

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

				Hall	Course content (tentative)
L1	Monday	24/10/2022	12:15-14:00	KE4	From calculating probabilities to entropy and Boltzmann law (Ch. 1-5)
L2	Thursday	27/10/2022	12:15-14:00	KE5	Thermodynamic driving forces & logic of thermodynamics (Ch. 6-8)
E1	Friday	28/10/2022	10:15-12:00	KE4	<i>Exercise set 1</i>
L3	Monday	31/10/2022	12:15-14:00	KE4	Maxwell's relations, Boltzmann distribution, simple gases etc. (Ch. 9-14 in part)
L4	Tuesday	01/11/2022	12:15-14:00	KE4	Continuation of previous topics
E2	Friday	04/11/2022	10:15-12:00	KE4	<i>Exercise set 2</i>
L5	Monday	07/11/2022	12:15-14:00	KE4	Solvation and transfer of molecules between phases (Ch. 15-16)
L6	Wednesday	09/11/2022	12:15-14:00	KE4	Physical and chemical kinetics (Ch. 17-19)
E3	Thursday	10/11/2022	10:15-12:00	KE5	<i>Exercise set 3</i>
L7	Monday	14/11/2022	12:15-14:00	KE4	Coulomb law & electrostatics (Ch. 20-23)
L8	Wednesday	16/11/2022	12:15-14:00	KE4	Intermolecular interactions (Ch. 24)
E4	Friday	18/11/2022	10:15-12:00	KE4	<i>Exercise set 4</i>
L9	Monday	21/11/2022	12:15-14:00	KE4	Phase transitions and their models (Ch. 25, 26)
L10	Wednesday	23/11/2022	12:15-14:00	KE4	Adsorption and binding, cooperative processes (Ch. 27-29)
E5	Friday	25/11/2022	10:15-12:00	KE4	<i>Exercise set 5</i>
L11	Monday	28/11/2022	12:15-14:00	KE4	Water (Ch. 30, 31)
L12	Wednesday	30/11/2022	12:15-14:00	KE4	Polymers (Ch. 32-34)
E6	Friday	02/12/2022	10:15-12:00	KE4	<i>Exercise set 6</i>