“Learning Outcomes for Diploma Work” - Bachelor

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.

2. **Learning goal on competence and skills: critical approach concerning data handling and methods used:**
   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.

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.

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.

5. **Learning goal on competence and skills: independence:**
   The student shall demonstrate the skills required to work autonomously in the main field of study.

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.

7. **Learning goal for judgement and approach: Physics and Physicists role and responsibilities 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.

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.