Reedley College – Biology 5 ­– #51212

Fall 2016 Tentative Lecture and Lab Schedule

*Human Biology* (Mader & Windelspecht, 14e)

Lecture meets TTh 6:00 p.m. to 7:15 p.m. Lab meets on TTh 7:25 p.m. to 8:15 p.m. .

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| Week | Date (Tuesday) | Lecture Topics (TTh) | Lab Material (Th) |
| 1 | August 16 | Introduction(1) Exploring Life(2) Chemistry of LifeChemistry Worksheet | Lab 2 - Metric SystemLab 3 - Light Microscopy Plate #1 – Letter E and Cheek Cells |
| 2 | August 23 | (2) Chemistry of Life (cont'd)(3) Cell Structure and Function | Lab Safety Lab 4 - Chemical Composition of Cells In class – Quiz 1 – Ch. 2 |
| 3 | August 30 | (3) Cell Structure and Function (cont'd)(4) Organization and Regulation of Body Systems | Lab 5 - Cell Structure and Function Plate #2 – The Animal Cell\*\* Quiz 2 – Ch. 3 (8-25 to 9-11) |
| 4 | September 6Monday, Sept. 5Labor Day – No Classes | (4) Organization and Regulation of Body Systems (cont'd)Review | Lab 6 - Body Tissues Plate #3 – Epithelial Tissue Plate #4 – Connective Tissue |
| 5 | September 13 | Lecture/Lab Exam 1 – (Ch. 1,2,3,4 and Labs 3,4,5 and Metrics) (5) Heart and Blood Vessels | Lab 7 - Organization of the Body\*\* Quiz 3 – Ch. 5 (9-15 to 10-2) |
| 6 | September 20 | (5) Heart and Blood Vessels (cont'd)(6) Blood Plate #6 – Types of Blood Cells | Lab 8 - Cardiovascular System Plate #5 – Structure of the HeartIn class – Heart Quiz |
| 7 | September 27 | (7) Lymphatic and Immune Systems and (8) Infectious Diseases (9) Digestive System and Nutrition  | Lab 9 – Digestive EnzymesIn class – Quiz 4 – Ch. 9 Plate #7 – Tissues of the Small Intestine |
| 8 | October 4 | (9) Digestive System and Nutrition (cont’d) Review –  | Lecture/Lab Exam 2 - (Ch. 5,6,7,9 and Labs 6,7,8) |
| 9 | October 11 | (10) Respiratory System Spirogram(11) Urinary System | Lab 11 – Homeostasis Plate #8 – Structure of the Nephron\*\* Quiz 5 – Ch. 11 (10-2 to 10-13) |

October 14 (Friday) – Last day to drop a Fall 2016 class. \*\*On-line Quiz Electronic Smartbook

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| Week | Date (Tuesday) | Lecture Topics (TTh) | Lab Material (Th) |
| 10 | October 18 | (12) Skeletal System(13) Muscular System | Lab 12 - Musculoskeletal SystemIn class – Bones and Muscles Quiz |
| 11 | October 25 | Lecture/Lab Exam 3 –(Ch.10,11,12,13 and Labs 11,12) (14) Nervous System | Lab 13 – The Nervous System and Senses Plate #9 – Lobes of the Brain\*\* Quiz 7 – Ch. 14 (10-27 to 11-6) |
| 12 | November 1  | (15) Senses(16) Endocrine System(17) Reproductive System | Pig Dissection |
| 13 | November 8Friday, Nov. 11 – Veterans DayNo classes; campus open | (18) Human Development(19) Cell Division - Chromosome Inheritance | Lab 14 – Reproduction and DevelopmentIn class – Quiz 8 – Ch. 17\*\* Quiz 9 – Ch. 19 (11-10 to 11-20) |
| 14 | November 15 | Lecture/Lab Exam 4 – (Ch. 14,15,16,17,19 and Labs 13,14)(21) Genetic Inheritance | Lab 15 - Mitosis and Meiosis Plate #10 – Phases of MitosisMitosis Quiz |
| 15 | November 22 | Genetics Problems(22) DNA Biology and Technology | Nov.24 – Thanksgiving Day |
| 16 | November 29 | (23) Human Evolution (24) Global Ecology and Human Interferences | Lab 18 - Human Evolution\*\* Quiz 10 – Ch. 22 |
| 17 | December 6 | (25) Human Population, Planetary Resources, and Conservation | DVD –"An Inconvenient Truth" |
| 18 | December 13 | No Class | Final Lecture Exam –(Ch. 21,22,23,24,25 and Labs 15,18,Genetics Problems & comprehensive) |
| Finals Week: Final Lecture Exam (150 points – comprehensive), Tues., December 13, 6:00-8:15 p.m. |

This schedule is tentative and may change depending on the needs of instruction, the class, or the instructor. \*\*On-line Quiz Electronic Smartbook