

	<b>Implementation schedule</b>	<b>Physically/ remotely</b>	<b>Contact hours</b>	<b>Autonomous work for students (max hours)</b>	<b>Learning outcomes</b>
<b>Activity 1</b>	Basic laboratory training on Biotechnology/ preparation of extracts	Physically	8	6	Learn safety rules & preparation of an experiment and samples
<b>Activity 2</b>	Evaluation of total phenolic content via the Folin-Ciocalteu assay	Physically	8	4	Experience on Folin-Ciocalteu assay methodology.
<b>Activity 3</b>	Evaluation of flavonoid content using the aluminum chloride method.	Physically	8	4	Experience on aluminum chloride methodologies
<b>Activity 4</b>	Estimation of chlorophylls a and b, as well as total carotenoids concentration, spectrophotometrically	Physically	8	4	Mastery of spectrophotometry methodology
<b>Activity 5</b>	Evaluation of extracts' antioxidant activity by TEAC and FRAP.	Physically	10	4	Experience on TEAC and FRAP assays
<b>Activity 7</b>	In vitro experiments on human cell lines to explore the cytocompatibility of the produced extracts.	Physically	15	5	Experience on cell lines methodologies

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<b>Activity 8</b>	Cytotoxicity assessments of the extracts by MTT on broad range of extract concentrations and varied incubation durations.	Physically	15	5	Experience on cytotoxicity assessments
<b>Activity 9</b>	Literature search	Remotely	3	15	Analyze scientific sources of information for a specific task
<b>Activity 10</b>	Preparation of Report and presentation of results at the online annual student's conference	Remotely	3	25	Enhance proficiency in written and oral communication within a particular field, utilizing specialized terminology
<b>Total Hours</b>			<b>78</b>	<b>72</b>	