

1.3 Lecture and Conference Schedule

During the first six weeks of the subject, we will present a series of lectures on general background and theory relevant to the experiments. **Lectures will be held on Tuesdays and Thursdays from 10:00 – 11:00 a.m. in Room 32-144.**

A detailed discussion of each experiment will be presented to each laboratory group when they begin the experiment. The schedule for the general lectures and group conferences is given below.

<u>DATE</u>	<u>TOPIC (ALL SECTIONS)</u>	<u>LABORATORY CONFERENCES</u>		
		<u>(1 PM in Lab Bay, unless otherwise noted)</u>		
		<u>GROUP A</u>	<u>GROUP B</u>	<u>GROUP C</u>
W Sept 7	Introduction and Overview (to be arranged)	CHECK-IN STARTING 1:00 pm, 4-460		
Th Sept 8	MANDATORY SAFETY LECTURE (J. Doughty)	N₂ Scission Group A lab bay	Laser & NMR/ESR Group B lab bay	IR Group C lab bay
T Sept 13	Classical Description of Spectroscopy, part I			
Th Sept 15	Spectroscopy II			
T Sept 20	Vibrational Spectroscopy			
W Sept 21			Electronic Spectroscopy (1 PM; In Lab)	
Th Sept 22	Preparing Oral presentations (Prof. A. Banuazizi)			
F Sept 23				Analysis of Acetylene & Methane Spectra (1 PM in Lab)
T Sept 27	Inorganic Chemistry: Nitrogen Scission with Molybdenum Complexes			
Th Sept 29	Magnetic Resonance: NMR and ESR			

T Oct. 4	No lecture			
Th Oct 6	Review and discussion			
Second Rotation: F Oct 7		Laser & NMR/ESR Group A lab bay	IR Group B lab bay	N₂ Scission Group C lab bay
T Oct 11	Columbus's Birthday – No classes			
W Oct 12		Electronic Spectroscopy	Analysis of Acetylene & Methane Spectra	
Th Oct 13	No lecture			
T Oct 18	Everything revisited (if necessary)			
Th Oct 20				
T Oct 25				
Th Oct 27				
T Nov 1				
Th Nov 3				
Third Rotation: M Nov 8		IR Group A lab bay	N₂ Scission Group B lab bay	Laser & NMR/ESR Group C lab bay
T Nov 8				Electronic Spectroscopy
Th Nov 10				
T Nov 15		Analysis of Acetylene & Methane Spectra		
Th Nov 17				
T Nov 22				
Th Nov 24	<i>Thanksgiving Holiday</i> 🏠🍷			
T Nov 29				
Th Dec 1				
Th Dec 12	Check Out			