



HÖGSKOLAN I GÄVLE

Bachelor of Science in Engineering Thesis in Mechanical Engineering 15 cr

Examensarbete för högskoleingenjörsexamen i maskinteknik 15 hp

Set by Faculty of Engineering and Sustainable Development

Version	Set at	Valid from
	5/10/11	VT2011

Level	G1E
Education level	First cycle
Course identifier	MTG600
Credits	15 cr
Main field of study	Mechanical Engineering
Subject group	Mechanical Engineering
Disciplinary domain	Technology 100.0 %

Learning outcomes	<p>The degree project should provide skills in independent management and engineering solutions to a determined assignment in mechanical engineering. On completion of the course, the student should be able to:</p> <ol style="list-style-type: none">1. apply acquired knowledge and skills in mechanical engineering in an individual project2. plan and carry out an investigation or development work linked to the education3. present the project in writing4. present and discuss the results orally5. review, evaluate and discuss another degree project.
Course content	<p>Own research or development work with connection to the education Literature and methodology studies Presentation of own work</p>
Teaching	<p>Individual supervision. The work is carried out individually or in pairs. In the latter case, the contributions of the individuals should be clearly stated. The subject should be approved by examiner before start. The work progress should be presented to the supervisor at least twice before the examination.</p>

Prerequisites	Approved basic courses, at least 120 HE credits within the education. Courses necessary for the specialisation of the degree project must be completed. The examiner decides case by case which special courses are required in order to carry out the degree project.		
Examination	0010 Degree Project, 15 HE credits The degree project should be presented in writing in the form of an essay (expected learning outcomes 1, 2 Examensarbetet skall presenteras skriftligt i form av en uppsats (Irandeml 1,2 & 3).#38; 3) . The degree project should be presented and discussed orally in a public examination (expected learning outcomes 1, 2 Examensarbetet skall presenteras och diskuteras muntligt vid en offentlig examination (Irandeml 1,2 & 4).#38; 4) . The student should publicly discuss another student's degree project (expected learning outcomes 5).		
Grade	A, B, C, D, E, Fx, F		
Sustainable environment	A minor part of the course content deals with sustainable development.		
Module	0010 Thesis	15 cr	Grade: AF