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1. Formal Educational Training

Lecturer training programme (LTP), University of Southern Denmark (SDU), 2022

Completed courses during LTP:

- Students as learners (0.5 ECTS)
- Research based teaching (0.5 ECTS)
- Evaluation and empirical data collection (0.25 ECTS)
- Introduction to itslearning (0.5 ECTS)
- The interactive lecture (0.25 ECTS)
- Use student respons systems in your teaching - PollEverywhere (0.5 ECTS)
- Motivating teaching (0.5 ECTS)

2. Administrative tasks relating to education

Member of the Danish Cardiovascular Academy Training Committee (2021-)

The committee organizes training and educational activities for cardiovascular researchers (primarily PhD-students and Postdocs) in Denmark.

3. Experience of study programmes, supervision and examination

TEACHING EXPERIENCE

SU502: Medical physiology (10 ECTS; Biomedicine; Bachelor; SDU)

Semesters: Fall-2020, Fall-2021

Lectures per semester: 2

Type of teaching: Lecture

Topic: Autonomic nervous system

Students per semester: 60-100

E-learning tool: PollEverywhere

Language: Danish

Examination/grading tasks: Designing and grading a subset of essay questions and MCQs of written exam

SU811: Molecular pathophysiology (10 ECTS; Biomedicine, Master; SDU)

Semesters: Fall-2016, Fall-2017, Fall-2018, Fall-2019

Lectures per semester: 3

Type of teaching: Lecture

Topic: Pathophysiology of Atherosclerosis

Students per semester: 60-100

Language: Danish

SU516/SU520: Physiology and pharmacology for pharmacists - Module 1: molecules and cells (7.5 ECTS; Pharmacology; Bachelor; SDU)

Semesters: Fall-2020, Fall-2021

Lectures per semester: 4

Type of teaching: Lecture

Topic: Autonomic nervous system

Students per semester: 60-100

E-learning tool: PollEverywhere

Language: Danish

Examination/grading tasks: Designing and grading a subset of essay questions and MCQs of written exam

SU517: Physiology and pharmacology for pharmacists - Module 2: heart, vessels and kidneys (5 ECTS; Pharmacology; Bachelor; SDU)

Semesters: Spring-2021, Spring-2022

Lectures per semester: 4

Type of teaching: Lecture
Topic: Cardiovascular physiology
Students per semester: 60-100
E-learning tool: PollEverywhere
Language: Danish
Examination/grading tasks: Designing and grading a subset of essay questions and MCQs of written exam

B5: Circulation and respiration (12 ECTS; Medicine; Bachelor; SDU)

Semesters: Fall-2020, Spring-2021, Fall-2021, Spring-2022
Lectures per semester: 1
Type of teaching: Lecture
Topic: Autonomic nervous system
Students per semester: 200-250
E-learning tool: PollEverywhere
Language: Danish
Examination/grading tasks: Designing and grading a subset of essay questions and MCQs of written exam

B11: Bachelorproject (10 ECTS; Medicine; Bachelor; SDU)

Semesters: Spring-2017, Fall-2017, Spring-2018, Fall-2018, Fall-2019, Spring-2020
Teaching per semester: 1 + weekly online supervision sessions
Type of teaching: Lecture + only supervision
Topic: Macrovascular disease
Students per semester: 12-16
Language: Danish
Examination/grading tasks: Grading individual oral defence of written group exam

Teaching assistant during PhD at Aarhus University (2011-2015) in the courses:

Introduction to molecular biology; Introduction to physiology; Introduction to bioinformatics; General molecular biology; Human cell biology; Advanced biochemistry

SUPERVISION EXPERIENCE

PhD project

2020-: JHL, Biomedicine, SDU

Master projects

2021: DRH, Biomedicine, SDU, 60 ECTS, Grading of thesis and oral defence
2020: MLT, Biomedicine, SDU, 60 ECTS, Grading of thesis and oral defence
2019: JHL, Biomedicine, SDU, 60 ECTS, Grading of thesis and oral defence

Bachelor projects

2022: MKP, Biomedicine, SDU, 15 ECTS, Grading of thesis
2022: SRS, Biomedicine, SDU, 15 ECTS, Grading of thesis
2021: ASN, Biology, SDU, 15 ECTS, Grading of thesis
2021: JSH, Biomedicine, SDU, 15 ECTS, Grading of thesis
2021: CMA, Biomedicine, SDU, 15 ECTS, Grading of thesis
2019: DRH, Biomedicine, SDU, 15 ECTS, Grading of thesis

Pre-graduate projects

2022: CMA, Biomedicine, SDU, 10 ECTS, Grading of report
2021: ASN, Biology, SDU, 10 ECTS, Grading of report
2021: MKP, Biomedicine, SDU, 10 ECTS, Grading of report
2019: MLT, Biomedicine, SDU, 10 ECTS, Grading of report
2019: DRH, Biomedicine, SDU, 10 ECTS, Grading of report
2018: JHL, Biomedicine, SDU, 10 ECTS, Grading of report
2018: ASS, Medicine, SDU, 15 ECTS, Grading of report

Internships

2022-: NKV, SDU, Lab technician
2020: JHL, SDU, Biomedicine
2020: CAL, SDU, Biomedicine
2018: THL, SDU, Biomedicine

4. Methods, materials, and tools

Traditional lecturing combined with evidence-based pedagogical methods (e.g., Peer Instruction) using e-learning tools (e.g., PollEverywhere).

5. Educational development and applied research into teaching at university, including educational awards

2021/2022, University of Southern Denmark:

Designed and conducted educational development project (during Lecturer Training Programme, LTP) to evaluate the effect of implementing Peer Instruction as a pedagogical tool to enhance learning during lectures. The project was presented orally to the LTP Summer 2022 cohort.

2011-2014, Aarhus University:

Participated in testing the implementation of Curriculearn (developed by Professor Ditlev Brodersen, Aarhus University) as a novel tool to enhance learning based on student peer-reviewing of essay questions and answers.