Reading:

Biophysical Chemistry
Part III: The behavior biological macromolecules
Cantor and Schimmel
Pages 888 – 894, (Sections 16-2 through 16-4)
Pages 910 – 912 (Section 16-7, subsection “Relaxation Kinetics”)
Pages 939 – 945 (Sections 17-1 and 17-2)

Copies of the selected pages are available in the library or on moodle.lmu.de

Questions:

1) What is the reaction scheme of a unimolecular reaction and of a bimolecular reaction?

2) What is the Michaelis-Menten mechanism of an enzymatic reaction?

3) What is the steady state approximation for the Michaelis-Menten reaction?

4) What is the principle of relaxation spectrometry?

5) What is an allosteric effect and how is it used in feedback control?