

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.

Courses Level Title Course evaluation Extent When BSc. Inorganic and Physical Chemistry Written 5 ECTS (100%) 2018-2007 BSc. Environmental Chemistry and Geochemistry Oral 5 ECTS (50%) 2010-2009 BSc. Technology and Ecology Oral 7.5 ECTS (50 - 100%) 2018-2012 MSc. Water Treatment Oral 5 ECTS (50%) 2020-2012 MSc. Physical chemistry of materials – Electrochemistry Written 5 ECTS (50%) 2019-2011 BSc. General Chemistry Written 5 ECTS (100%) 2019 – current BSc. Inorganic Chemistry Written 2.5 ECTS (100%) 2019 - current BSc. Separation processes and Thermodynamics Written 5 ECTS (2 lectures) 2017 - current MSc. Advanced Redox and Separation Processes Oral 5 ECTS (100%) 2021 – current MSc. Environmental Chemistry Oral 3.75 ECTS (50%) 2021 - 2019 MSc. Introduction to Environmental and Pollution Science Oral 3.75 ECTS (50%) 2022 – current MSc. Recovery and Purification of Biological Products Oral 5 ECTS (1 lecture) 2020 - current PhD. Summerschool in Advanced oxidation processes Lectures 2018 Student semester projects Overview from 2007 to current (jan. 2023) Type Supervised projects Evaluation form BSc. Chemistry and Biotechnology Semester project (15 ECTS) 136 Joint presentation, individual/joint project defense BSc. Thesis (15 ECTS) 17 Joint presentation, individual project defense Diploma Thesis (15 ECTS) 11 Joint presentation, individual project defense Internships 5 MSc. Chemical Engineering / Oil and Gas Technology Semester project (15 ECTS) 27 Joint presentation, joint project defense Thesis (30 ECTS) 15 Individual project defense BSc. Environmental and Resource Management Semester project (7.5 ECTS) 9 Individual project defense MSc. Environmental and Resource Management Thesis (30 ECTS) 16 Individual project defense MSc. in Environmental Technology and Management Semester project (8 ECTS) 1 Individual project defense Total 237 Censoring I have been examiner and censor in all of the courses above and examiner and censor on even more student projects than showed above. I have chaired three internal PhD assessment committee's and been opponent in 5 external committees. External censoring tasks: Censoring af diplomspeciale på SDU, 16 jun. 2022 PhD defense of Guan Wang, DTU Environment, 8 mar. 2022 Member of assessment committee of PhD defense at DTU Chemical Engineering, 28 okt. 2021 Censor of MSc Environmental Engineering at DTU Environment, 20 jul. 2021 Opponent at PhD defence - Modelling of Dynamic Microfiltration for Application in Biotechnology, 30 jun. 2020 Censor på Laborantuddannelsen på CPH-Business Laborantskolen Nordsjælland, 17 jan. 2020 → 18 jan. 2020 Censor på Laborantuddannelsen på UC Lillebælt, 10 jan. 2020 Censor på Laborantuddannelsen, UC Syd, 23 jan. 2019 PhD assessment committee and defense - Århus University, 26 apr. 2018

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.

Semester coordination Duty Task When Semester coordination (BSc. Chemical Engineering and Biotechnology 1st to 4th sem.) Semester planning and formative and summative evaluation 2015-2010 Campus coordination (First Study Year AAU campus Esbjerg) Planning of joint activities, semester startup etc., semester evaluation. 2013-2011 Semester coordination (BSc. Chemical Engineering and Biotechnology 1st to 2th sem.) Semester planning and formative and summative evaluation 2021-2015 Semester coordination (MSc. Chemical Engineering 3rd and 4th sem.) Semester planning and formative and summative evaluation current-2018 Multiple revisions of study curricula for BSc Chemical Engineering and Biotechnology and MSc in Chemical Engineering Developing, designing etc. and start up of MSc program in Bioengineering (2018 and forward). I have participated in accreditation work related to BSc Chemical Engineering and Biotechnology programme, the Diploma programme and the Chemical Engineering master programme.

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

AAU Adjunktpædagogikum / University Pedagogical course passed in 2014.

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

Yearly attendance of AAU Learning Day

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.

Development of course structure, materials etc. for all courses in Headline 1.

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

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.

8. Any other information or comments.