

Grading criteria for independent projects at **Master's level (two-year)**

Applicable to independent projects in biology, environmental sciences, soil science, food science, agricultural science, chemistry and technology.

To pass, the student must have demonstrated that his/her **knowledge in the area has advanced**.

This course should provide the skills to independently plan, perform and present a **scientific study** within a chosen problem area. The student, through the independent project, should advance his/her subject knowledge in the area.

1. After completing the course, the student should be able to identify, delimit and formulate scientific problems in the chosen problem area, based on previously acquired knowledge.

Grade	Grading criteria	Yes*	No*
5	- The student's proposal for a new or expanded question demonstrates good insight into current research issues and good knowledge of the scientific methodology in the field.		
4	- The student's proposal for a new or expanded question demonstrates that the student has a good understanding of the field in which the student has conducted the project.		
3	- The student, based on the results of his/her own work, has identified a development of the project and identified new questions.		

*) the examiner to mark with a cross

2. After completing the course, the student should be able to independently plan and perform a qualified investigation in the chosen problem area.

Grade	Grading criteria	Yes*	No*
5	<ul style="list-style-type: none"> - The student has actively participated in discussion on the choice of method. - The student has demonstrated great ability to take initiative and contribute his/her own ideas for solutions in discussion and consultation with the supervisor. - The student has demonstrated a good ability to evaluate results and place these in a larger context. 		
4	<ul style="list-style-type: none"> - The student has completed the project with appropriate thoroughness. - The student has demonstrated the ability to reflect on the choice of method. - During the project, the student has demonstrated the ability to identify questions/problems that have arisen and has handled these in an independent manner. - The student has completed the project within the planned time frame. 		
3	<ul style="list-style-type: none"> - The student has completed the project in a thorough manner. - The student has demonstrated the ability to place his/her results in a relevant context. - The student has demonstrated the ability to plan his/her project, among other things, by establishing a reasonable timetable in consultation with the supervisor. - The student has demonstrated the ability to take his/her own initiatives in discussion and consultation with the supervisor. 		

*) the examiner to mark with a cross

3. After completing the course, the student should be able to independently seek, evaluate, critically interpret and compile relevant information.

Grade	Grading criteria	Yes*	No*
5	- The student has, independently and with very good ability, evaluated and critically interpreted relevant information in relation to his/her own project.		
4	- The student has in a clear way related his/her own results to original scientific literature in the area.		
3	- - The student has demonstrated a good ability to select relevant sources and demonstrates that he/she is able to interpret and evaluate the content of these. - The student has independently compiled relevant information. - The student has made proper use of accurate and relevant sources.		

*) the examiner to mark with a cross

4. After completing the course, the student should be able to make a written English presentation of scientific results in the chosen problem area.

Grade	Grading criteria	Yes*	No*
5	- The structure, argument and analysis of the written project demonstrate that the student has a good understanding of the field.		
4	<ul style="list-style-type: none"> - The written project is linguistically thorough with good readability, which includes a well-planned and correct choice of words, correct sentence structure, grammar and spelling. - The written project exhibits a cogent, rigorous and concise argumentation. - The illustrations (including tables and figures) selected by the student help to enhance the reader's understanding of the project. 		
3	<ul style="list-style-type: none"> - The written presentation is in English. - The student has handled formalities properly. - The student has used scientific language and a vocabulary appropriate to the subject. - The texts and illustrations (including tables and figures) used in the project are relevant and have been handled and presented properly. - The project is within the given constraints (such as scope). 		

*) the examiner to mark with a cross

5. After completing the course, the student should be able to orally present and discuss results in the chosen problem area.

Grade	Grading criteria	Yes*	No*
5	-		
4	<ul style="list-style-type: none"> - In the oral presentation, the student has responded to questions and conducted a dialogue with the audience in a positive way. - The oral presentation is clear and concise in performance and argument. - The student gives an interesting presentation. 		
3	<ul style="list-style-type: none"> - The student is well prepared for the oral presentation. - The presentation reported obtained results and conclusions, is kept within given constraints (such as time) and fulfilled the criteria for a scientific presentation. 		

*) the examiner to mark with a cross

6. After completing the course, the student should be able to summarise a scientific work in the chosen problem area at a level suitable for a lay audience interested in popular science.

Grade	Grading criteria	Yes*	No*
5	-		
4	- The student has produced an easily accessible popular science summary in which key results are placed in a larger context within the reader's frames of reference.		
3	- Language, arrangement, message and scope have been adapted to a target group with lay members interested in popular science.		

*) the examiner to mark with a cross

7. After completing the course, the student should be able to provide constructive criticism on the scientific projects of other students in the chosen problem area.

Grade	Grading criteria	Yes*	No*
5	-		
4	-		
3	- The student has publicly discussed and examined another student's project and summarised it in writing. - The public discussion and examination must have been carried out as instructed.		

*) the examiner to mark with a cross