Grading criteria EX1002 Independent project in Bioinformatics, A2E, 30.0 credits

The examiner evaluates the last version of the written report. Note that some of the goals do not have any criteria for higher grade than 3 (i.e. pass/fail) and some of the goals have criteria for higher grades (some only for 4, some both for 4 and 5). For obtaining grade 4, all criteria for grade 4 must be fulfilled. For obtaining grade 5, all criteria for grade 5 must be fulfilled.

Objectives	**Grade 3**	**Grade 4**	**Grade 5**	**Comment**
- *independently and creatively identify and formulate scientific questions;*	The student independently and creatively identifies and formulates scientific questions.			The examiner discusses with the supervisor to get knowledge about the work of the student during the project.
- *independently search, compile, evaluate and critically interpret relevant information and literature;*	The student independently searches, compiles, evaluates and critically interprets relevant information and literature.	Clearly communicate the critical interpretations of the literature and relevant information.	Describe the identified knowledge gaps in the area and put them/it in a relevant context.	
- *independently plan and, using adequate methods, carry out a scientific study within given time frames;*	The student independently plans and, using adequate methods, carries out a scientific study within given time frames.	The student completes the project within 20 weeks +/- 20% (i.e. 4 weeks) effective time.		If the student, within their own control, use more effective time than 20 weeks (+- 20%) no higher mark than 3 should be given regardless of how the student meet the other criteria. A planned break, within the plan, means the student can have a higher mark than 3. However this planned break must be clearly planned and documented.
- *analyse and evaluate data and/or findings on a scientific basis;*	The student analyses and evaluates data and/or findings on a scientific basis.	Reflect on analysis and methods chosen, argue for why the particular method was chosen and describe method/evaluation that could have been used instead.		
- *discuss contents and conclusions in a scientific work critically, and reflect on how the choice of question and method relates to the scientific and practical basis of the*	The student discusses the contents and conclusions of their thesis critically, and reflect on how the choice of question and method relates to the scientific and practical	The student discusses, based on relevant sources of information, the pros and cons of methods alternative to the used method.	The student, based on relevant scientific and other sources, discuss the practical implications of the results of his/her study.	

subject;	basis of the subject.			
- reflect on social and ethical aspects, sustainability aspects within the subject as well as ethical aspects of research and development;	The student reflects on social and ethical aspects, sustainability aspects within the subject as well as ethical aspects of research and development.			
- present a scientific work in accordance with the prevailing practice of the discipline, adapted to the intended audience and according to the instructions given;	The student presents a scientific work in accordance with the prevailing practice of the discipline, adapted to the intended audience and according to the instructions given.	The scientific text is clear and typical for the scientific discipline.	The text is easy to read, illustrated in a way that facilitates reading, is concise and uses a lively but still scientific and correct language.	
- write a summary in English of a scientific report according to the instructions given;	The student writes a summary in English of a scientific report according to the instructions given.			
- write a popular science summary of a scientific work according to the instructions given; *- present a scientific work orally and critically review and discuss, as well as give constructive criticism of, another student's project, including method, conclusions and the context of the work in a wider perspective;*	The student writes a popular science summary of a scientific work according to the instructions given. The student presents a scientific work orally and critically review and discuss, as well as give constructive criticism of, another student's project, including method, conclusions and the context of the work in a wider perspective.			
- identify their own skill and knowledge development needs in the subject of the project;	The student identifies their own skill and knowledge development needs in the subject of the project.			The examiner discusses with the supervisor to get knowledge about the work of the student during the project and the project plan (Form B).