

Study programme: Dentistry
Name: **CALCULATIONS IN MEDICAL CHEMISTRY**
Abbreviation: LCH/ZAA41
Course type: 8 hours of semstr
Course distribution: 1st year, 1st semester
Number of credits: 1
Course form: Seminar
Leader: Mgr. Martina Bancířová, Dr.
Study, room: Fridays 15:00–16:30, seminar room of the department

	Date	Theme	No. of lessons	Leader
1	4. 11. 2022	Solutions I (calculations of concentrations, mixing of solutions, dilution of solutions)	2	Bancířová
2	11. 11. 2022	Solutions II (ionic strengths, equilibrium constants, solubility products constant)	2	Bancířová
3	25. 11. 2022	pH of solutions I (pH of solutions, pH of buffers)	2	Bancířová
4	2. 12. 2022	pH of solutions II (acid-base titration, titration curves) Volumetric analysis (redox, complexometric)	2	Bancířová

Completed by: Course unit credit (at least 70% points)
Requirements: 100% presence in seminar, credit tests
Literature: Dvořáčková, S. et al. (2007). Calculations in medical chemistry. Olomouc: Palacký University.