Bio 1A Syllabus Spring 2015

Lecture Lab

1/20 Intro

1/21 Ch 2 Chemistry 1/22 Process of Science#

1/23 Ch 3 Water properties syllabus quiz due

1/26 Ch 4 Carbon properties 1/27 Properties of water

1/28 Ch 5 Macromolecules 1/29 Acids and Bases\*

1/30 Ch 5 cont

2/2 Ch 8 Metabolism 2/3 Enzyme Activity

2/4 Ch 8 Metabolism 2/5 Testing Macromolecules\*

2/6 Ch 6 Cells

2/9 Ch 6 cont 2/11 Review

2/11 Ch 7 Membrane Structure 2/13 **Exam # 1 Ch 1-5,8**

2/13 **Holiday**

2/16 **Holiday** 2/17 Plant cells and Tissues, Micro quiz

2/18 Ch 7 Membrane Structure 2/19 Animals Cells, Tissues

2/20 Ch 9 Cell respiration

2/23 Ch 9 cont 2/24 Cell Membrane response to Stress\*

2/25 Ch 10 Photosynthesis 2/26 Fermentation and Cell respiration

2/27 Ch 10 cont

3/2 Ch 12 Mitosis 3/3 Photosynthesis

3/4 Ch 12 Mitosis 3/5 Mitosis and Cell division

3/6 Ch 11 Cell Communication

3/9 Ch. 13 Meiosis 3/10 Review

3/11 Ch 13 cont 3/12 **Exam # 2 Ch 6,7,9-12**

3/13 Ch 14 Genetics

3/16 Ch 14 cont 3/17 Meiosis

3/18 Ch 14 cont 3/19 Exploring Genetics

3/20 Ch 15 More Genetics

3/23 Ch 15 3/24 Genetics problem Set #

3/25 Ch 16 DNA 3/26 Double Helix Movie#

3/27 Ch 16 cont

**Spring Break 3/30 – 4/3**

4/6 Ch 17 DNA to protein 4/7 Learning about DNA

4/8 Ch 17 DNA to protein 4/9 DNA and protein synthesis

4/10 Ch 19 Viruses

4/13 Ch 20 DNA Technology 4/14 Biotech Ethics and Dilemmas

4/15 Ch 20 4/16 **Exam # 3 Ch 13-17**

4/17 Ch 20

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4/20 Ch 43 Immune system 4/21 Gel Electrophoresis part 1

4/22 Ch 43 cont 4/23 Gel Elect part 2\*

4/24 Ch 43

4/27 Ch 46 Reproduction 4/28 Field Trip to UC Berkeley

4/29 Ch 46 cont 4/30 Antibody and Antigen interactions\*

5/1 Ch 46 cont

5/4 Ch 42 Circulatory 5/5 Reproduction in Animals

5/6 Ch 42 cont 5/7 Circulatory systems

5/8 Ch 42 cont

5/11 Ch 42 cont 5/12 Review

5/13 Discussion of Watson’s Book 5/14 **Exam # 4, Ch 20, 42,43,46**

5/15 **Malcolm X Holiday**

**Tuesday 5/19 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 # 4 – newspaper article reporting the event and graded at 25, 20 or 15 points
5. Genetics problem set due 3/26
6. Seminar Discussion paper due 5/13