

## Undervisningsportfolio

### 1. Undervisnings-CV: Oversigt over undervisnings- og vejledningsopgaver med angivelse af fagområder, omfang, niveau (BA, kandidat, EVU, Ph.d) samt evt. censoropgaver.

Courses Ecosystem modelling, 2 out of 5 ECTS (4 lectures of 2 hours and 3 theoretical exercises of 2 hours for 7th semester students in biology and environmental science), Department of Chemistry and Biosciences, Aalborg University 2022 Advanced kinetics and modelling of bioprocesses, 3 out of 5 ECTS (8 lectures of 2 hours and 8 theoretical exercises of 2 hours for 8th semester students in sustainable biotechnology), Department of Chemistry and Biosciences, Aalborg University 2020-2022 Basic Biology, 1 out of 5 ECTS (3 lectures of 2 hours and 3 theoretical exercises of 2 hours for 1st semester students in biology, biotechnology, environmental science, chemistry and chemical engineering), Department of Chemistry and Biosciences, Aalborg University 2013, 2014, 2015 Danish Biotopes, 5 ECTS, Excursions and workshops, Department of Chemistry and Biosciences, Aalborg University 2012-2014 Botany and Plant Physiology, 1 out of 5 ECTS (3 lectures of 2 hours for 5th semester students in biology), Department of Chemistry and Biosciences, Aalborg University 2011-2014, 2018 Industrial Microbiology and food chemistry, 2 out of 5 ECTS (5 lectures of 2 hours for 5th semester students in biotechnology), Department of Biotechnology, Chemistry and Environmental Engineering, Aalborg University, 2011 Pro and eukaryote expression systems, 1 ECTS (5 lectures of 2 hours for 5th semester students in biotechnology), Department of Biotechnology, Chemistry and Environmental Engineering, Aalborg University, 2007-2010 Reaction and Process Modelling, 5 ECTS (12-15 lectures of 2 hours and 15 theoretical exercises of 2 hours for 5th semester students in biotechnology and chemistry). Department of Chemistry and Biosciences, Aalborg University 2004-2022 Bioreactors, 2 ECTS (5-day laboratory exercise course for 5th semester students in biotechnology, chemistry, and environmental engineering). Department of Biotechnology, Chemistry and Environmental Engineering, Aalborg University 1999-2010 Advanced Reactor Design and Dynamics (5 lectures of 2 hours and 5 theoretical exercises of 2 hours for 8th semester students in biotechnology). Institute of Life Sciences, Aalborg University 2000-2005 Reaction Engineering (10 lectures of 2 hours and 10 theoretical exercises of 2 hours for 5th semester students in biotechnology, chemistry, and environmental engineering). Institute of Life Sciences, Aalborg University 1999-2003 Technical Chemistry and Chemical Reactions (12 lectures of 4 hours for 1st year students in biotechnology, chemistry, and environmental engineering). Department of Civil Engineering, Aalborg University 1999 Technical Microbiology (15 lectures of 2 hours for 3rd-4th year students in biotechnology). Institute of Biochemistry, Odense University 1996-1997 Biochemistry A (5 obligatory laboratory exercises of 4 hours for 2nd year students in medicine and in biology/cell biology). Institute of Biochemistry, Odense University 1993-1995 Project supervision Foreign guest students at MSc/PhD/PostDoc-level: 8 PhD projects: 2 MSc projects: 28 Student projects, 2. sem MSc: 15 Diplomingeniør-projekter, 7. Sem BSc: 14 BSc projects, 6. sem BSc: 8 Student projects, 5. sem BSc: 63 Student projects, 4. sem BSc: 7 Student projects, 3. sem BSc: 2 Student projects, 2. sem BSc: 20 Student projects, 1. sem BSc: 4

### 2. Studieadministration: Oversigt over studieadministrative opgaver, eksempelvis medlem af studienævn, studieleder, semesterkoordinator, fagkoordinator, akkreditering m.v.

Management Vicehead of Department of Chemistry and Bioscience, 2019 - present Head of Studies, Department of Chemistry and Bioscience, 2019 - present Study board Chairman for the Studyboard for Chemistry, Biotechnology, and Environmental Engineering, 2011-2020 Member of the Studyboard for Chemistry, Biotechnology, and Environmental Engineering, 204-2011 Coordination International coordinator of the programs in Biotechnology and Medical Biotechnology, 2006-2015 Committees Coordination committee Faculty of Engineering and Science, 2019-present Coordination committee School of Engineering and Science, 2011-2019 Semester coordination 5. sem BSc Chemistry, Chemical Engineering, Biotechnology, Environmental Science, 2000-2021 2. sem MSc Biology, 2012-2015 3.-4. sem MSc Biology, 2013-2015 5. sem BSc Biology, 2011-2012

### 3. Universitetspædagogiske kvalifikationsforløb: Oversigt over gennemførte universitetspædagogiske kursusforløb, PBL-kurser, workshops, udviklingsprojekter, kollegial supervision o.l.

Universitetspædagogik for adjunkter, Aalborg University 1999-2001 Studielederkursus, University of Southern Denmark, 2013-2014

### 4. Anden form for kvalificering: Konferencedeltagelse, debatindlæg, oplæg m.v. i relation til uddannelse, "Undervisningens dag", o.l.

Skriv dit svar her...

### 5. Undervisningsudviklingsforløb og undervisningsmateriale: Oversigt over medvirken til udvikling af nye moduler, undervisningsmateriale, uddannelser, e-learning, samarbejde med eksterne samarbejdspartnere o.l.

Development and revision of educational programs. Numerous revisions of the curricula for the BSc and MSc programs in Chemistry, Chemical Engineering, Chemistry and biotechnology, Biotechnology, Bioengineering, Sustainable Biotechnology, Biology, Environmental science, and Oil and gas technology, 2005-2022. Larger development projects and applications Development of specialization in Environmental Processes, MSc in Water and Environmental Engineering, Department of the Build Environment, 2022 Coordinator for the development of novel model for teaching and supervision in Problem Based Learning at Faculty of Engineering and Science and the Technical Faculty of IT and Design, Aalborg University, 2019 Coordinator for Aalborg University's application for MSc program in Bioengineering and development of the curriculum, 2018 Member of steering group for joint biology programs at University College Nordjylland and Aalborg University, 2009-2012 (this project never succeeded). Coordinator for Aalborg University's application for BSc and MSc programs in biology and development of the curriculum 2007 Development and start-up of new courses (often in collaboration with colleagues) Ecosystem modelling, 5 ECTS, Aalborg University 2022 Danish Biotopes, 5 ECTS, Aalborg University 2012-2014 Industrial Microbiology and food chemistry, 5 ECTS, Aalborg University, 2011 Pro and eukaryote expression systems, 1 ECTS Aalborg University, 2007 Reaction and Process Modelling, 5 ECTS, Aalborg University 2004 Advanced Reactor Design and Dynamics, Aalborg University 2000

## **6. Nominering til og/eller modtagelse af undervisningspriser.**

Skriv dit svar her...

## **7. Evt. personlige refleksioner og initiativer: Personlige overvejelser knyttet til undervisning og vejledning, ønsker til og planer for pædagogisk videreudvikling, planer for opfølgning på undervisningsevalueringer m.v.**

Skriv dit svar her...

## **8. Andet.**

Skriv dit svar her...