

Course: CHEM 204

Instructor: Lena Simine & Anthony Mittermaier

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Brief course description: an emphasis on biological Examples to illustrate Gas Laws and Kinetic theory of gas; Work, enthalpy, heat capacity and 1st Law of Thermodynamics; Entropy and 2nd Law of Thermodynamics; Gibbs and Helmholtz Free Energies; Nonelectrolyte solutions and Chemical potential; Electrolyte solutions and Membrane potential; Chemical equilibrium and Ligand binding; Electrochemistry and Energy; Electrochemistry and Energy; Chemical kinetics and Enzyme kinetics

Method of Delivery: Recorded content videos with live problem solving/tutorial sessions.

Evaluation Scheme:

12 weekly quizzes	60/35 % (to maximize final grade)
3 exams	35/60 % (to maximize final grade)
Student homework presentation	5%