

	Implementation schedule	Physically/remote	Contact hours	Autonomous work for students (max hours)	Learning outcomes
Activity 1 02/03/2025	Introduction to secondary metabolites	remotely	3	5	Clarify the various families of secondary metabolites, understand their importance for human health
Activity 2 06/03/2026	Introduction to in vitro biological assays	remotely	3	5	Understand the Folin Ciocalteu method, total flavonoids content assay, antioxidant capacity of extracts
Activity 3 16/03/2026	Basic laboratory training. Preparation of the extracts	physically	7	5	Learn safety tools, how to prepare extracts
Activity 3 17/03/2026	Estimation of total phenolic content	physically	8	6	Experience on Folin ciocalteu method
Activity 4 18/03/2026	Estimation of total flavonoid content	physically	8	6	Experience on aluminum chloride method
Activity 5 19/03/2026	Evaluation of the antioxidant activity (DPPH assay)	physically	7	5	Experience on DPPH assay
Activity 6 20/03/2026	Evaluation of antioxidant activity (ABTS assay)	physically	7	5	Experience on ABTS assay
Activity 7 26/03/2026	Discussion of results and literature search	remotely	4	10	Discussion of results

Activity 8 31/03/2026	Preparation of results and reports for the annual student's conference	remotely	5	10	Learn how to present scientific data using professional diagrams and correct terminology
Total Hours			52	57	109