

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.

I have lectured and supervised in the topics of hydrodynamics and structural engineering under the Civil Engineering program at AAU at both BSc and MSc levels. My teaching activities are outlined below.

Lecturing:

- "Continuum Mechanics, Three-Dimensional Beam Theory, and Stability", 5th semester course, BSc, Civil Engineering, AAU (2024).
- "Renewable Energy Structures: Wind Turbines and Wave Energy Devices", 3rd semester course, MSc, Civil Engineering, AAU (annually since 2022).
- "OpenFOAM Days", voluntary student activity for BSc and MSc engineering students, AAU (2022).

Supervision:

- "High Fidelity Numerical Modelling of a Partly Submerged Sphere", long MSc thesis (45 ECTS), Civil Engineering, AAU (2023).
- "Design and Foundation of a 3D Steel Structure", 5th semester project, BSc, Civil Engineering, AAU (2023).
- "Effects of Permeability of Rubble Mound Breakwaters on Overtopping Discharge", 9th semester project, MSc, Civil Engineering, AAU (2022).
- 1st and/or 2nd semester projects, BSc, Civil Engineering, AAU (2020, 2021, 2023).

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.

Type your answer here...

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

Type your answer here...

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.

Type your answer here...

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.

Type your answer here...

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

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 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)

Type your answer here...

8. Any other information or comments.

Type your answer here...