Exciting New Course offered during FALL 2020 by the Department of Chemistry and Biochemistry

CHEM 579-002 (CRN: 81582)
Optical and Electron Microscopy
Tuesday 4:30-7:10pm, PLANET-310

Optical and Electron Microscopy is a course offered at the graduate level that aims to teach the fundamentals of optical and electron microscopy, and other hybrid characterization techniques commonly used in Material Science, Chemistry and Life Science. The course is composed of both theoretical and practical sections. Fundamentals of optical microscopy will include confocal and super-resolution techniques. The electron microscopy part will cover Transmission and Scanning Microscopy. The hybrid characterization techniques will include TEM/SEM/Energy-Dispersive X-ray (EDX), SEM/Focused Ion Beam (FIB), Confocal-Raman and SEM/Raman spectroscopy.