

## UDTU Diploma

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### Giulia Nardelli

has participated in  
**Education in University Teaching at DTU**  
Uddannelse i Didaktik og Metodik, UDTU

a 1½-year programme with an estimated workload  
of approximately 250 hours including a project on  
the participants own teaching.

Giulia Nardelli  
has passed all of the following modules:

- Module 1: Teaching and Learning
- Module 2: Teaching Methods and Course Design
- Module 3: Teaching and Teacher Development
- Module 4: Teaching Development Project

and as supplementary activity:  
3-days course "The PhD Supervision Process: Methods and Tools",  
DTU, March-May 2017  
1-day course "Supervision of Larger Projects at DTU", DTU,  
24 April 2017

LearningLab DTU, 9 October, 2019



Sabine Schmidt-Johansson  
UDTU Coordinator

## Education in University Teaching at DTU (UDTU)

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UDTU is a practical training course in teaching at university level.

UDTU is a 1½-year programme with an estimated workload of approximately 250 hours.

**UDTU consists of 4 modules:**

**Module 1: Teaching and Learning** (pre-assignment and a 4-day seminar).

**Main topics:** Introduction to basic theory on learning, learning objectives and feedback methods – Practical teaching exercises focussing on individual lessons

**Module 2: Teaching Methods and Course Design** (pre-assignment and a 2 ½-day seminar).

**Main topics:** Engineering competencies – Learning objectives and core elements – Teaching and assessment methods – Course planning

**Module 3: Teaching and Teacher Development** (pre-assignment and a 2 ½-day seminar).

**Main topics:** Test of students' pre-knowledge and understanding – Colleague supervision – Communication in teaching – Teaching portfolio – Teaching for creativity

**Module 4: Teaching Development Project** (project assignment).

**Main topics:** Planning, implementation, evaluation, and analysis of teaching focussing on student learning

**Supplementary activity:** One day's activity within the field of university education proposed by the participant and approved by LearningLab DTU.

### UDTU objectives

The overall objective of UDTU is that the participants develop knowledge, methods, and tools to conduct teaching at university level proficiently - and that they will be able to continually develop their teaching practice and understanding of student learning at university level.

**After UDTU you are supposed to be able to:**

- Explain the most important prerequisites for student learning in Higher Education
- Set up learning objectives for a course in order to support the development of engineering disciplinary knowledge and competencies
- Identify core elements in a course curriculum related to the learning objectives
- Design a course with teaching and assessment methods that support students' deep approach to learning and match the level of the learning objectives
- Test students' pre-knowledge and learning outcome in a course
- Analyse and critically evaluate the impact of a course design on student learning
- Generate new ideas of how to develop and improve teaching by using evaluations of own teaching practice
- Use methods to continually develop your understanding of teaching and learning

UDTU is based on active learning and in-action research. The learning about university teaching is based upon work with the development of the participants' own teaching practice.