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**BCMB301A Laboratory Schedule Summer 2014**  
**Thursday 1:30-5:30pm & Friday 2:30 -4:30pm**

Week	Date	Lab(s)	Day 1	Day 2	Due Dates
1	May 8,9	Introduction Lab 1: Bioinformatics Lab 2: pH & Buffers Lab 3: Determination of Protein Concentration	Introduction Lab 1: Bioinformatics in CLE A105 (Comp. lab) Lab 3: Buffer Calculations	Safety Talk Lab 2: Buffer calculations Lab 3: Lowry solution prep	Day 1: Lab 3 Calculations Day 2: Lab 2 Calculations Academic Integrity Assignment (complete by Sun, May 11, by 11:59 pm)
2	May 15,16	Literature Exercise Lab 2: Buffer and pH	Lab 2: pH & Buffers	Literature Exercise (In Library Classroom 130)	Day 1: Lab 1 Summary Day 2: Calculation Exercise
3	May 22, 23	Lab 3: Determination of Protein Concentration	Lab 3: Biuret, Lowry, Bradford, A <sub>280</sub>		Day 1: Lab 2 Summary Day 2: Literature Exercise & Lab 3 Practical (due at 2:30pm)
4	May 29, 30	Lab 4: Purification of $\beta$ -galactosidase	Lab 4: AS precip, GPC, IEC		Day 1: Lab 3 Summary
5	June 5, 6	Lab 4: Purification of $\beta$ -galactosidase	Lab 4: Prepare & Run SDS-PAGE	Lab 4: Destain gel <b>Quiz on Labs 1-3</b>	
6	June 12,13	Lab 4: Purification of $\beta$ -galactosidase Lab 5: Hybridomas & Immunodetection	Lab 4: Lowry assay & $\beta$ -gal assay	Lab 5: Coat ELISA plate, Subculture hybridoma cells	
7	June 19,20	Lab 5: Hybridomas & Immunodetection	Lab 5: Harvest Secreted Antibody, ELISA		Day 1: Lab 4 Summary
8	June 26, 27	Lab 5: Hybridomas & Immunodetection	Lab 5: SDS-PAGE & Transfer	Lab 5: Image gel & Develop blot	Day 1: Antibody Titre Graph
9	July 3, 4	Lab 6: Reversible Enzyme Inhibition	Lab 6: Reversible Inhibition <b>Quiz on Labs 4-5</b>	Lab 6: Reversible Inhibition	Day 1: Lab 5 Summary
10	July 10,11	Hand-in Lab 6 Report			Day 1: Lab 6 Summary
11	July 17, 18		Final Exam in HHB 116 from 1:30-4:30pm		
12	July 24, 25				

## Evaluation

The final mark will be based on:

lab summaries	30%
lab journal	10%
practical assessment	10%
quizzes	15%
final exam	35%

Final grades will be strictly determined as follows:

90.00 – 100%	A+
85.00 – 89.99%	A
80.00 – 84.99%	A-
77.00 – 79.99%	B+
73.00 – 76.99%	B
70.00 – 72.99%	B-
65.00 – 69.99%	C+
60.00 – 64.99%	C
50.00 – 59.99%	D
≤ 49.99%	F
≤ 49.99%	N*

\*N is assigned if a student did not write the examination or complete course requirements by the end of the term or session. N is a failing grade, and it factors into a student's GPA as O. The maximum percentage that can accompany an N on a student's transcript is 49.