

Introduction to elementary particle physics

Methods of evaluation

The course is built on lectures and practice lessons and concludes with an exam. Prerequisites for an exam are participation in studies (especially in practice lessons) and success in writing two mid-term tests.

Problems related to material learned in lectures are discussed and simple tasks are solved in practice lessons.

Two mid-term tests – one concerning theoretical knowledge and another dedicated to solving tasks must be passed. Course concludes with a final exam in oral or written form.

In the beginning of course lecturer specifies his or her evaluation criteria (i.e. Format of final exam) and determines dates and times for mid-term tests.

Assessment criteria

Skills evaluated at the final exam:

- Understanding of elementary particle physics, its main computational principles and main applications.
- Understanding of experimental setup and methodologies as well as capability to work on large scale datasets
- ability to solve independently basic physics tasks and problems, understanding their substance.

Explanation of numeric grades

5 (excellent) – student's knowledge of theoretical aspects is excellent. The answers are specific, clear and detailed. Student completely masters all terms (91%...100% of course material).

4 (very good) - student's knowledge of theoretical aspects is very good. The answers are specific, clear and detailed but contain less individual view. There may be some minor errors in answers (81%...90% of course material).

3 (good) - student's knowledge of theoretical aspects is good. The answers are clear but contain some errors. Discussion lacks individual approach. Some points of view may be erroneous (71%...80% of course material).

2 (satisfactory) – student's knowledge is satisfactory but not all answers are clear. Frequent errors can be found in answers but understanding of basic principles is clear. (61%...70% of course material).

1 (poor) - Student's answers are weak, only partly cover the material, and are insufficiently detailed and specific. There are major mistakes. Student constantly needs help and leading questions. (51%...60% of course material).