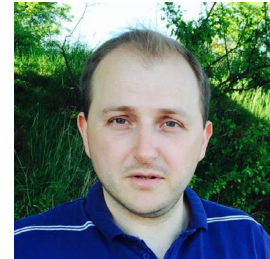


## Teaching Portfolio

Jacek Fiutowski  
SDU NanoSYD  
The Mads Clausen Institute  
Postal address:  
Alsion 2  
6400  
Sønderborg  
Denmark  
Email: fiutowski@mci.sdu.dk  
Mobile: 53350650  
Phone: 65501678



## Pedagogical view

My quality of teaching is based on three fundamental and interrelated principles:

- strategy
- detailed planning
- personal treatment

Attention to all three allows me as a teacher to build strong courses, explain core concepts in accessible ways, and reach out to students with different needs.

## Formal pedagogical training

SDU Lecturer Training Programme Winter 2013

## Teaching Experience

2020	Optics for Engineers (5 ECTS)
2019	Advanced Sensor Technology (5 ECTS)
2019	Project in Sensor Technology (5 ECTS)
2019	Optics for Engineers (5 ECTS)
2019	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2019	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2018	Optics for Engineers (5 ECTS)
2018	Physics of Devices and Failures and Reliability (5 ECTS)
2018	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2018	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2017	Optics for Engineers (5ECTS)
2017	Mechatronics Design and Build 2 (5 ECTS)
2017	Optics and Photonics (5ECTS)
2017	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2017	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2016	Optics and Photonics (5 ECTS)
2016	Mechatronics Design and Build 2 (5 ECTS)
2016	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2016	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2015	Mechatronics Design and Build 2 (5 ECTS)
2015	Optics and Photonics (5ECTS)
2015	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2015	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2015	Interface Optics (5 ECTS)
2015	Laser Physics and Spectroscopy (5ECTS)
2014	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2014	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2014	Laser Physics and Spectroscopy (5ECTS)
2014	Interface Optics (5 ECTS)
2013	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2013	Sensors and Electronics: Sensors and Actuators (5 ECTS)

2013	Interface Optics (5 ECTS)
2013	Laser Physics and Spectroscopy (5ECTS)
2012	Development Intelligent Dynamic Mechatronics Systems: Sensors and Actuators (10 ECTS)
2012	Sensors and Electronics: Sensors and Actuators (5 ECTS)
2012	Interface Optics (5 ECTS)
2012	Nano-Project 1 (5 ECTS)
2012	Sensors and Senses (5 ECTS)

## **Activities related to teaching and teaching development**

- Supervision experience: Postdocs, PhD students, MSc and BSc.
- Examination experience

## **Reflections on practice**

As part of the LTP course at SDU, several of my classes were observed by internal and external supervisors and also by members of my peer group. This was a very valuable experience to get detailed feedback in a way not usually possible from the students themselves. A number of interesting discussions following the observation sessions caused me to reflect:

- Introducing elements of humor – by implementing reasonable amount of humor during my lectures I was able to ‘push attention reset button’. Treating auditorium as a theater and making funny comparisons or giving funny examples in the verbal and visual way, I was able to win students attention or at least increase attention span.
  - Introducing visual storytelling techniques – similar effect was achieved by making lectures more dynamic and interactive, instead of boring monologues. Applying a rule ‘show don’t tell’ very often I was able to offer a memorable experience.
- I have received many positive comments from the students as well. They were satisfied with the level of my teaching, the selection of the content and diversity of teaching techniques. They really enjoy the structure of the course and the order of the assignments, having theory first and practice afterwards.