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Pedagogical view

I wish to: Make the students independent. The students must be able to master the tools and calculate the exercises themselves independently of me as teacher; Deliver knowledge: The students can not figure everything out themselves, they must be provided with the tools to calculate the exercises; This has to happen in an emotionally safe teaching environment: It is important that the students have peace to learn and feel safe so that they will say something which is almost correct or wrong. In this there is often good learning about what the correct answer is.

Formal pedagogical education

Professional post graduate teacher training for university lecturers taken at SDU fall 2016, External supervisor Dorthe Madsen; Course in PhD supervision spring 2018, SDU; Course about supervision strategies, roles and relations spring 2019, SDU.

Courses taught, responsible teacher

Summer 2024: Course responsible for Principles and Applications of PCR Technologies, summer course. Fall 2021 to present: Course responsible for Advanced Biotechnology. Fall 2016 to present and Spring 2016 to present: Course responsible for IFG1 and IFG2, first year mathematics and physics for engineers in chemistry and biotechnology at the technical faculty at SDU. November 2011 and 2012: Founder, lecturer, programme responsible, organizer and fundraiser for the international Ph.D. course Fluorescence and Photonics (BMB825), SDU. The course was sponsored by Nikon. 5 ECTS. Fall 2018: Founder, lecturer, programme responsible, organizer for the cross institutional course in Bioimaging at SDU, AU, DTU and KU. 9 ECTS. Class teaching: January 2017, 2018, 2019: Lecturer in fluorescence and photonics (BM207) for PhD students at SDU. February 2007 – April 2007: Instructor in Physics A (FY501) for first year science students at SDU. February 2004 – April 2004: Instructor in Biology for first year science students at SDU. September 2003 – October 2003: Instructor in Biology for first year science students at SDU. September 2003 – December 2003: Instructor in Physics A (FY01) for first year science students at SDU. February 2003 – April 2003: Instructor in Biology for first year science students at SDU. February 2003 – May 2003: Instructor in Physics A (FY01) for first year science students at SDU. September 2002 – October 2002: Instructor in Biology for first year science students at SDU. September 2002 – December 2002: Instructor in Physics A (FY01) for first year science students at SDU. February 2002 – May 2002: Instructor in Physics A (FY01) for first year science students at SDU. September 2001 – December 2001: Instructor in Physics A (FY01) for first year science students at SDU. February 2001 – May 2001: Instructor in Physics A (FY01) for first year medicine students at SDU. September 2000 – December 2000: Instructor in Physics A (FY01) for first year medicine students at SDU. February 2000 – May 2000: Instructor in Introduction to Physics A (FY01) for first year science students at SDU.

September 1999 – December 1999: Instructor in Introduction to Physics A (FY01) for first year science students at SDU.

February 1999 – May 1999: Instructor in Introduction to Physics A (FY01) for first year science students at SDU.

Laboratory classes: Project supervisor for group 1 (PTE3) September – December 2017 and 2018 at SDU. February 2005 – May 2005: Laboratory course in Molecules, metabolism and cells (MBLG2071/2072) for second year Science students at University of Sydney.

Experiences from pedagogical functions

I have together with the leadership at IGT in 2019 designed a new bachelor and master programme in chemical engineering and biotechnology.

Programme Coordinator for courses

Founder of and programme organizer for the national cross institutional course in bioimaging Spring 2018 which will be held at AU, SDU and KU. Programme organizer for the fluorescence and imaging course BMB207 January 2016 and 2017 at SDU. September 2007 + 2008 – December 2007 + 2008: Coordinator and instructor at the cross institutional PhD course Molecular Biophysics at SDU, AU, Lund, KU and RUC. September 2006- October 2009: Coordinator for the Graduate School for Molecular Biophysics

Other work with pedagogical relevance

I have been part of the bridge building activity in the Fall 2017, this activity is addressed to high school students for who we plan a three-day university experience, lab tours and hands on experiments.