

Bio 1A Syllabus

Spring 2013

Lecture		Lab	
		1/22	Intro
1/23	Ch 2 Chemistry	1/24	Ch 2, 3#
1/25	Ch 3 Water properties		
1/28	Ch 4 Carbon properties	1/29	Ex. 9 Properties of water
1/30	Ch 5 Macromolecules	1/31	Ex. 5 Acids and Bases*
2/1	Ch 5 cont		
2/4	Ch 8 Metabolism	2/5	Enzymes in Laundry Detergent
2/6	Ch 8 Metabolism	2/7	Ex. 6 Macromolecules*
2/8	Ch 6 Cells		
2/11	Ch 6 cont	2/12	Review
2/13	Ch 7 Membrane Structure	2/14	Exam # 1 Ch 1-5,8
2/15	Holiday		
2/18	Holiday	2/19	Ex. 4, 32 Plant Cells, tissues
2/20	Ch 7 Membrane Structure	2/21	Ex. 4, 41 Animals Cells, Tissues
2/22	Ch 9 Cell respiration		
2/25	Ch 9 cont	2/26	Ex. 10 Stress and Membrane*
2/27	Ch 10 Photosynthesis	2/28	Ex. 12 Cell respiration
3/1	Ch 10 cont		
3/4	Ch 12 Mitosis	3/5	Ex. 13 Photosynthesis
3/6	Ch 12 Mitosis	3/7	Photosynthesis/Cell Resp.
3/8	Ch 11 Cell Communication		
3/11	Ch. 13 Meiosis	3/12	Ex. 14 Mitosis
3/13	Ch 13 cont	3/14	Review
3/15	Ch 14 Genetics		
3/18	Ch 14 cont	3/19	Exam # 2 Ch 6,7,9-12
3/20	Ch 14 cont	3/21	Ex. 15 Meiosis
3/22	Ch 15 More Genetics		

3/25 – 3/29 Spring Break

4/1	Ch 15	4/2	Ex. 17 Genetics
4/3	Ch 16 DNA	4/4	Genetics Problem Set #
4/5	Ch 16 cont		
4/8	Ch 17 DNA to protein	4/9	Double Helix Movie#
4/10	Ch 17 cont	4/11	Ex. 16 DNA isolation
4/12	Ch 19 Viruses		
4/15	Ch 20 DNA Technology	4/16	DNA and protein synthesis
4/17	Ch 20	4/18	Exam # 3 Ch 13-17
4/19	Ch 20		

4/22	Ch 43 Immune system	4/23	Ex. 7 Gel Electrophoresis part 1
4/24	Ch 43 cont	4/25	Ex 7 Gel Elect part 2*
4/26	Ch 43		
4/29	Ch 46 Reproduction	4/30	Field Trip to UC Berkeley
5/1	Ch 46 cont	5/2	Biotech Ethics and dilemmas
5/3	Ch 46 cont		
5/6	Ch 42 Circulatory	5/7	Transmission of Disease*
5/8	Ch 42 cont	5/9	Ex. 45 Circulatory
5/10	Ch 42 cont		
5/13	Ch 42 cont	5/14	Review
5/15	Discussion of Watson's Book	5/16	Exam # 4, Ch 20, 42,43,46

Tuesday 5/21 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, need to follow the lab report format and will be graded at 25, 20, 15 points
- 2) 10 Informal labs – questions and/or sketches will be turned in for these labs at the next lab meeting. They are graded at 10 or 5 points.
- 3) Labs with a # are not to be turned in.
- 4) Field Trip Report due by exam # 2 – newspaper article reporting the event and graded at 25, 20 or 15 points
- 5) Genetics problem set due 4/9
- 6) Seminar Discussion paper due 5/15