



HÖGSKOLAN I GÄVLE

Thesis Work in Electrical Engineering 15 cr

Examensarbete för Elektroingenjörsutbildning 15 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

3/25/15

HT2015

Level	G2E
Education level	First cycle
Course identifier	EEG801
Credits	15 cr
Main field of study	Electronics
Subject group	Electronics
Disciplinary domain	Technology 100.0 %

Learning outcomes

After completion of the course the student shall be able to

1. apply acquired knowledge in an engineering solution to a determined assignment linked to the education.
2. use basic knowledge of scientific methodology for implementation of a project or development work
3. find and use relevant course literature and other information in the area and put the own work into context
4. use knowledge and skills acquired in the studies of the relevant subject
5. present and document the results in a systematic, logical and educational way
6. review, evaluate and discuss other thesis work.

Course content

The course consists of an independent design, investigation or development project in electronics or a related subject linked to the study programme in electrical engineering.

Teaching

Teaching is mainly given by supervision.

The work is carried out individually or in pairs. In the latter case, the contributions of the individuals should be clearly stated.

The degree project is an independent assignment in different phases, which includes problem formulation, literature studies, project specific studies, implementation, analysis and

documentation.

If the degree project is carried out in collaboration with a company or organisation, an external part from this company or organisation may be appointed, in addition to the supervisor from HiG.

Prerequisites Approved courses of at least 120 cr in main subject, mathematics and related subject. Courses important for thesis content shall be approved.

Examination Presentation of thesis work, opposition and presents att two other thesis presentations

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

Limitations To begin the degree project, an application form for degree projects in electronics must be submitted to the subject representative or faculty programme director together with a brief description of the intended work.

Other regulations Criteria for final grades are announced by the co-ordination or examiner at the start of the course.

Sustainable environment Content with sustainable development is not relevant to this course.

Module

0010	Degree project	14 cr	Grade: AF
0020	Opposition at one other thesis seminar	0.5 cr	Grade: UG
0030	Visit to two other thesis seminars	0.5 cr	Grade: UG