Chem 517
Fundamentals and Applications of Laser Induced Breakdown Spectroscopy (LIBS)

Course Schedual
2022-2023 Fall **Prof. Dr. S. H. Yalcin**

Date	SUBJECT
04-10-2022	-
11-10-2022	Introduction and History of LIBS
18-10-2022	LIBS Plasma Fundamentals, characteristics of the laser plasma
25-10-2022	LIBS Plasma Fundamentals, characteristics of the laser plasma
01-11-2022	LIBS apparatus (I) Lasers, optical systems, spectral resolution and detection
08-11-2022	LIBS apparatus (II) Lasers, optical systems, spectral resolution and detection
15-11-2022	LAB-VISIT-DEMO EXPERIMENTS
22-11-2022	STUDENT PRESENTATIONS
29-11-2022	Laser Ablation and analysis of solids by LIBS
21-12-2022	Analysis of gases by LIBS
06-12-2022	Analysis of liquids by LIBS
13-12-2022	Low-Pressure LIBS, LIBS under extreme conditions
20-12-2022	Double Pulse LIBS, Resonance Enhanced LIPS
27-12-2022	STUDENT PRESENTATIONS
03-01-2023	RECENT ADVANCES IN LIBS

- Reports are due on the NEXT WEEK of the presentation.