

Subject: Physical Chemistry I

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Requirements (Physical Chemistry I)

Physical Chemistry I is one of the most important and most difficult subjects. It is essential to follow the lectures and to work during the semester.

The final mark will be calculated as the weighted average of three marks:

1. There will be five short tests during the semester. In these tests important definitions and relationships will be asked. (The list of possible questions will be available some days before the test.) One test with the poorest results will not be considered. The average of the marks of the remaining tests will be calculated (A).

2. There will be one problem solving test (Open books). Students not satisfied with the result can repeat the test. The better results of the two tests will be calculated (B). A third test is available for those who fail both tests (a special procedure fee have to be paid to the university).

3. There will be an exam in the examination period (C). This will have both written and oral part.

If either B or C is less than 2, the final mark is “fail”.

Final mark: $D = 0.15 A + 0.35 B + 0.5 C$

$D < 1.6$, fail (1)

$1.6 \leq D < 2.5$, pass (2)

$2.5 \leq D < 3.5$, satisfactory (3)

$3.5 \leq D < 4.5$, good (4)

$4.5 \leq D$, excellent (5)

All files on the subject Physical Chemistry 1 will be available at the address:
<http://oktatas.ch.bme.hu/oktatas/konyvek/fizkem/PysChemBSC1/>

You can download the e-book from

http://www.interkonyv.hu/konyvek/en/grofcsik_billes_physical_chemistry_1

About the final exam:

The exam starts with an entrance test containing four questions from the list of ShortQuestions.pdf. Three correct answers are required to continue. The answers are accepted if the student properly understands them and knows the applied notations. Those who continue the exam receive two topics of the lecture. The exam topics are uploaded to the “oktatas” server. After a no more than an hour

long preparation the exam topics are discussed. For the preparation you can use a handwritten cheatsheet with 20 numbered equations. The oral part of the exam is successful if the student can prove that he or she has a significant amount of knowledge (at least 50 %) about both topics. Finally, the date on your plane ticket does not effect the outcome of the exam.

Course book(s):

Peter W. Atkins: *Physical Chemistry, part I*

Ira N. Levine: *Physical Chemistry*