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.

2016 – current: Aalborg University Copenhagen, Denmark

Algorithms
Fall 2022 - 3rd semester bachelor's in Cyber and Computer Engineering, AAU.
Course responsible – I designed the course from scratch for the new bachelor education.

Internetwork Programming
Spring 2021, 2022 - 2nd semester bachelor's in Software, Department of Computer Science, AAU.
Course co-responsible, covering 8/12 modules– We co-designed the course from scratch.

Computer Networks
Spring 2021, 2022 - 2nd semester bachelor's in Cyber and Computer Engineering, AAU.
Course co-responsible, covering 4/12 modules– We co-designed the course from scratch.

Computer Architecture and Operating Systems (CAOS)
Spring 2021 - 4th semester bachelor's in Software, Department of Computer Science, AAU.
Course co-responsible, covering3/12 modules – We co-designed the course from scratch.

Security in IoT and Cloud Architectures
Fall 2020, 2021 - 1st semester master's in Cybersecurity, AAU.
Course responsible – I designed the course from scratch for the new master education.

Distributed Systems
Fall 2019 - 3rd semester bachelor ITCOM, AAU.
Course responsible.

Internet of Things (IoT)
Spring 2020 - 6th semester bachelor ITCOM, AAU.
Partial involvement, 3/10 modules.

Object Oriented Programming II
Spring 2017, 2018, 2019 - 2nd semester bachelor ITCOM, AAU.
Course responsible – I designed the course from scratch.

Object Oriented Programming I
Fall 2016, 2017, 2018, 2019 - 1st semester bachelor ITCOM, AAU.
Course responsible – I designed the course from scratch.

Cloud Computing
Fall 2017, 2018, 2019, 2020 - Provided guest lecture at the master ICTE, AAU.

Databases
Fall 2017, 2018 - Provided guest lecture atthe master ICTE, AAU.

2015 – 2016: Hong University of Science and Technology (HKUST), Hong Kong

Computer Architecture
Fall 2015 - 2nd semester bachelor's in computer science, HKUST.
Substituted the main teacher for several lectures.

Computer Networks
Spring 2016 - 3rd semester bachelor's in computer science, HKUST.
Substituted the main teacher for several lectures.

2012 – 2014: Sapienza University of Rome, Italy

Computer Science for Statistics
Fall 2013 - 2nd semester bachelor's in Statistics, Sapienza University, Italy.
Teaching Assistant, Python, approx. 70 students.

Computer Organization and Design
Spring 2012 - 3rd semester bachelor's in computer science, Sapienza University, Italy.
Teaching Assistant, approx. 100 students.

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.

2020 – 2021
Core member for the revision of the ICTE master, AAU, Denmark
Contributed to the transformation of the ICTE master into a more technical education, namely the new master's in computer engineering planned to be opened soon after the revision took place. However, the process has been put in pause because of recent reform in education by the Ministry concerning the relocation of students in smaller cities.

2019 – 2020
Group member for the creation of the new bachelor in Cyber and Computer Engineering, AAU, Denmark
Contributed with defining multiple courses and semester projects for the new bachelor that started in 2021. So far, I have designed from scratch and delivered two courses in the education.

2019 – 2020
Core member for creation of the CMI IoT and Security Lab, AAU, Denmark
Contributed actively with ideas and suggestions about necessary equipment for research and teaching.

2018 – 2019
Contributed to the design of the master in Cybersecurity, AAU, Denmark Contributed with defining, developing, and running one course of 5 ECTS and one semester project of 10 ECTS for the master in Cybersecurity that started in 2020.

2017 – 2018
Group member for the revision of the ITCOM bachelor, AAU, Denmark
Briefly after I joined AAU in 2016, I raised the matter that some courses within the education needed to be updated or moved in other semesters. As such, I took an active role into redefining the order and content of some of the courses and therefore also of the semester projects.

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

2022: Course on Leadership and Research Management
In 2022, I completed a course on Leadership skills, which at this moment is highly relevant considering that I am involved in the management and scientific aspects of several newly funded projects. Being able to identify issues or challenges early and relating to those with the concepts discussed in the course is a helpful tool to have in hands.

2021: Course on PhD supervision
In 2021, I completed a course on PhD supervision, which helped me create a structured methodology for managing the doctorate students and provide a high-quality supervision. I am currently applying the lessons learned when approaching the 3 PhD students I supervise and the 2 that I co-supervise.

2019: University Pedagogy for Assistant Professors, Aalborg University, Denmark
Pedagogical training is an important element not only for becoming a good teacher but also for understanding how to improve educations and make them attractive to students. During this course, I have attended several seminars on these topics, which I concluded with a final report evaluated with Very Satisfactory.

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.

Since I joined AAU in 2016, I have designed from scratch and delivered several full or partial courses, as listed here:
-Object Oriented Programming I / II (1st and 2nd semester bachelor)
-IoT and Cloud Security (1st semester master)
-Algorithms (3rd semester bachelor)
-Computer Networks (3rd semester bachelor – 4/12 modules)

-Internetwork Programming (3rd semester bachelor – 8/12 modules)
-Computer Architecture and Op. Systems (4th sem. bachelor – 3/10 modules)

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...