

Undervisningsportfolio

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Teaching CV

Pedagogical view

I am convinced that learning is largely based on the student's motivation for learning. The motivation have a direct impact on the effort that is put in the projects and studies, both in terms of quantity and in terms of the level of concentration for the individual project. Therefore, motivating the students is one of the most important tasks as a teacher and in particular as a supervisor. Not necessarily motivating them to want to learn, but motivate by putting things in perspective, making things exciting and generally facilitating a safe educational environment. By establishing a safe environment where all students feel safe and dare to ask the "stupid" questions, we can create an environment that everyone wants to be a part of. This will contribute to an environment where all students contribute to mutual learning of the entire class. In other words, it is important that everybody in the educational environment contributes and is an active part of the teaching and supervision. In this way, motivation for learning increases automatically. In terms of projects, I believe it is motivating for students to see that their work can contribute to the society. Thereby, it becomes much more motivating than if it is just a matter of finishing the education and getting the degree.

Undervisningserfaring

2015, 2016, Forspændt beton - Design og analyse af forspændte betonkonstruktioner. Nyt kursus på SDU i 2015.
2017, 2018, 2019 Eksamensform: mundtlig (baseret på afleverede projekter). 5 ECTS. Niveau: M.Sc.
2015, 2016, Betonkonstruktioner - Avancerede metoder til beregning af betonkonstruktioner. Eksamensform:
2017, 2018 Skriftlig (indtil 2016), Mundtlig (fra 2017). 5 ECTS. Niveau: M.Sc.
2014 - 2015 Plasticitetsteori (for internationale studerende). Eksamensform: Mundtlig. 5 ECTS. Niveau: B.Sc.
2012 Betonkonstruktioner - 3 af de 12 lektioner. Eksamensform: Skriftlig. 5 ECTS. Niveau: M.Sc.

Censorerfaring

2019 2 specialer (4 studerende) ved Danmarks Tekniske Universitet (DTU). Eksamensform: Speciale + mundtlig. 30-35 ECTS. Niveau: M.Sc.
2018 6 specialer (9 studerende) ved Danmarks Tekniske Universitet (DTU). Eksamensform: Speciale + mundtlig. 30-35 ECTS. Niveau: M.Sc.
2014, 2015, Plasticitetsteori. Eksamensform: Mundtlig. 5 ECTS. Niveau: B.Sc.
2016, 2017, 2018
2014 Plasticitetsteori for betonkonstruktioner - projektfag. Eksamensform: Mundtlig på baggrund af en skriftlig rapport. 5 ECTS. Niveau: B.Sc.

Vejledningserfaring

Vejledning af specialer

2019 Titel: "Experimental investigation on the shear capacity of prestressed concrete beams". 3 studerende
2019 Titel: "Design of Prestressed Concrete Shell Structures". 2 studerende.
2019 Titel: "Shear failure in RC slabs". 3 studerende.
2019 Titel: "Concrete Compressive Strength in Existing Structures – An Experimental and Statistical Investigation". 2 studerende.
2019 Titel: "Shear Capacity of Non-shear Reinforced Concrete Beams - A Theoretical Study based on Non-Linear Finite Element Analysis". 1 studerende.
2018 Titel: "Shear Behaviour of Reinforced Concrete Beams Without Shear Reinforcement". 1 studerende.
2018 Titel: "Investigation on the Shear Capacity of Prestressed Concrete Beams". 2 studerende.

- 2017 Titel: "Limit state design of prestressed concrete structures". 2 studerende.
- 2016 Titel: "Experimental and Theoretical Analysis of a New Design for Connection between Precast Concrete Bridge Decks". 2 studerende.
- 2016 Titel: "Experimental Study on the Correlation of Concrete Strength found from different Methods". 2 studerende.
- 2015 Titel: "Shear Strength of Wire Loop Connections between perpendicular wall elements" (Dansk titel: "Forskydningsstyrke af wiresløjfesamlinger mellem tværstående vægelementer"). 2 studerende.
- 2015 Titel: "Strain Measurements via ARAMIS Measurements on Wire Box Connections". 1 studerende.
- 2012 Titel: "Strength of construction joints between reinforced concrete slabs subjected to combined bending and tension". 3 Students.
- 2012 Titel: "Robustness – of precast concrete structures" (Dansk titel: Robusthed – af præfabrikerede betonkonstruktioner). 1 studerende.
- 2011 Titel: "Construction joints between prefabricated bridge decks - Experiment, analysis and design development" (Dansk titel: Konstruktionssamlinger mellem præfabrikerede brodæk - Test, analyse og designudvikling). 3 studerende.

Vejledning af profilerende projekter

- 2019 Titel: "Theoretical Study on the Design of Concrete Shell Structures". 2 studerende.
- 2019 Titel: "Design Guide for RC Frame Corners". 3 studerende.
- 2019 Titel: "Theoretical study on the shear capacity of prestressed concrete beams". 2 studerende.
- 2019 Titel: "Practical application of statistical methods". 2 studerende.
- 2019 Titel: "Theoretical study on non-linear Finite Element Analysis of reinforced concrete structures". 1 studerende.
- 2018 Titel: "The Effect of Curtailed Reinforcement in Reinforced Concrete Beams without Shear Reinforcement". 1 studerende.
- 2018 Titel: "Investigation on the Shear Capacity of Prestressed Concrete Beams". 2 studerende.
- 2017 Titel: "Minimum reinforcement degree and cracks in reinforced concrete beams" (Dansk titel: "Minimumsarmering og revner i armerede betonbjælker"). 2 studerende.
- 2016 Titel: "An Experimental Evaluation of RC Beams with Curtailed Reinforcement". 2 studerende.
- 2016 Titel: "Experimental and Theoretical Analysis of a New Design for Connection between Precast Concrete Bridge Decks - prethesis". 2 studerende.
- 2015 Titel: "Wireloop connections" (Dansk titel: "Wiresløjfesamlinger"). 2 Studerende.
- 2012 Titel: "Theoretical investigation in the strength of construction joints between reinforced concrete slabs". 3 studerende.

Vejledning af diplomingeniør afgangsprojekter

- 2018 Titel: "Experimental Study on the Compressive Strength of Concrete in Existing Structures". 2 studerende.
- 2018 Titel: "Design of Steel Fibre Reinforced Concrete Structures". 2 studerende.
- 2018 Titel: "Shear Capacity of Continuous Concrete Beams without Shear Reinforcement". 3 studerende.
- 2017 Titel: "Serviceability limit state design of looped wire rope connections". 2 studerende.
- 2017 Titel: "A study of concrete element connections subjected to pure tension". 3 studerende.
- 2016 Titel: "Are the current methods to calculate the shear capacity for RC beams safe?". 1 studerende.
- 2015 Titel: "Experimental Study of the Shear Strength of Wire Loop Connections between Precast Concrete Elements". 2 studerende.
- 2015 Titel: "The Influence of Curtailed Reinforcement on the Strength of RC Beams". 2 studerende.
- 2014 Titel: "Shear strength of RC Elements with Truncated Reinforcement". 3 studerende.

Vejledning af andre projekter

- 2016 Vejleder for en studerende i et ECTS individuel stidueaktivitet (afleveret i rapportform) omkring emnet: "Examining anisotropic properties in concrete over time".
- 2015 Vejleder for en studerende i et ECTS individuel stidueaktivitet (afleveret i rapportform) omkring emnet: "The influence of the reinforcement design on the shear strength of concrete beams without stirrups"

Formel pædagogisk uddannelse

2015 - 2016 Universitetspædagogikum, Syddansk Universitet

Undervisningskurser

- 2018 "Effective feedback to enhance students' learning", Syddansk Universitet
- 2016 "Nærvær og gennemslagskraft i undervisning" - Bliv bevidst om dit kropssprog, Syddansk Universitet

2015 "High Performance Teams", Folkeuniversitetet i Odense
2015 "Teaching Portfolio – Getting started", Syddansk Universitet
2015 "Setting up your course in Blackboard/e-learn.sdu.dk", Syddansk Universitet

Øvrige aktiviteter relateret til undervisning og undervisningsudvikling

2015 - Medlem af uddannelsesudvalget for uddannelsen til Civilingeniør i konstruktionsteknik.
nuværende

2015 - Ansvarlig for at styre mødet med aftagerpanelet til civilingeniøruddannelsen i konstruktionsteknik. Siden
nuværende 2016 afholdt sammen med diplomingeniøruddannelsen i bygningsteknik.