October 2006

Section I: TR 2-5:50
Section II: TR 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: DNA (labs 3, 4); Exp. Design	Lecture 1: Experiment Design Data Analysis DNA Studies	3 Lab 2: Experiment design: ε(urate) Quizzes: 1) data analysis and experiment design, 2) computer visualization		5 Labs 3-4: A: DNA denaturation B: DNA electrophoresis		
Quiz: DNA (labs 3,4) Work Due: Mol. Visualization (Oct 12)	Lecture 2: Microscopy Microscopy Demo in BioII 5173 3 PM (evening students only)	10 Lab 5: Microscopy Demo in BioII 5173 Quiz A: 2 PM (evening students welcome) B: 3 PM (evening students welcome)		12 Labs 3-4: A: DNA electrophoresis B: DNA denaturation		
Quiz: Proteomics DNA labs Experiment Design [ε(urate)], (Oct 17) Work Due: Microscopy(Oct 19)	Lecture 3: Quantitative Analysis	17 Lab 6: A: glucose determination B: Make-up day		19 Lab 6: B: glucose determination A: Make-up day		
Quiz: Proteomics Glucose determ. Work Due: DNA electrophoresis (Oct 26)	Lecture 4: Genomics and proteomics	24 Lab 7: Proteomics (1) All Groups: sample preparation		26 Lab 7: Proteomics (2) All Groups: isoelectric focussing		
Quiz: Proteomics Electrophoresis Work Due: DNA denaturation (Oct 31)	Lecture 5: Protein electrophoresis	31 Lab 7: Proteomics (3) All Groups: SDS-PAGE electroforesis		Lab 7 Proteomics (4) All Groups: Gel development		

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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 materals, prelab questions, additional questions, quizzes and the lecture notes.

Misc. Schedule	Lecture Schedule (Monday)					
Quiz: Proteomics Electrophoresis Work Due: DNA Denaturation	30 Lecture 6: Protein Electrophoresis	Lab 7: 31 All: Proteomics (3) SDS-PAGE electroforesis		Lab 7: 2 All: Proteomics (4) Gel development		
Quiz: TLC of sugars Work Due: Glucose Det (Nov 7)	6 Lecture 7: Chromatography Carbohydrate Analysis	Labs 8: 7 B: Analysis of sugars by TLC A: Make-up day		Labs 8: 9 A: Analysis of sugars by TLC B: Make-up day	Observing Veterans Day	
Quiz: NMR of lipids Work Due: Proteomics (Nov 14)	13 Lecture 8: Lipids & NMR	Labs 9, 10: 14 A: NMR of lipids B: Photosynthesis at chloroplast membranes (no quiz)		Labs 9, 10: 16 B: NMR of lipids A: Photosynthesis at chloroplast membranes (no quiz)		
Quiz: Chloroplasts Work Due: Analysis of sugars (Nov 21)	20 Lecture 9: Study of membranes and photo-synthesis	21 All groups: Chloroplast quiz Lab clean-up		23 Thanksgiving Holiday	25 Thanksgiving Holiday	
Quiz: No Quiz Work Due: NMR of lipids (Nov 27: Monday) Chloroplasts (Nov 30)	27 Lecture 10: Review for the final Class also meets on Dec 4	28 Make-up day	29	30 Make-up day	1	Final exam is scheduled for Tuesday Dec 12 in Phelps 3505 4 PM - 7 PM