

**Documentation for project unit accomplished**

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Name: **Morten Christiansen**  
CPR-nr. (civil reg. no.): **190884-2193**  
Specialization: **Master of Science in Civil Engineering**  
**Civil Engineering, 1st semester 2007**  
Theme: **Analysis and design of load-bearing structures**  
Credit: **24 ECTS**

**Description of project unit**


The student should be able to:

- analyse complex load-bearing structures (structural members) with regard to strength and stiffness using analytical and numerical methods,
- apply experimental methods as well as estimate results with regard to the assumed model and uncertainty, and
- assess the mechanical properties of materials and their significance to the strength and stiffness conditions.


**In connection with the project unit, the following project unit courses were offered:**

Continuum mechanics/Material models I	2 ECTS
Continuum mechanics/Material models II	1 ECTS
Finite element method for analysis of structures	3 ECTS
Experimental methods	1 ECTS

Date: January 7, 2008

  
Study director for Civil Engineering

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