

Practicalities of the course Principles of Physical Chemistry 2022

Lectures and exercises: Aluminium - C100, Circular Raw Materials Hub (the materials Science building, NOT Chem. building)

Text book: Engel book Physical Chemistry 4th edition (Part 1, Thermodynamics). The book is in Pearson electronic system.

Exercises: Weekly exercises (starting at 9.9.) are done in Pearson web-based system. You will get points for the exercises and the exercise points will be max. **25 % of the course points**.

NOTE you need a computer in the exercise. There is nothing on the paper. You probably need paper to do the exercises.

We will organize exercises sessions every week (on Friday). The purpose of the exercises sessions is to help you to solve the problems. Deadline to return the exercises is on Mondays. First DL is 12.9. There is also a web-based training (Intro to Exercise system) of the Pearson system from which you do not get points. Please, do the training before the first exercise session.

Course assistants:

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Quizzes: The small quizzes in MyCourses will contribute **10 %**. The quizzes are there to motivate for reading the text book. The quizzes should be done around lectures. There will close some days after the lectures.

Exams: Exam will be done remotely, and it will contribute **65 %** to the course points. The detail will be added later.

The exam time is 3 h but if you have dyslexia (suom. lukihäiriö) you need to note that in advance and you will have 4 h of time. Send me an email.

Schedule 2022

6.9.2022 Tue 10-12 Introduction, Chapter 1, ideal and real gases

8.9.2022 Thu 12-14 **No lectures**, I am travelling
9.9.2022 Fri 14-16 Exercises, introduction, chapter 1, end of quiz 1
13.9.2022 Tue 10-12 Chapter 2
15.9.2022 Thu 12-14 Chapter 2 and 3
16.9.2022 Fri 14-16 Exercises, chapter 2 and 3, end of quiz 2 and 3
20.9.2022 Tue 10-12 Chapter 4
22.9.2022 Thu 12-14 Chapter 5
23.9.2022 Fri 14-16 Exercises, chapter 4 and 5 , end of quiz 4
24.9.2022 Sat 14-16 end of quiz 5
27.9.2022 Tue 10-12 Chapter 6
29.9.2022 Thu 12-14 Chapter 7
30.9.2022 Fri 14-16 Exercises, chapter 6 and 7 end of quiz 6
4.10.2022 Tue 10-12 Chapter 8, end of quiz 7
6.10.2022 Thu 12-14 Chapter 9, end of quiz 8
7.10.2022 Fri 14-16 Exercises, chapter 8 and 9, end of quiz 9
11.10.2022 Tue 10-12 Chapter 35, kinetics
13.10.2022 Thu 12-14 Chapter 36
14.10.2022 Fri 14-16 Exercises, chapter 35 and 36 , end of quiz 35 and 36

Exam: 19.10.2022 14-18

Exam instructions for CHEM-C1230 - Principles of Physical Chemistry autumn 2022

The exam is a home exam. You will get the questions on given time (in MyCourses) and you will have 3.5 h to return the exam to MyCourses. The exam time is 3 h and 0.5 h is for returning the questions.

The filename (or files) need to have **your name** in it. Your name and student number should be in the file too. Most common file types, like .doc .pdf are OK. The answers can be hand

written and scanned but pay attention of the clarity of the output file. Photographs can be of poor quality or the files can very large so try avoiding them. If possible, send a single file.

If you return multiple files, your name should be in **all of them** and there should be a number to separate the files. Your name and student number should be in the file too.

You can use any material you find but do not copy it directly to the answers. The points will be reduced if I find direct copy form e.g. Wikipedia or from the textbook. You need to answer to the equations with your own words. In numerical question, you need to provide some intermediated results. I need to know how you solved the problem.

You have to do the exam alone. No group work or help of other persons.

The exam **starts at 14:00, 19.10.2022**

The answers have to be submitted latest at xx+3:30. Note few persons have special permit to have longer exam time (that will end at xx+4:30). There will be a separated folder for them. All folders are in the Home page.

There will be new exams and the exercise points are taken into account for exams in this academic year.