

Посветени на хуманността

МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛОВДИВ

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## LAB SCHEDULE

Analytical Chemistry, Part I, II semester, Academic Year 2023/2024

№	Topics
1. 05.02. – 09.02.24	Introduction to Analytical Chemistry. Qualitative analysis. General principles and theory. Basic tools and operations
2. 12.02. – 16.02.24	First analytical group of cations – Silver (I), Lead (II), and Mercury (I)
3. 19.02. – 23.02.24	Identification of group II cations
4. 26.02. – 01.03.22	Identification of group III, group IV and group V cations
5. 04.03. – 08.03.24	Systematic qualitative analysis. Separation and identification of group I cations
6. 11.03. – 15.03.24	Systematic qualitative analysis of selected cations. Identification of selected anions
7. 18.03. – 22.03.24	Volumetric (titrimetric) analysis. Principles, classification. Volumetric glassware, Basic techniques. Calculations
8. 25.03. – 29.03.24	Acid-base titrations. Acidimetry. Preparation and standardization of hydrochloric acid solution
9. 01.04 – 05.04.24	Acid-base titrations. Acidimetry. Quantitative determination of ammonia in solution. Titration of a mixture of sodium hydroxide and sodium carbonate
10. 08.04. – 12.04.24	Acid-base titrations. Alkalimetry. Preparation and standardization of sodium hydroxide solution.
11. 15.04. – 19.04.24	Acid-base titrations. Alkalimetry. Determination of acetylsalicylic acid purity
12. 22.04. – 26.04.24	Acid-base titrations. Alkalimetry. Analysis of commercial Antacid tablets
13. 07.05. – 10.05.24	Precipitation titrations. Argentometry. Preparation of silver nitrate solution. Determination of chlorides by Mohr's method
14. 13.05. – 17.05.24	Precipitation titrations. Argentometry. Determination of potassium bromide
15. 20.05. – 24.05.22	Colloquium

January 29, 2024

Lecturer:

/Assoc.Prof. Z. Velkova, PhD/

Head of Department:

/Prof. K. Gavazov, PhD/

