DATE	TOPIC
1/12	Introduction to the lab. Protein purification lecture. Buffer calculations
1/14	LDH Ammonium Sulfate precipitation. Scientific writing
1/19	NO CLASS
1/21	Affinity chromatography Scientific journal club (LDH)
1/26	Bradford Assay/SDSPage Protein concentration calculations Peer Review Intro/Methods
1/28	Enzymology lecture Data management and Excel work.
2/2	Direct spectrophotometric assay to determine K_M (NAD^+) and k_{cat}
2/4	Indirect coupled assay to determine K_M (lactate)
2/9	Inhibition lecture. Peer Review whole paper (no inhibition)
2/11	Determination of K_i for oxamate
2/16	NO CLASS
2/18	Determination of K_i for oxalate
2/23	Data discussion
2/25	Peer Review whole paper (IN CLASS)
3/2	Final LDH paper due
3/4	Recombinant expression Lecture S6 permutations
3/9	Transform BL21(DE3), Agar, Autoclave Scientific journal club (S6)

3/11	Peer Review S6 Introduction (IN CLASS)
3/16-3/18	Spring Break
3/23	Bioinformatics and protein purification design
3/25	No Class
3/30	S6 purification
4/1	No Class
4/6	CD/Fluorescence equilibrium titrations Thermal melt Data manipulation
4/8	Data discussion
4/13	Peer Review Whole S6 paper (IN CLASS)
4/15	Review for Final
4/20	Final
4/22	Final S6 paper Due
4/27	
4/29	
5/4	