

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.

Teaching Responsibilities

I am responsible for the development of content and the teaching of the following master's level lectures in English:

- 4 lectures, including practical exercises in IT System Development for Indoor Environmental and Energy Engineering MSc and Construction Management and Building Informatics MSc students, focusing on visual programming using DYNAMO in REVIT. Additionally, the combination of visual and text-based programming in Python, including the connection to PostgreSQL databases. Covered both theoretical principles, such as the out-of-the-loop performance problem, and practical applications through dedicated exercises.
- 4 lectures, including practical exercises in Modelling and Design Optimisation by Sensitivity Analysis and Uncertainty Analysis for Indoor Environmental and Energy Engineering MSc and Building Energy Design MSc students focusing on uncertainty and sensitivity analysis, as well as meta/surrogate modelling in a Monte Carlo-based framework. Both theoretical concepts and foundations of these concepts as well as application in the building sector were covered.

Examination Responsibilities

I serve as an examiner for the aforementioned courses, overseeing oral exams in:

- IT System Development
- Modelling and Design Optimisation by Sensitivity Analysis and Uncertainty Analysis

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.

Conference Attendance

Participated in several international conferences, including:

- European Conference of Computing in Construction
- Smart Energy Systems Conference
- CISBAT Conference

Professional Meetings

• Attended working meetings for the IEA EBC Annex 84 Participation, contributing to international collaboration and research initiatives.

Supervision of Undergraduate Researchers

• Supervised visiting international undergraduate researchers (master's level), providing guidance and mentorship in research projects.

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...