



## HÖGSKOLAN I GÄVLE

### Degree Project for a Master of Science in Industrial Engineering and Management 15 cr

*Examensarbete för teknologie magisterexamen inom Industriell ekonomi 15 hp*

Set by Faculty of Engineering and Sustainable Development

<b>Version</b>	<b>Set at</b>	<b>Valid from</b>
	10/8/14	VT2015

<b>Level</b>	A1E
<b>Education level</b>	Second cycle
<b>Course identifier</b>	IEA700
<b>Credits</b>	15 cr
<b>Main field of study</b>	Industrial Economics
<b>Subject group</b>	Industrial Engineering and Management
<b>Disciplinary domain</b>	Technology 100.0 %

<b>Learning outcomes</b>	After completion of the course the student shall be able to <ol style="list-style-type: none"><li>1. independently plan, execute and present a scientific degree project in the field of Industrial Engineering and Management</li><li>2. apply a scientific approach shown by the choices and application of methodology and by critical assessment of these choices</li><li>3. reflect on societal and ethical aspects of the chosen topic</li><li>4. use and reflect on scientific theories and literature within the field of Industrial Engineering and Management. This includes making a literature review and defining relevant concepts in use.</li><li>5. specify how the findings in the project contributes to existing scientific knowledge within the field.</li><li>6. write a thesis and demonstrate good proficiency in oral and written communication.</li></ol>
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<b>Course content</b>	Independent work, corresponding to ten weeks of full-time work, where earlier knowledge acquired in previous courses is applied Project proposal Literature study
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	<p>Studies and/or field work related to the specific project</p> <p>Master thesis writing</p> <p>Presenting and defending of thesis in seminar</p> <p>Opposition of other students thesis</p>
<b>Teaching</b>	Project supervision and seminars
<b>Prerequisites</b>	Approved courses of minimum 30 credits on advanced level in the master's programme of Industrial engineering and management. Main courses related to the theme of the project as well as a course in scientific methods need to be finished.
<b>Examination</b>	Master Thesis
<b>Grade</b>	A, B, C, D, E, Fx, F
<b>Limitations</b>	For degree project work performed in industry or equivalent, rights to e.g. patents and ownership have to be stated in a written agreement before starting the work. After examination and approval of the examiner, the thesis is official and treated as a public document. The degree of publicity may be limited partly or totally by means of an agreement of confidentiality. Such an agreement of confidentiality is made with the University of Gävle, normally at the time when the project is formulated.
<b>Other regulations</b>	<p>Criteria for final grade will be handed out at the beginning of the course.</p> <p>The report is written in either Swedish or English with abstracts in both Swedish and English.</p> <p>The thesis is defended publicly in a seminar.</p>
<b>Sustainable environment</b>	A minor part of the course content deals with sustainable development.
<b>Module</b>	0010 Master Thesis <span style="float: right;">15 cr</span> <span style="float: right;">Grade: AF</span>