

1L-14 SPECTROSCOPY LABORATORY

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General Information	UV-Vis absorption, fluorescence/phosphorescence emission and lifetime analysis-based studies are made in this laboratory	
Applications	<ul style="list-style-type: none">○ UV-Vis absorption analysis○ Fluorescence/phosphorescence emission analysis○ Fluorescence/phosphorescence lifetime○ Three dimensional (3D) emission○ Circular Dichroism analysis of organic and biological molecules○ Investigation of liquid crystalline behavior of the compounds○ Determination of optical activities of the molecules	
Laboratory Photo		
Equipment	<ul style="list-style-type: none">○ Circular Dichroism Spectrometry (Jasco J-815)○ Fluorescence Spectrometry (Varian Cary Eclipse)○ Fluorescence Spectrometry (new) Fluorolog -3 (Horiba-Jobin Yvon)○ UV Spectrometry (Shimadzu UV-1800)○ Polarimetry and Refractometer (Krüss-Optronic)○ Polarized Microscope (Leitz Orthoplan)○ Melting Point Aparatus (Mettler Toledo)○ Gas mixer (Sonimix)	
Projects	-	