

	Implementation schedule	Physically/ Remotely	Contact hours	Autonomous work for students (max hours)	Learning outcomes
Activity 1	Preparation and review of methods for DSC analysis applied to biomedical materials	Remotely through online guidance	2	2	LO3
Activity 2	Differential Scanning Calorimetry and Thermogravimetric analysis-sample preparation, instrument setup, software training and material analysis	Physically	8	10	LO1, LO2
Activity 3	Scanning electron microscopy (SEM) of preformulated materials and collation of data	physically	5	10	LO1, LO2
Activity 4	Fourier Transform Infra-red spectroscopy – software training, instrument operation and sample analysis including replicates	physically	5	8	LO1, LO2
Activity 5	Dynamic Light scattering/Zeta potential analysis of materials	physically	14	8	LO1, LO2
Activity 6	X-Ray diffraction analysis of materials	Physically	8	10	LO1, LO2
Activity 7	Remote work in data analysis, interpretation	Remotely	2	12	LO1, LO2
Activity 8 (mandatory)	Preparation of a presentation for the “ Closing virtual workshop on Undergraduate activities ”	Remotely	2	18	Enhance proficiency in written and oral communication within a particular field, utilizing specialized terminology
Total Hours			46	78	124

