## CHEM-E4210 - Molecular Thermodynamics D, 24.10.2022-2.12.2022

## Hall Course content (tentative)

Monday	24/10/2022	12:15-14:00	KE4	From calculating probabilities to entropy and Boltzmann law (Ch. 1-5)
Thursday	27/10/2022	12:15-14:00	KE5	Thermodynamic driving forces & logic of thermodynamics (Ch. 6-8)
Friday	28/10/2022	10:15-12:00	KE4	Exercise set 1
Monday	31/10/2022	12:15-14:00	KE4	Maxwell's relations, Boltzmann distribution, simple gases etc. (Ch. 9-14 in part)
Tuesday	01/11/2022	12:15-14:00	KE4	Continuation of previous topics
Friday	04/11/2022	10:15-12:00	KE4	Exercise set 2
Monday	07/11/2022	12:15-14:00	KE4	Solvation and transfer of molecules between phases (Ch. 15-16)
Wednesday	09/11/2022	12:15-14:00	KE4	Physical and chemical kinetics (Ch. 17-19)
Thursday	10/11/2022	10:15-12:00	KE5	Exercise set 3
Monday	14/11/2022	12:15-14:00	KE4	Coulomb law & electrostatics (Ch. 20-23)
Wednesday	16/11/2022	12:15-14:00	KE4	Intermolecular interactions (Ch. 24)
Friday	18/11/2022	10:15-12:00	KE4	Exercise set 4
Monday	21/11/2022	12:15-14:00	KE4	Phase transitions and their models (Ch. 25, 26)
Wednesday	23/11/2022	12:15-14:00	KE4	Adsorption and binding, cooperative processes (Ch. 27-29)
Friday	25/11/2022	10:15-12:00	KE4	Exercise set 5
Monday	28/11/2022	12:15-14:00	KE4	Water (Ch. 30, 31)
Wednesday	30/11/2022	12:15-14:00	KE4	Polymers (Ch. 32-34)
Friday	02/12/2022	10:15-12:00	KE4	Exercise set 6
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