ASSIGNMENT SCHEDULE: CHEM 435 – BIOCHEMISTRY LAB Tuesday/Thursday
The schedule is tentative and may change based on the pace of the class. *Be prepared to adjust depending on how projects proceed!*

Day	Block	Activity Description	Date	Prelab	HW	NB	Project	Writing
1	I	Course intro, lab book, solutions and dilutions review	Sep 2					
2	I	Spectroscopy & plate reader	Sep 7		HW1			
3	I	Protein assay, intro to project/hypothesis	Sep 9					
4	II	Intro to MDH, CS, protein interactions	Sep 14		HW2			
5	II	Recombinant protein expression and purification	Sep 16					
6	III	Bioinformatic and protein modeling	Sep 21		HW3			
7	III	Bioinformatic and protein modeling	Sep 23					
8	III	MDH-CS interaction hypothesis and protein assay planning/presentation	Oct 5				P1	W1
9	IV	Recombinant MDH, CS protein purification	Oct 7	PL1				
10	IV	Recombinant MDH, CS protein assay & SDS PAGE and westernblot I	Oct 12			NB1		
11	IV	Recombinant MDH, CS protein basic enzyme assay & westernblot II	Oct 14		HW4			
12	V	Experimental Design and Assay Development (specific details)	Oct 19					
13	V	Experimental Design and Assay Development (mini presentation)	Oct 21				P2	W2
14	VI	Determination of MDH specific activity (1.0 ml continuous assay)	Oct 26	PL2				
15	VI	Determination of MDH specific activity (1.0 ml continuous assay)	Oct 28					
16	VI	Km and Vmax determination of MDH using plate reader assay	Nov 2					W3
17	VI	Km and Vmax determination of MDH using plate reader assay	Nov 4					
18	VII	Independent project – test hypothesis	Nov 9		HW5		P3	
19	VII	Independent project – test hypothesis	Nov 11					Peer rev.
20	VII	Independent project – test hypothesis	Nov 16			NB2		
21	VII	Independent project – test hypothesis	Nov 18					W4
22	VII	Independent project – test hypothesis	Nov 23					
H		Thanksgiving – No class	Nov 25					
23	VII	Independent project – test hypothesis	Nov 30				P4	
24	VII	Independent project – test hypothesis	Dec 2					
26	VII	Independent project – test hypothesis	Dec 7					W5
26	VII	Independent project – test hypothesis and Clean Up	Dec 9					
		Final/Presentation – Thurs Dec 14, 2pm-4pm and Dec 16 11 am – 1 pm	Dec 14&16			NB3	P5	W6

PL = pre-lab assignment; HW = homework; NB = formal notebook grading; P = project-related assignments; W = writing assignments