

Bio 1A Syllabus

Spring 2016

Lecture

1/25	Intro
1/27	Ch 1, Ch 2 (review)
1/29	Ch 3 Water properties
2/1	Ch 4 Carbon Properties
2/3	Ch 5 Macromolecules
2/5	Ch 5 cont
2/8	Ch 8 Metabolism
2/10	Ch 8cont
2/12	Holiday
2/15	Holiday
2/17	Ch 6 Cells
2/19	Ch 6 cont, Ch 36, 40 tissues
2/22	Ch 7 Membrane Structure
2/24	Ch 7 cont
2/26	Ch 9 Cell respiration
2/29	Ch 9 cont
3/2	Ch 10 Photosynthesis
3/4	Ch 10 Photosynthesis
3/7	Ch12 Mitosis
3/9	Ch 12 Mitosis
3/11	Ch11 Cell Communication
3/14	Ch 13 Meiosis
3/16	Ch 13 cont
3/18	Ch 14 Genetics

Spring Break 3/21-3/27

3/28	Ch 14 cont
3/30	Ch 14 Genetics
4/1	Ch 15 More Genetics
4/4	Ch 15 More Genetics
4/6	Ch 15 DNA
4/8	Ch 16 DNA

Lab

1/26	Process of Science#
1/28	Properties of Water Syllabus quiz due
2/2	Acids and Bases*
2/4	Properties of Enzymes
2/9	Enzymes in Detergents
2/11	Macromolecules*
2/16	Exam # 1 Ch 1-5, 8
2/18	Plant Cells and Tissues Microscope quiz
2/23	Animal Cells and Tissues
2/25	Cell Membranes*
3/1	Cell respiration
3/3	Photosynthesis
3/8	Photo/Cell resp Posters#
3/10	Mitosis
3/15	Review
3/17	Exam # 2: Ch6, 7, 9-12
3/29	Meiosis
3/31	Exploring Genetics
4/5	Genetics Problem Set#
4/7	Race for the Double Helix#

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4/11	Ch 17 DNA to protein	4/12	Learning about DNA
4/13	Ch 17 cont	4/14	DNA and protein synthesis
4/15	Ch 19 Viruses		
4/18	Ch 20 DNA Technology	4/19	Exam # 3 Ch 13-17
4/20	Ch 20 DNA Technology	4/21	Biotech Dilemmas
4/22	Ch 20 DNA technology		
4/25	Ch 43 Immune	4/26	Gel Electrophoresis I
4/27	Ch 43 Immune	4/28	Gel Electrophoresis II*
4/29	Ch 43 Immune		
5/2	Ch 46 Reproduction	5/3	Field Trip to UC Berkeley
5/4	Ch 46 Reproduction	5/5	Antibody and Antigen *
5/6	Ch 46 Reproduction		
5/9	Ch 46 Reproduction	5/10	Animal Reproductinn
5/11	Ch 46 Circulatory	5/12	Circulatory System
5/13	Ch 42 Circulation		
5/16	Ch 42 cont	5/17	Review
5/18	Seminar Discussion	5/19	Exam # 4 Ch 20,42,43,46
5/20	Malcolm X Holiday		

Tuesday 12/24 12-3 Cumulative Final

Due Dates

- 1) 4 Formal labs due – these are the labs with an asterisk. They are due 1 week after the lab was completed and will be graded at 25, 20, 15 points
- 2) Informal Labs – questions and/or sketches will be turned in for these labs at the next lab meeting. They are graded at 10,7 or 5 points
- 3) Labs marked with (#) do not turn in a lab report
- 4) Field Trip Report due Exam #4– newspaper article reporting the event and graded at maximum 20 points.
- 5) Online quizzes Syllabus quiz due 1/28 Microscope Quiz Due by 2/18
- 6) Genetics Problem set due 4/7
- 7) Seminar Discussion paper “The Double Helix” due 5/18