

BIOLOGY 1308 Biology Concepts for the Health Pre-Professional
SECTIONS 011, RGC CAMPUS, Rm. 135, SPRING, 2010 CHARLES BEAMAN, Instructor

LECTURE SCHEDULE (Monday – Wednesday))

THIS IS A TENTATIVE SCHEDULE AND SOME ADJUSTMENTS MAY BE NECESSARY. The test dates though are firm. You may take the comp. final at any time in the testing center – the Anatomy Assessment test – the sooner you take it the more likely you are to get the anatomy class you need for summer sessions)

DATE LECTURE TOPICS

UNIT 1: Chapters 1-4

2/15 **ORIENTATION/INTRODUCTION**, Chapter 1, **Metric system primer**, math examples
2/17 Chapter 2, Molecules of Cells, Basic Chemistry
2/22 Chapter 3, Cell Structure and Function
2/24 Chapter 3 continued, Chapter 4, Membrane Structure and Function
3/1 Chapter 4 continued, Review and prepare for test
3/3 **EXAM 1**, first hour, **Begin unit 2, Chapter 5**

UNIT 2: Chapters 5 -7

3/8 Chapter 5, Cell division, Mitosis and Meiosis
3/10 Chapter 6, Metabolism - Enzymes – Energy (the hard stuff)
3/15 -3/21 **Spring break**
3/22 Review Chapter 6, Chapter 7, Cellular respiration, Glycolysis, TCA cycle, Electron transport
3/24 Chapter 7 continued (more of the really hard stuff), short comparison with Photosynthesis (Ch. 8)
3/29 **EXAM 2**, first hour, **Begin Unit 3, Chapter 11**

UNIT 3: Chapters 11 - 16

3/31 Chapter 11, Human Organization: tissues, organs, organ systems etc.
4/5 Chapter 12, Cardiovascular system, Chapter 13, Lymphatic and Immune Systems
4/7 Chapter 14, Digestive system, Chapter 15, Respiratory System
4/12 Chapter 16, Urinary system and Excretion
4/14 Review and catch up for Test (**and prep for assessment test – take it in testing center**)
4/19 **EXAM 3**, first hour, begin unit 4

UNIT 4: Chapters 17 – 21, 24

4/21 Chapter 17-18, Nervous System, and Senses
4/26 Chapter 19, Musculoskeletal system, Chapter 20, Endocrine system
4/28 Chapter 21, Reproductive system (our most favorite), Chapter 24, DNA Bio-Technology, Gene expression
5/3 Wrap up, DNA, cloning, genomics, current issues about Genomics
5/5 **Go over all materials related to assessment test for those who have not taken it yet in testing center**
5/10 **EXAM 4**
5/12 **COMPREHENSIVE FINAL (Anatomy Assessment Test) for those who have not taken it**

LAST DAY TO DROP – April 26th – REMEMBER, STUDENT MUST DROP THE CLASS, INSTRUCTOR DOES NOT DROP STUDENTS

*******This is a 12 week class. The pace is fast and furious and you must not miss class or get behind.*******