

October 2006

Section IV: MW 6-9:50



Hints of the month:

- trust your lab manuals. They are designed to give the best results
- do not plan on writing lab reports up a day before they are due
- know that we grade on the quality, not on the quantity of your work

Misc. Schedule	Lecture Schedule (Monday)					
Quiz: Exp. Design	 Lecture 1: Experiment Design Data Analysis DNA Studies	2		Lab 2: Experiment design: ε(urate) Quizzes: 1) data analysis and experiment design 2) computer visualization	4	
Quiz: Microscopy Work Due: Mol. Visualization (Oct 11)	Lecture 2: Microscopy Microscopy Demo in BioII 5173 3 PM (evening students only)	9	Microscopy Demo in BioII 5173 A: 2 PM B: 3 PM	Microscopy Demo in BioII 5173 A: 2 PM B: 3 PM All: Quiz at 6 PM	11	
Quiz: DNA labs Experiment Design [ε(urate)], (Oct 16) Work Due: Microscopy (Oct 18)	Lecture 3: Quantitative Analysis Labs 3-4: A: DNA denaturation B: DNA electrophoresis	16		Labs 3-4: A: DNA electrophoresis B: DNA denaturation	18	
Quiz: Proteomics Glucose determ.	Lecture 4: Genomics and proteomics Lab 7: Proteomics (1) All Groups: sample prep.	23		Lab 7: Proteomics (2) All Groups: isoelectric focussing	25	
Quiz: Electrophoresis. Work Due: DNA electrophoresis (Oct 30) Work Due: DNA denaturation (Nov 1)	Lecture 5: Protein electrophoresis Lab 7: Proteomics (3) All Groups: SDS-PAGE electrophoresis	30		Lab 7 Proteomics (4) All Groups: Gel development	1	

November-December 2006

Section IV: MW 6-9:50



Hints of the month:

- write up your lab reports as soon possible.
- talk with your TA/prof about how to improve your lab reports
- a good way to prepare for the exam is to review all lab materials, prelab questions, additional questions, quizzes and the lecture notes.

Misc. Schedule	Lecture Schedule (Monday)	Lab Schedule (Monday)	Lab Schedule (Wednesday)			
Quiz: Proteomics Work Due: DNA Denaturation (Nov 1)	Lecture 6: Protein Electrophoresis	Lab 7: 30 Proteomics (3) All Groups: SDS-PAGE electrophoresis	Lab 7 1 Proteomics (4) All Groups: Gel development			
Quiz: Glucose determ. TLC of sugars Work Due: Nothing this week	Lecture 7: Chromatography Carbohydrate analysis	Lab 6,8: 6 A: Glucose determination B: Analysis of sugars by TLC	Lab 6,8: 8 B: Glucose determination A: Analysis of sugars by TLC		Observing Veterans Day	
Quiz: NMR of lipids Work Due: Proteomics (Nov 13) Glucose Det. (Nov 15)	Lecture 8: Lipids & NMR	Labs 9,10: 13 A: NMR of lipids B: Chloroplast membranes (no quiz)	Labs 9, 10: 15 B: NMR of lipids A: Chloroplast membranes (no quiz)			
Quiz: Chloroplast membranes Work Due: TLC Analysis of sugars (Nov 20)	Lecture 9: Study of membranes and photo-synthesis	Lab 10: 20 All groups Chloroplast quiz Lab clean-up	22 Make-up day	Thanksgiving Holiday	Thanksgiving Holiday	
Quiz: Chloroplast membranes Work Due: NMR of lipids (Nov 27) Chloroplasts (Nov 29)	Lecture 10: Review for the final Class also meets on Dec 4	27 Make-up day	29 Make-up day			Final exam is scheduled for Tuesday Dec 12 in Phelps 3505 4 PM - 7 PM