

## CHEM 4582: BIOCHEMISTRY LABORATORY II (FALL 2015)

Lectures:  
Labs:

Mondays  
Tuesdays, Wednesdays

1:05 – 1:55 pm  
1:05 – 6:55 pm

Mason Building, Room 3132  
Boggs Building, Room 2-59

Last Updated: August 11, 2015

Week #	Date	Lecture Period	Lab	DUE
1	August 17, 18, 20	Biological Buffers	<b>TA Training Week: Undergrads do not report to lab</b>	
2	August 24, 25, 27	Fluorescence and Circular Dichroism	Buffer and Solution Preparation for the Term Viewing Molecular Structures Tutorial	
3	August 31, Sep 1, 3	Protein Unfolding	Lab 1: Fluorescein as a Molecular Probe	
4	Sep 7, 8, 10	<b>SCHOOL HOLIDAY</b>	Lab 2: Protein Unfolding	Lab 1 – short
5	Sep 14, 15, 17	Ligand Binding	Lab 3: Threading Flavones – Ligand Binding	Lab 2 – long
6	Sep 21, 22, 24	PKC Study	Lab 4: Threading Flavones – PKC Activity Study	Lab 3 – long
7	Sep 28, 29, Oct 1	X-ray Crystallography	Lab 5: Threading Flavones – Molecular Modeling <a href="#">Group Project Experimental Design</a>	Lab 4 – long
8	Oct 5, 6, 8	X-ray Crystallography	Lab 6: Protein Crystallization <a href="#">Group Project Experimental Design</a>	Lab 5 – long
9	Oct 12, 13, 15	<b>Fall Break</b>	<b>Undergrads do not report to lab</b>	
10	Oct 19, 20, 22	Experimental Design	Lab 6b: Protein Crystallization <a href="#">Group Project Experimental Design</a>	
11	Oct 26, 27, 29	Enzyme Kinetics	Lab 7: Lactase Kinetics	Lab 6 – long
12	Nov 2, 3, 5	Enzyme Inhibition	Lab 8: Lactase Inhibition	Lab 7 – long
13	Nov 9, 10, 12	Guide to Giving Oral Presentations	<a href="#">Group Projects</a>	Lab 8 – short
14	Nov 16, 17, 19	Group Project Updates 2-min/group	<a href="#">Group Projects</a>	
15	Nov 23, 24, 26	Course Summary	<b>Thanksgiving Holiday</b>	
16	Nov 30, Dec 1, 3	<b>No Lecture Project Reports Due</b>	<b>End-of-Term Group Presentations</b> Boggs 2-90B Conference Room	

\*Lab reports are due in hard copy and electronically on T-Square at the beginning of the laboratory session unless otherwise specified.