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Formal pedagogical training

- Completed lecturer training programme at SDU (2014), including:
 1. Participation in four days of workshop on university pedagogy.
 2. Completion of 4 courses covering various pedagogical aspects of teaching (2 ECTS).
 3. Development and implementation of an e-learning project.
 4. Development and implementation of a pedagogical development project.
 5. Discussions of my teaching practice with the external and internal supervisor.
 6. Observation of teaching practices and discussions thereof with five colleagues from other departments.
- Participation in the workshop “Nye undervisningsmetoder i matematik” (June 1-2, 2016). Workshop on the ways of teaching mathematics in the future.
- Participation in the course “PhD Supervision — Regulation, Recruitment and Expectations”, (SDU, 2018).
- Assessment of English skills (C2 level) obtained in connection with the ‘Teaching in English at SDU’ certification programme (2014)

Administrative tasks related to teaching

- 2013-present: Responsible for designing several courses, ranging from first year calculus to advanced master's courses.
- 2020-2021: Member of committee for re-designing the BA-programme in mathematics
- 2020-2021: Member of the NAT (SDU) task force investigating freshmen's Mathematical Skills
- 2019 Member of the PhD committee for the dissertation of Vibe Quorning, University of Copenhagen
- 2018: Featured professor in connection with international advertisement of Master's degrees (Master Campaign 2018)
- 2016 - 2021: Outreach coordinator for the mathematics group at IMADA.
Responsible for recruitment of students to SDU's mathematical educations and strengthening of the relationship between the university and the local high schools.
- 2007 - 2008: Member of the PhD study board for the Faculty of Science, University of Copenhagen.
- 2006 - 2008: Member of the PhD committee at the Department of Mathematical Sciences, University of Copenhagen.

Teaching, supervision and exams

TEACHING:

- Linear Algebra (MM505/DM570), Fall 2023
- Group Theory (MM570, 5 ECTS), Spring 2023
- Innovation (MM561, 2 ECTS), Spring 2023
- An introduction to operator algebras (MM819), Fall 2022
- Linear Algebra (MM505/DM561), Fall 2022
- Algebra 2 (MM539, 5 ECTS), Spring 2022
- Innovation (MM561, 2 ECTS), Spring 2022
- Innovation (MM561, 2,5ECTS), Lecturer, Spring 2021
- Algebra 2 (MM539, 5ECTS), Lecturer, Spring 2021 - Calculus (MM555, 5ECTS), Lecturer Fall 2021- An introduction to Operator Algebras (MM819), Fall 2021.
- Innovation (MM561, 2,5ECTS), Lecturer, Spring 2021
- Algebra 2 (MM539, 5ECTS), Lecturer, Spring 2021
- Calculus (MM555, 5ECTS), Lecturer Fall 2020
- An introduction to Operator Algebras (MM819), Fall 2010.
- Advanced Linear Algebra (MM562/MM853, 5ECTS), Spring 2020
- Algebra 2 (MM539, 5ECTS), Lecturer, Spring 2020
- Calculus (MM555, 5ECTS), Lecturer Fall 2019
- Algebra 2 (MM539, 5ECTS), Lecturer, Spring 2019.
- An introduction to Operator Algebras (MM819), Fall 2018.
- Calculus (MM555, 5ECTS), Lecturer, 2018
- von Neumann algebras (MM807, 5ECTS)
- Calculus (MM555, 5 ECTS) Lecturer, 2017
- Algebra 2 (MM539, 5ECTS), Lecturer, 2018.

- Algebra 2 (MM539, 5 ECTS), 2017, Lecturer
 - Algebra 2 (MM539, 5 ECTS), 2017, Lecturer
 - Calculus (MM555, 5 ECTS) Lecturer, 2017.
 - Algebra 2 (MM539, 5 ECTS), 2017, Lecturer
 - Selected topics in modern analysis (MM838, 5 ECTS), 2016
- Responsible for the design of the course. Lectures given by J. Koivisto
- Calculus (MM555, 5 ECTS) Lecturer, 2016.
 - Algebra 2 (MM539, 5 ECTS) Lectures given by M. Gomez, 2016
 - Calculus (FF502, 20 ECTS), Lecturer and overall responsible for the course, 2016.
 - Groups and Operator Algebras (MM832, 5 ECTS) Lecturer and responsible for the design of the course, 2014,
 - Calculus (FF502, 20 ECTS) Lecturer, 2014
 - Introduction to Operator Algebras (MM819, 5 ECTS) Lecturer (joint with Wojciech Szymanski), 2014
 - Calculus (FF502, 20 ECTS) Lecturer, 2013

SUPERVISION

- PhD Supervision:
 - Max Holst Mikkelsen (2021-2024) [co-supervisor]
 - Thomas Gottfredsen (2017-2021) [main supervisor]
 - Sophie Emma Mikkelsen (2018-2021) [co-supervisor]
- Postdoc mentoring:- Are Austad (2022-2024) [co-supervisor]
 - Konrad Aguilar (2020-2021) [main supervisor]
 - Juhani Koivisto (2016-2018) [main supervisor]
 - Selcuk Barlak (2015-2017), [co-supervisor]
 - Maria R. Solano (2015-2017), [co-supervisor]

I have moreover supervised numerous first year projects, bachelor projects, master's theses, and reading courses; for more on this, please see my webpage.

Uddannelsesudvikling og universitetspædagogisk (følge)forskning, herunder pædagogiske priser

- Prizes
 - 2018: Teacher of the year at the Faculty of Natural Sciences (SDU)
- Pedagogical supervision
 - Fabian Haiden, internal pedagogical supervisor for the SDU lecturer training programme (Universitetspædagogikum), 2023
 - Morten Rask Petersen, internal pedagogical supervisor for the SDU lecturer training programme (Universitetspædagogikum), 2016.
 - Jens Kaad, internal pedagogical supervisor for the SDU lecturer training programme (Universitetspædagogikum), 2016 - 2017.

Methods, materials and tools

Teaching methods: mainly blackboard lectures combined with exercises in smaller groups

Materials: textbooks, slides, supplementary lecture notes. I furthermore use the student response system Socrative to keep the students active during class.