

CHEM-E4210 Molecular Thermodynamics D 2023

Course completion and grading

The course teaching includes lectures two days a week 2x45min and an exercise session 2x45min. See course content file for precise schedule. The course is taught as contact teaching in 2023. Exercises can be done independently or as small groups with peer support (everyone handing in own answer sheets with your own calculations). Exercise support (=tips by teacher) is provided in the exercise session by the teacher.

Unless otherwise announced during the course, all contact teaching is in KE-4 (D311).

Exercises and final assignment are submitted in MyCourses folders! No direct hands-in to lecturer or teaching assistant.

COMPULSORY PASS: For passing the course, you need to pass the probability concepts and calculation revision. The concepts are such that a good familiarity with high school probability and multivariate calculus will result in direct pass but if you need a revision here, please revise the concepts and basic calculations now. The math revision is due Thursday 26th October and a strong recommendation to complete it before the 2nd lecture.

15% of course grade: For each lecture, except the 1st lecture, there is a pre-lecture quiz or exercise in MyCourses. The quiz is based on the pre-reading material from the course book specified for each lecture. This quiz closes 15 min before the lecture starts (strongly suggested that you do the reading and quiz the previous day). **Strict deadline (=miss the deadline, miss the points).**

25% of course grade: Exercises including the math revision. You get points for returning the solutions to MyCourses folder. Getting the points does not require being present in the exercise session but the exercise session helps solving the exercises. Please note that you cannot complete the exercises in the exercise session time frame (either start before or be ready to work after the exercise session). The deadline of the regular exercise rounds of each week is on the following Monday. **Semi-strict deadline (=miss the deadline, miss 50% of the points).**

60% of course grade: Final assignment, due Monday 18th December, 2023. The assignment contains both a statistical thermodynamics based formulation of a system and explanation of the equations, as well as, an essay type extended text related to the topic. A list of topics to choose from is provided. **Delay from deadline affects grade.**

Use of AI-based writing tools not allowed. Selected assignments will be called to oral examination (questions about the assignment content) before grading.

- Pre-lecture quizzes are done and graded in MyCourses
- Exercises including the math revision are submitted to MyCourses folders.
- Final assignment is submitted in MyCourses for grading. The text is subject to Turnitin check for originality.

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