Reedley College – Biology 5 ­– #53380

Spring 2017 Tentative Lecture and Lab Schedule

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

Lecture and Lab meet TTh in LFS-C from 6:00 p.m. to 8:45 p.m. **LS** – Learnsmart Chapters

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| Week | Date (Tuesday) | Lecture Topics (T) | Lab Material (Th) |
| 1 | January 10 | Introduction  (1) Exploring Life & Science **LS**  (2) Chemistry of Life  Chemistry Worksheet | Metric System  Lab 3 - Light Microscopy  Plate #1 – Letter E and Cheek Cells |
| 2 | January 17  Monday, Jan. 16 MLK Day – No classes; campus closed | (2) Chemistry of Life (cont'd)  (3) Cell Structure and Function **LS** | Lab Safety  Lab 4 - Chemical Composition of Cells  In class – Quiz 1 – Ch. 1 & 2 |
| 3 | January 24 | (3) Cell Structure and Function (cont'd)  (4) Organization and Regulation of Body Systems **LS-XC** | Lab 5 - Cell Structure and Function  Plate #2 – The Animal Cell  \*\* Quiz 2 – Ch. 3 (1-19 to 2-1) |
| 4 | January 31 | (4) Organization and Regulation of Body Systems (cont'd)  Review | Lab 6 - Body Tissues  Plate #3 – Epithelial Tissue  Plate #4 – Connective Tissue |
| 5 | February 7 | Lecture/Lab Exam 1 –  (Ch. 1,2,3,4 and Labs 3,4,5 and Metrics) | (5) Cardiovascular: Heart and Blood Vessels **LS** \*\* Quiz 3 – Ch. 5 (2-9 to 2-22) |
| 6 | February 14  Friday, Feb. 17 – Lincoln Day No classes; campus closed | (5) Heart and Blood Vessels (cont'd)  (6) Blood **LS-XC**  Plate #6 – Types of Blood Cells | Lab 8 - Cardiovascular System  Plate #5 – Structure of the Heart  In class – Heart Quiz |
| 7 | February 21  Monday, Feb. 20 – Washington Day No classes; campus closed | (7) Lymphatic and Immune Systems **LS-XC** and (8) Infectious Diseases    (9) Digestive System and Nutrition  **LS** | Lab 9 – Digestive Enzymes  In class – Quiz 4 – Ch. 9  Plate #7 – Tissues of the Small Intestine |
| 8 | February 28 | (9) Digestive System and Nutrition (cont’d)  Review – | Lecture/Lab Exam 2 -  (Ch. 5,6,7,9 and Labs 6,7,8) |
| 9 | March 7 | (10) Respiratory System **LS**  Spirogram  (11) Urinary System  **LS** | Lab 11 – Homeostasis Plate #8 – Structure of the Nephron  \*\* Quiz 5 – Ch. 11 |

March 10 (Friday) – Last day to drop a Fall 2017 class. \*\*On-line Quiz – Connect Smartbook

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| Week | Date (Tuesday) | Lecture Topics (TTh) | Lab Material (Th) |
| 10 | March 14 | (12) Skeletal System **LS**  (13) Muscular System **LS-XC** | Lab 12 - Musculoskeletal System  In class – Bones and Muscles Quiz |
| 11 | March 21 | Lecture/Lab Exam 3 – (Ch.10,11,12,13 and Labs 11,12)  (14) Nervous System **LS** | Lab 13 – The Nervous System and Senses  Plate #9 – Lobes of the Brain  \*\* Quiz 7 – Ch. 14  (3-23 to 4-6) |
| 12 | March 28 | (15) Senses  (16) Endocrine System **LS**  (17) Reproductive System **LS** | Lab 7 – Pig Dissection |
| 13 | April 4 | (19) Cell Division - Chromosome Inheritance **LS** | Lab 14 – Reproduction and Development  In class – Quiz 8 – Ch. 17  \*\* Quiz 9 – Ch. 19 (4-5 to 4-19) |
|  | Monday, April 10  to Friday, April 14 | Spring Recess | No classes held; campus open |
| 14 | April 18 | Lecture/Lab Exam 4 –  (Ch. 14,15,16,17,19 and Labs 13,14)  (21) Genetic Inheritance **LS-XC** | Lab 15 - Mitosis and Meiosis  Plate #10 – Phases of Mitosis  Mitosis / Microscope Quiz |
| 15 | April 25 | (22) DNA Biology and Technology **LS** | Genetics Problems  In class – Quiz 10 – Ch. 22 |
| 16 | May 2 | (23) Human Evolution    (24) Global Ecology and Human Interferences **LS-XC** | Lab 18 - Human Evolution  In class – Quiz 11 – Ch. 23 |
| 17 | May 9 | (25) Human Population, Planetary Resources, and Conservation | DVD –  "An Inconvenient Truth"  In class – Quiz 12 – Ch. 24 |
| 18 | May 16 | Final Lecture Exam – (Ch. 21,22,23,24,25 and Labs 15,18, Genetics Problems, DVD & comprehensiv | No class. |
| 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. **LS-5pts** **LS-XC-4 pts** \*\*On-line Quiz Electronic Smartbook