



## HÖGSKOLAN I GÄVLE

### Bachelor of Science in Engineering Thesis in Energy Systems

15 cr

Examensarbete för högskoleingenjörsexamen i energisystem 15 hp

Set by Faculty of Engineering and Sustainable Development

**Version**

**Set at**

**Valid from**

5/12/11

**VT2011**

<b>Level</b>	G1E
<b>Education level</b>	First cycle
<b>Course identifier</b>	ETG700
<b>Credits</b>	15 cr
<b>Main field of study</b>	Energy Systems
<b>Subject group</b>	Energy Technology
<b>Disciplinary domain</b>	Technology 100.0 %

**Learning outcomes**

On completion of the course, the student should be able to:

1. used acquired knowledge in an engineering solution to a given research or development assignment linked to the education
2. use relevant literature and put the own work into context
3. document the own work in a technical report
4. orally present and discuss the own results
5. review, evaluate and discuss the degree projects of fellow students.

**Course content**

Own research or development work with connection to the education  
Literature and method studies  
Presentation of own work

**Teaching**

Supervision. Seminars.

The work is carried out individually or in pairs. In the latter case, the contributions of the individuals should be clearly stated. The work is carried out under guidance of an academic supervisor from the higher education institution. If the degree project is carried out in collaboration with a company or organisation, an external merchant from this company or

organisation may be appointed.

**Prerequisites**

Apart from general entry requirements, approved results of at least 130 HE credits must be included with 75 HE credits in the main subject of energy systems and 7.5 HE credits in mathematics.

For the specialisation in the degree project, necessary courses should be completed. The examiner decides case by case which special courses are required in order to carry out the degree project.

**Examination**

0010 - Written report, final seminar, public discussion another degree, attendance at two additional examination presentations, 15 HE credits.

**Grade**

A, B, C, D, E, Fx, F

**Other regulations**

Grading criteria are provided by the examiner or supervisor in connection with the course introduction.

**Sustainable environment**

A minor part of the course content deals with sustainable development.

**Module**

0010 Thesis project

15 cr

Grade: AF