

Катедра по химични науки
4004 Пловдив, бул. Братя Бъкстон 120
тел: 032 20 07 51
e-mail: chemical.sciences@ff.mu-plovdiv.bg



Department of Chemical Sciences
120 Bratya Buxton Str., 4004 Plovdiv
Phone: 00359 32 20 07 51
e-mail: chemical.sciences@ff.mu-plovdiv.bg

LAB SCHEDULE

Analytical Chemistry, Part II, Winter Term, Academic Year 2026/2027

№	Topic activity
1	Complexometric Titration
	Standardisation of EDTA Solution.
2	Copper (II) ions Analysis.
3	Determination of Total Water Hardness.
4	Oxidation-Reduction Titrations
	Permanganometry. Standardisation of KMnO_4 solution.
5	Permanganometry. Hydrogen Peroxide Analysis.
5	Permanganometry. Estimation of Iron (II) in iron containing tablets.
7	Preparation and Standardisation of Thiosulfate Solution. Preparation and Standardisation of Iodine Solution.
8	Iodimetry. Determination of Metamizole Sodium. Determination of Ascorbic Acid.
9	Iodometry. Determination of Glucose.
10	Instrumental Methods of Analysis
	Potentiometric Titration. Determination of pK_a Value of Acetic Acid.
11	Potentiometric Titration. Determination of Phosphoric Acid Content in Soft Drinks.
12	Spectrophotometry. Absorption Spectrum of Vitamin B_{12} . Spectrophotometric Determination of Vitamin B_{12} .
	Spectrophotometric Determination of Salicylic Acid in Aspirin Tablets.
13	Spectrophotometric Determination of K_a of an Acid-Base Indicator. Interpreting an Infra-Red Spectrum.
14	Separation Methods in Analytical Chemistry
	Extraction. Determination of Hydroxyzine Hydrochloride.
15	Extraction-Spectrophotometric Determination of Al^{3+} .
	Determination of a Distribution Coefficient.

September 10, 2026

Approved by: _____

Prepared by: _____

Prof. K. Gavazov, PhD
Head of the Chemical Sciences Department

Assoc. Prof. Z. Velkova, PhD