions.

Related to research management, I have participated in and completed the course on Research Management, organised by Copenhagen Business School (CBS-SIMI), and which included a total of 9 intensive course days during May – August – November 2012.

5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.

I have been part of preparing teaching material for four PhD courses within wireless communication (Radio Resource Management PhD course 2013, 2014, 2016 and 2018).

In connection with courses for industry I have prepared course material for two courses, as well as being part of preparing material for short lifelong learning courses conducted at a regular annual or biennial basis.

Recently, I have chaired the revision of one of the new Master programmes at the Department of Electronic Systems, the education for which I'm currently the education coordinator.

6. Teaching awards you may have received or been nominated for.

Type your answer here...

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.

Type your answer here...

8. Any other information or comments.