

Assessment of degree project

Name: _____

Civic registration number _____

Course: _____ Course code: KZ.....

Project title: _____

Supervisor: _____

Reviewer: _____

Examiner: _____

Use "Marking Criteria" form to set points for each assessment moment

Assessment moment	Points	Weight	Points x weight
Understanding the project		1	
Execution the project		5	
Theoretical background knowledge		3	
Evaluation and analysis of results		3	
Independence		5	
Keeping the time schedule		1	
The oral presentation		5	
The written presentation		5	
Total			

Final grade: _____

Stockholm

Date

Supervisor: _____

Reviewer: _____

Examiner (Director of study): _____

Definition

A = Excellent (>125); B = Very good (98-125); C = Good (70-97) D = Satisfactory (42-69)
E = Sufficient (28-41) Fx = Insufficient, F = completely insufficient (< 28)

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Marking Criteria Degree Project in Materials Chemistry (Advanced Level)

For passing the degree project at least 1 point is required in all assessments.

Understanding the project (weight 1)

Points	Assessment	Criteria
1	Yes/No	The student is able to restate the aims of the project in her/his own words and to discuss how the chosen approach relates to them.
3	Yes/No	The student is able to explain why the approach is suitable for the aims of the project and how all phases of the project relate to the aims.
5	Yes/No	The student is able to discuss the approach in a wider perspective, in addition to the requirements for 3 points.

Points: _____

Execution of the project (weight 5)

Points	Assessment	Criteria
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The student executes the project thoroughly
	Yes/No	The student documents the project in a laboratory notebook such that it can be repeated by others. The notebook must be written in a language that the supervisor understands.
	Yes/No	The student applies experimental techniques / computational or theoretical approaches adequately.
	Yes/No	The student is able to search and critically interpret relevant literature.
	Yes/No	The student is able to plan adequate experiments/computations.
Each fulfilled criterion below gives one additional point, but only if all criteria for 1 point above have been fulfilled		
2-5	Yes/No	The student actively drives the project forward.
	Yes/No	The student documents the project in a clear and structured way.

	Yes/No	The student is able to identify problems with the chosen approach or the planned experiments / computations.
	Yes/No	The student shows great experimental / computational skills.

Points: _____

Theoretical background /knowledge (weight 3)

Points	Assessment	Criteria
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The student has extended knowledge regarding the chemical context of the project
	Yes/No	The student has extended knowledge regarding the methods used in the project
	Yes/No	The student has insight into current research related to the project
Each fulfilled criterion below gives one additional point, but only if all criteria for 1 point above have been fulfilled		
2-5	Yes/No	The student has done an extensive literature search and has deep insight into current research in the field of the project.
	Yes/No	The student has deep insight into the relevant system
	Yes/No	The student has deep insight into the method(s) used in the project and is able to reflect about the choice of the method(s)
	Yes/No	The student is able to discuss strengths and limitations of the used methods regarding application to the chemical system studied

Points: _____

Evaluation and analysis of results (weight 3)

Points	Assessment	Criteria
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The student is able to discuss strengths and limitations of the approach
	Yes/No	The student draws correct conclusions from the obtained results
Each fulfilled criterion below gives one additional point, but only if all criteria for 1 point above have been fulfilled		
2-5	Yes/No	The student analyses the data thoroughly.
	Yes/No	The student is able to explain also those aspects of the results that are difficult to interpret or has otherwise critically evaluated the data.

	Yes/No	The student builds relevant hypotheses bases on her/his data.
	Yes/No	The student develops evaluation methods or tests several methods.

Points: _____

Independence (weight 5)

<i>Points</i>	<i>Assessment</i>	<i>Criteria</i>
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The student is able to perform the experiments / computations independently after an introduction
	Yes/No	The student is able to plan adequate experiments / computations
Each fulfilled criterion below gives one additional point, but only if all criteria for 1 point above have been fulfilled		
2-5	Yes/No	The student is able to deal with upcoming problems in an independent way.
	Yes/No	The student contributes with own ideas that are relevant for the execution of the project or suggests approaches to solve particular problems.
	Yes/No	The student shows initiative in the practical execution of the project.
	Yes/No	The student takes a leading role in the planning of the second half of the project.

Points: _____

Keeping the time schedule (weight 1)

<i>Points</i>	<i>Assessment</i>	<i>Criteria</i>
1	Yes/No	The student keeps the agreed time schedule in the experimental / computational work
3	Yes/No	In addition, the student holds the oral presentation in time
5	Yes/No	In addition, the student hands the different versions of the written report in time

Note that the final version (accepted by the examiner) must be handed in at latest 30 days of term time after the oral presentation (not counting the time it takes the examiner to read the supervisor accepted version) to qualify for marks A and B.

Points: _____

The oral presentation (weight 5)

Points	Assessment	Criteria
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The presentation introduces the system studied AND the method(s) used. The information given is correct.
	Yes/No	Relevant results are presented and correct conclusions drawn from the obtained results.
	Yes/No	The results are discussed in the context of previous research from the literature.
	Yes/No	Most illustrations are relevant, clear and have correct axis labels.
	Yes/No	The presentation is clear and structured.
	Yes/No	The presentation lasts between 20 and 30 min.
	Yes/No	Language and pronunciation are understandable
	Yes/No	Language and technical terms are largely correct
	Yes/No	The student answers correctly to most relevant questions.
Each fulfilled criterion below gives one additional point, but only if all criteria for 1 point above have been fulfilled		
2-5	Yes/No	The introduction places the project into a wider context
	Yes/No	The presenter holds good contact with the audience
	Yes/No	The presentation has a clear structure, language and technical terms are correct and the pronunciation is clear.
	Yes/No	The student gives qualified answers to all questions

Points: _____

The written presentation (weight 5)

Points	Assessment	Criteria
All of the criteria below must be fulfilled to obtain 1 point		
1	Yes/No	The report contains the required number of pages
	Yes/No	The report is written entirely in the student's own words without plagiarism.
	Yes/No	The text is clear and spelling, grammar, and formalities are largely correct.
	Yes/No	The <i>Popular science description</i> puts the project in a wider perspective, can be understood by someone with school knowledge in science and has the required length

	Yes/No	The <i>Abstract</i> is understandable on its own
	Yes/No	The <i>aims</i> are clearly stated in the <i>Introduction</i>
	Yes/No	The <i>Introduction to the system</i> has the required length; correctly states the present knowledge and is based on scientific reviews and articles
	Yes/No	The <i>Introduction into the method(s)</i> has the required length; correctly states its/their scientific background and summarizes previous results obtained with this/these methods on the studied system or similar systems. The later is based on scientific reviews and articles
	Yes/No	The <i>Materials and Methods</i> section is detailed enough for other scientists to repeat the study.
	Yes/No	The <i>Results</i> section reports the obtained results in a clear way and gives a reasonable interpretation based on the obtained data. All figures are referred to in the text, they have correct axis labels and units. All work is mentioned, i.e. also those parts of the project that did not work. If results were obtained by others, this is clearly stated.
	Yes/No	The <i>Discussion</i> section discusses appropriately the obtained results in the light of previous original research articles.
	Yes/No	<i>Benefits and limitations of the approach</i> as well as possible <i>alternative interpretations</i> are appropriately discussed and the respective section has the required length
	Yes/No	The <i>role of similar approaches and research topics for the society and possible ethical aspects</i> are appropriately discussed and the respective section has the required length
	Yes/No	The report identifies <i>further questions</i> worth studying and outlines how this can be done.
	Yes/No	The report cites and lists relevant literature correctly and references are given for all figures not produced by the student her/himself.
Each fulfilled criterion below gives 1/2 additional point, but only if all criteria for 1 point above have been fulfilled		
1.5-5	Yes/No	The above criteria for 1 point were already met in the first draft handed in to the supervisor
	Yes/No	The text contains little irrelevant material.
	Yes/No	The results are discussed in a wider context.
	Yes/No	The text discusses whether the aims were reached or not.
	Yes/No	The analysis and discussion of the results is thorough.
	Yes/No	The text is well structured.
	Yes/No	Spelling, grammar, and technical terms are correct throughout the text.
	Yes/No	The text is easy to read
	Yes/No	The illustrations are helpful for the understanding and are easy to perceive

Points: _____

Final mark

The final mark is calculated as follows:

- 1x points for Understanding the project
 - + 5x points for Execution of the project
 - + 3x points for Theoretical background/knowledge
 - + 3x points for Evaluation and analysis of results
 - + 5x points for Independence
 - + 1x points for Keeping the time schedule
 - + 5x points for The oral presentation
 - + 5x points for The written presentation
-
- = Total number of points (min 28, max 140)

<i>Mark</i>	<i>Total number of points</i>
E	28 - 41
D	42 - 69
C	70 - 97
B	98 - 125
A	126 - 140

In addition: In order to qualify for marks A and B, the final version (accepted by the examiner) must be handed in at latest 30 days of term time after the oral presentation (not counting the time it takes the examiner to read the supervisor accepted version)