Check-list “Learning Outcomes for Diploma Work” - Bachelor

The learning outcomes for the diploma work is regulated in the Swedish Higher Education Act – see attachment. It is essential that students, supervisors and examiners are aware of these goals and make sure that they are fulfilled before the project is passed. As an integral part of the examination, we therefore require that the checklist is filled in and signed by all three parties. We also recommend that people involved return to this checklist regularly during the project work.

We list a brief description and the full definition of the criterion below and ask you the answer if you feel that the criterion is fulfilled. If the answer is no, you should explain why in the comment box below:

1. Learning goal on knowledge and understanding: understand the subject matter (Physics) – both theory, experiment and current research:
   The student shall demonstrate knowledge and understanding in the main field of study, including knowledge of the disciplinary foundation of the field, understanding of applicable methodologies in the field, specialised study in some aspect of the field as well as awareness of current research issues.

Criterion fulfilled (yes/no): ________

If no, why?
2. **Learning goal on competence and skills: critical method concerning data and methods:**
   The student shall demonstrate the ability to search for, gather, evaluate and critically interpret the relevant information for a formulated problem and also discuss phenomena, issues and situations critically.

   Criterion fulfilled (yes/no): ________

   If no, why?

3. **Learning goal on competence and skills: problem-solving and keeping deadlines:**
   The student shall demonstrate the ability to identify, formulate and solve problems autonomously and to complete tasks within predetermined time frames.

   Criterion fulfilled (yes/no): ________

   If no, why?
4. **Learning goal on competence and skills: oral and written presentation for different target groups:**

The student shall demonstrate the ability to present and discuss information, problems and solutions in speech and writing and in dialogue with different audiences.

Criterion fulfilled (yes/no): ________

If no, why?

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5. **Learning goal on competence and skills: independence:**

The student shall demonstrate the skills required to work autonomously in the main field of study.

Criterion fulfilled (yes/no): ________

If no, why?
6. **Learning goal for judgement and approach: Physics in a context – socially, and ethically, as well as considering e.g. philosophy of science:**  
The students shall demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues.

Criterion fulfilled (yes/no): ________

If no, why?

7. **Learning goal for judgement and approach: Physics and Physicists role and responsibility in the society:**  
The student shall demonstrate insight into the role of knowledge in society and the responsibility of the individual for how it is used.

Criterion fulfilled (yes/no): ________

If no, why?
8. **Learning goal on judgement and approach: discuss the future of the project and suggest where to go next:**

*The student shall demonstrate the ability to identify the need for further knowledge and ongoing learning.*

Criterion fulfilled (yes/no): ________

If no, why?

We have discussed and agreed about the above assessments

Place:          Date:

Student:

Supervisor:

Examiner:
Appendix: From the Swedish Higher Education Act


(Swedish version can be found under: http://www.uhr.se/sv/Studier-och-antagning/Antagning-till-hogskolan/Hogskoleforordningen/)

Annex 2: Qualification ordinance

Part 4: Qualification Descriptors

Degree of Bachelor of Arts/Science

Scope

A Degree of Bachelor of Arts/Science is awarded after the student has completed the courses required to gain 180 credits in a defined specialisation determined by each higher education institution itself, of which 90 credits are for progressively specialised study in the principal field (main field of study) of the programme.

Outcomes

Knowledge and understanding

For a Degree of Bachelor of Arts/Science the student shall

1. demonstrate knowledge and understanding in the main field of study, including knowledge of the disciplinary foundation of the field, understanding of applicable methodologies in the field, specialised study in some aspect of the field as well as awareness of current research issues.

Competence and skills

For a Degree of Bachelor of Arts/Science the student shall

2. demonstrate the ability to search for, gather, evaluate and critically interpret the relevant information for a formulated problem and also discuss phenomena, issues and situations critically
3. demonstrate the ability to identify, formulate and solve problems autonomously and to complete tasks within predetermined time frames
4. demonstrate the ability to present and discuss information, problems and solutions in speech and writing and in dialogue with different audiences, and
5. demonstrate the skills required to work autonomously in the main field of study.

Judgement and approach
For a Degree of Bachelor of Arts/Science the student shall

6. demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues
7. demonstrate insight into the role of knowledge in society and the responsibility of the individual for how it is used, and
8. demonstrate the ability to identify the need for further knowledge and ongoing learning.

Independent project (degree project)

A requirement for the award of a Degree of Bachelor of Arts/Science is completion by the student of an independent project (degree project) for at least 15 credits in the main field of study.

Miscellaneous

Specific requirements determined by each higher education institution itself within the parameters of the requirements laid down in this qualification descriptor shall also apply for a Degree of Bachelor of Arts/Science with a defined specialisation.