

Teaching portfolio

1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.

Full courses - responsible for all lectures:

Medialogy, 01 BSc: Basic programming. 14 lectures with group based exercises and two miniprojects. Taught in Danish. 2019-2020.

Medialogy, 03 BSc: Image processing (basic computer vision). 12 lectures with group based exercises and a miniproject. Taught in Danish. 2019-today.

Robotics, 03 BSc: Robot sensing and perception. 12 lectures with group based exercises and a miniproject. Taught in Danish. 2022-today.

Robotics, 04 BSc: Robot perception. 12 lectures with group based exercises and a miniproject. Taught in Danish. 2022.

Vision, Graphics and Interactive Systems, 08 MSc: Image Processing and Computer Vision. 10 lecture with group based exercises and a miniproject. Taught in English. 2019-2021. Taught remotely during Covid.

Partial courses:

Medialogi, 01 BSc: Introduction to Creative Digital Development. Responsible for basic programming parts of the course, 11 of 22 lectures with group based exercises and two miniprojects. Taught in Danish. 2021-today.

AI, Vision and Sound, 01 MSc: Perception and Acquisition of Data. Course coordinator and responsible for 4 of 12 lectures with group based exercises. Taught in English. 2022-today.

VGIS/Mechanical Engineering, 02 MSc: Robot Vision. Responsible for machine vision parts of the course, 7 of 14 lectures. Taught in English. 2020-2022. Taught remotely during Covid.

Supervision and examination:

16 BSc theses (across Medialogy, Information Processing Systems, and Robotics)

8 MSc theses (across VGIS and Robotics)

20+ groups on regular BSc semesters (across Medialogy and Robotics)

10+ groups on regular MSc semesters (across VGIS and Medialogy)

2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.

Semester coordination:

Medialogi, 03 BSc. 2019-today.

Information Processing Systems, 06 BSc. 2022. AI Vision and Sound, 03 MSc. 2023.

3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc

University Pedagogical Programme at Aalborg University, 2020.

AAU certification in English as a medium of instruction to level C1 CEFR

4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.

Participated with a poster at AAU Learning Day 2022

5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.

Responsible for development of the curriculum and study plan for the entire AI Engineering Education (BEng) starting in 2023.

Developed Introduction to Creative Digital Development at Medialogy with Kasper Rodil.

Developed Perception and Acquisition of Data at AI, Vision and Sound with Aleksandra Kasowska and Rodrigo Ordoñez

Built a full catalog of video lectures for computer vision with Rikke Gade and Chris Bahnsen. We cover the full spectrum from absolute beginners to master's level topics.

6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.

Nominated for Medialogy Teacher of the Year 2022

Won the AAU Science Slam 2023 (a competition on making the best 6 minute scientific talk, no slideshow allowed)

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)

I love teaching. Figuring out how to express complex subjects in a simple to understand manner is one of my favorite puzzles to solve - from explaining board game rules to my friends, to competing in AAU Science Slam (and winning), to designing full university level courses, the intellectual challenge is fantastic.

I do my very best to meet the students where they are and often adjust courses as they run in order to give the students the best possible experience.

I am a staunch believer in mini-projects, as I think the only way you really learn is by applying your skills. Designing a good mini-project is an art form, and while I don't always hit, I am very happy with my current 3rd semester image processing mini-project on board game analysis. An important point from this is doing mini-projects in 2-person groups: Being 2 people allows for good discussion and brainstorming, while ensuring that nobody can "hide" in a group. This works great and has received very good feedback from students.

I am dedicated to improving my teaching, and apart from soliciting feedback from students as courses progress, I always ask my students to evaluate my teaching in an anonymous questionnaire at the end of a course to collect as much data as possible on my performance.

8. Any other information or comments.

Type your answer here...