Physics YFX0022 Methods of evaluation

Methods of evaluation

The course of physics consists of lectures, practice lessons and laboratory works and concludes
with an exam. Prerequisites for the exam are performing all laboratory works, participation in studies (especially in practice lessons) and success in writing two mid-term tests.
Lab works consist of a predefined number of works, their results must be presented according to standards. All works shall be defended. For successful defence student must understand the nature of physical phenomena demonstrated in the corresponding work, calculate
results correctly, be able to estimate uncertainity of measurement(s) and to answer questions related
to the work.
If some or all lab works are not performed up to the end of the examination session, the whole lab course must be repeated next year.
In practice lessons, problems related to material learned in lectures are discussed and simple tasks are solved.
Two mid-term tests must be passed: one concerning theoretical knowledge and another dedicated to solving tasks. The course concludes with a final exam in oral or written form.
In the beginning of the course the lecturer specifies his or her evaluation criteria (i.e. format of final exam) and determines dates and times for the mid-term tests.

Assessment criteria

Skills evaluated at the final exam:
 comprehension of elementary laws and terms of physics, ability to notice relations between physical values, ability to find limits of use of laws of physics;
 ability to solve independently basic physics tasks and problems, understanding their essence.

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 the 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 the 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 the 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 the 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 the course material).