

## Teaching portfolio

### 1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

#### Autumn 2014

- Assistant teacher in "Energitekniske Grundfag"(EN1, 1st semester) 5 ECTS
- Assistant teacher in "Numerical Methods" (TE5,MP5, IE7, IP5, TE5, EE5, MCE5, DS5, TP5 (5th and 7th semester) 5 ECTS
- Co-supervisor TEPE1 (3 students) "Investigating Drag,Lift and Frequency Changes as a Result of Vortex Shedding on a CircularCylinder in Crossflow when Introducing a Tripping Rod", 15 ECTS

#### Spring 2015

- Co-supervisor TE6 (4 students) "Fluid Flow Study of anAxial Mixing Impeller", 15 ECTS
- Co-supervisor TE6 (4 students) "Design af to aksialepropeller og tests af disses indvirkning på en fluids flowmønster i enmixertank ved brug af PIV", 15 ECTS
- Co-supervisor TEPE4 (1 student) "Modelling of Platesin Free Fall - Development of a Predictive Trajectory Model by an Expermntaland Numerical Approach", 30 ECTS

#### Autumn 2015

- Assistant teacher in "Fundamental Energy SystemPhysics and Topology" (EN3, 3rd semester) 5 ECTS
- Assistant teacher in "Thermodynamics, Heat Transferand Fluid Dynamics" (EN3, 3rd semester) 5 ECTS
- Assistant teacher in "Numerical Methods" (MP5,IE7, IP5, TE5, EE5, MCE5, DS5, TP5, 5th and 7th) 5 ECTS
- Co-supervisor TEPE7 (4 students) "Investigation ofChange of Aerodynamic Properties of a Wing Section Covered by Ice", 15 ECTS

#### Autumn 2016

- Co-supervisor TEPE1 (5 students) "Investigation of the Flow in the Near-tongue Region of a WasteWater Pump", 15 ECTS
- Co-supervisor TEPE3 (2 students) "CFD modelling and experimental verification of erosion in a pipe bend by water flow transported solid particles", 30 ECTS

#### Spring 2017

- Co-supervisor TE6 (4 students)"Investigation of Flow and Clogging Inside Impeller and Housing of aCentrifugal Pump, 15 ECTS
- Co-supervisor TE6 (3 students),"Undersøgelser af en spildevandspumpes tilstopningsfænomener", 15 ECTS
- Co-supervisor TEPE4 (2 students), "CFD modelling andexperimental verification of erosion in pump, 30 ECTS

#### Autumn 2019

- Assistant teacher in "Thermodynamics, heat transfer and fluid dynamics ", EN3, 5 ECTS

#### Spring 2020

- Teacher in "FlowMachines", TE6, 18 students, 8/11 lectures, 5 ECTS
- Co-supervisor TE6 (4 students),topic: modelling of Pelton turbine, 15 ECTS

### 2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

### 3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc.

#### Completed Courses

##### 2014

"Basic Course in Pedagogy for University Teachers", 2 ECTS

##### 2020

Currently participating in the course on University Pedagogy for Assistant Professors. Expected to be completed in the end of 2020.

**4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.**

**5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.**

**6. Teaching awards you may have received or been nominated for.**

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.**

**8. Any other information or comments.**