

300 hp Civilingenjör: After completing the degree project work, the student should be able to [Not a formal translation]	Criteria for PASS	Supporting Texts for FAIL
1. demonstrate knowledge of the chosen topic's disciplinary foundation and proven experience, insight into current research and development, as well as in-depth knowledge of methodology.	The literature study is well executed. Current research and development with a bearing on the work is presented in a clear manner. The selected method is well argued for, based on science or proven experience and evaluated against other methods. Relevant knowledge from previous courses in the study program are used in an adequate way.	The literature study is insufficient. Connections to current research and development is missing or deficient. Justification or evaluation of the selected method is insufficient. The work demonstrates limited knowledge from previous courses in the study program.
2. demonstrate the ability to holistically, critically and systematically, search, collect and integrate knowledge and identify one's need for further knowledge	The thesis task is handled autonomously and systematically based on critical analysis and synthesis of relevant literature. This work demonstrates a holistic view. Well-chosen databases and search tools are used. The need for further knowledge is discussed.	Relevant literature is largely lacking or have not been integrated into the work. The literature is treated uncritically. The work is not based on prior knowledge in the field. Discussion on the development of the work is missing.
3. demonstrate an ability to identify, analyze, assess and deal with complex phenomena, issues and situations even with limited information	Relevant complex phenomena, issues and situations are identified in the thesis. The work clearly shows that these are well managed and analyzed even if the available information is limited. Appropriate judgements related to the thesis' research question(s) and its results are implemented.	Complex phenomena, issues or situations are not formulated, handled or analyzed in the thesis. The work shows a lack of holistic view of the problem picture or is unjustifiably restricted to avoid the complexity of the task. Relevant judgements related to the thesis question is missing.
4. demonstrate an ability to plan and with adequate methods carry out advanced tasks within given time frames and to evaluate this work	The work plan developed during the early part of the thesis has been followed. An advanced work is carried out within the agreed time and with the methodology agreed. Any changes in the planning or in the work consists of agreements between student and supervisor. Assets and limitations of the work performed is clearly stated.	The work is not up to the level that has been agreed upon, initially or later during the supervision process. A critical evaluation of one's own work is missing. The agreed work plan in terms of time and methodology has not been held.
5. demonstrate the ability to develop and evaluate products, processes, systems, methods or technical solutions taking into consideration human conditions and needs and society's objectives for economically, socially and ecologically sustainable development	The selected approach is explained and implemented in such a way that the developed and evaluated products, processes, methods, systems or technical solutions, are tailored to people's needs and conditions. Considerations to relevant societal objectives are taken in such a way that future generations' possibilities to meet their own needs are not compromised.	Product, process, system, method or technical solution has not been evaluated or developed in the work. Appropriate analysis of manageability for and effect on people, society, environment and economy flaws or is missing.
6. demonstrate the ability to orally and in writing in dialogue with different groups clearly present and discuss one's conclusions and the knowledge and arguments that form the basis for these	The report is well-organized, well formulated and linguistically coherent. The argumentation for the conclusions are well implemented. The review of the sources is relevant, is independently formulated and well integrated. Oral presentation, opposition as well as the communication during work demonstrate the student's ability to present and sensitively discuss the work and the conclusions with various parties such as clients, supervisors, teachers, researchers and students.	The content is not systematically presented and the text or the oral presentation is difficult to understand. The argumentation for the conclusions is insufficient. Thereview have an unclear purpose, are too close to the original source, or stacked with no obvious connection. The written report is not linguistically well-formulated or coherent. The continuous communication or the oral presentation do not show responsiveness, clarity or ability to discuss the work and findings.
7. demonstrate an ability to make judgements with regard to relevant scientific, social and ethical aspects	The thesis work demonstrates judgement abilities, for example, being able to explain, justify, criticize and recommend. Relevant topic-specific judgements based science or proven experience have been made in the thesis work. The thesis work contains reflections on social and ethical aspects or have been justified as irrelevant.	Judgements are missing or inadequate. The work demonstrates the inability to insert the study in a larger context. The thesis does not address the ethical and societal aspects even though these may be relevant to the project topic. Alternatively a justification for aspects not addressed is lacking.
8. demonstrate the skills required to participate in research and development work or to work independently in other advanced contexts	The student makes him/herself acquainted with the task and displays the ability to participate in the work culture that prevails where the task is to be solved. The student demonstrates the ability to test, evaluate and also to be able to reject ideas and solutions in discussions of the task. The student demonstrates initiative and is open to supervision and criticism. The work is to a large extent carried out independently.	Despite supervision and guidance the student does not show the ability or willingness to participate and cooperate in the current work culture. The student does not add constructive ideas in discussions with supervisors and shows disinterest for advice and new proposals. The student does not demonstrate independent creative work between tutoring sessions.