

(Mount this Table of Contents on the first page (page *i*) of your lab notebook.)

CELL BIOLOGY 301

Syllabus and Laboratory Handouts

Autumn Quarter, 2011

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rvsd 17 Sept97, 20 Sept 99, 17 Sept 00, 20 Sept 01, 23 Sept 03, 19Sept04, 19Sept05, 13Sept07, 8Sept09, 17Sept10, 9Sept11

http://biology.clc.uc.edu/fankhauser/Labs/Cell_Biology/Cell_Bio_Table_Contents.htm

page in NB:

- page *i* 1. Table of Contents [Mount on first page of your Lab Notebook.]
2. Syllabus: Cell Biology 301 [Mount inside the front cover of your textbook.]
3. How to Take a Fankhauser Cell Biology Course
4. Wordstems for Cell Biology, by quizzes and tests
5. Meanings of Wordstems for Cell Biology, cumulative
6. Study Groups: Towards Effective Peer Education
7. Group Report Form

FOR THE LAB NOTEBOOK:

- front cover 8. Lab Activities: Schedule for Cell Biology 301 Lab
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_____ 10. Format Suggestions for Table of Contents
_____ 11. Use of Contact Paper for Mounting Handouts and Specimens
_____ 12. Notebook Illustrations
_____ 13. Sample First Notebook Grade Sheet, from previous year
_____ 14. Sample Second Notebook Grade Sheet, from previous year
_____ 15. a: The Binocular Microscope: Its Features and Care
_____ 15. b: Microscope Storage Gradesheet
_____ 16. How to View a Slide: Using and Evaluating the Microscope
_____ 17. a: Cell Structure in a Leaf Cross Section
_____ 17. b: Cells: the Functional Units of Organisms
_____ 18. Bacterial Flora of Teeth: Cells Found in Tooth Scrapings
_____ 19. Protein Assay by Microbiuret: Standardization
_____ 20. Sample Layout of an Experiment (Protein Conc. in Unknowns by Microbiuret)
_____ 21. Spectrophotometer Use
a b 22. a: Graph Construction; b: Making a Graph
_____ 23. Sample Math Problems for Cell Biology
_____ 24a. Displacement Pipettors: Their Care & Use
_____ 24b. Practice Using the Pipetter's Features
_____ 25. Enzyme Assay: Lactase
_____ 26. Reagents, Materials and Calculations for Lactase Enzyme Assay
_____ 27. Lactase: Comparison of Content in Brands
_____ 28. Lactase pH Optimum
_____ 29. Glycolysis/Fermentation with Molecular Models
_____ 30. Krebs Cycle with Molecular Models
_____ 31. Protocol for Lineweaver-Burk Plot: Lactase Kinetics
_____ 32a. Isolation of Chloroplasts by Differential Centrifugation
_____ 32b. Table for recording A_{660} according to times for reduction of DCIP
_____ 33. Chloroplast Reduction of Indophenol in Light