Reedley College – Biology 5 ­– #51209 MW6

Spring 2016 Tentative Lecture and Lab Schedule

Human Biology (Mader & Windelspecht, 14e)

Lecture and Lab meets MW 6:00-8:15 p.m. in LFS-17.

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| Week | Date (Monday) | Lecture Topics (MW) | Lab Material (Wed.) |
| 1 | January 11 | Introduction  (1) Exploring Life and Science  (2) Chemistry of Life | The Metric System  Lab 3 - Light Microscopy  Plate #1 – Letter E and Cheek Cells |
| 2 | January 18 | Monday – MLK Day No classes held, campus closed. | (2) Chemistry of Life (cont'd)  Quiz 1 – Ch. 2 (in class) |
| 3 | January 25 | (3) Cell Structure and Function | Safety  Lab 4 - Chemical Composition of Cells |
| 4 | February 1 | (4) Organization and Regulation of Body Systems  Review | Lab 5 - Cell Structure and Function  Plate #2 – The Animal Cell  \*\*\*On-line Quiz 2 – Ch. 3 |
| 5 | February 8 | Lecture and Lab Exam 1 –  (Ch. 1,2,3,4 and Labs 3,4,5)  (5) Heart and Blood Vessels  Friday – Lincoln Day No classes held, campus closed | Lab 6 - Body Tissues  Plate #3 – Epithelial Tissue  Plate #4 – Connective Tissue |
| 6 | February 15 | Monday – Washington Day No classes held, campus closed | 5) Heart and Blood Vessels (cont’d)  \*\*\*On-line Quiz 3 – Ch. 5 |
| 7 | February 22 | (6) Blood  Plate #7 – Types of Blood Cells  (7) Lymphatic System and  Immunity | Lab 7 - Organization of the Body  Virtual Pig Dissection  Plate #5 – Tissues of the Small Intestine |
| 8 | February 29 | (9) Digestive System and Nutrition  10) Respiratory System Spirogram | Lab 8 - Cardiovascular System  Plate #6 – Structure of the Heart  Quiz 4 – Ch. 9 (in class) |
| 9 | March 7 | (Lecture and Lab Exam 2 – (Ch. 5,6,7,9 and Labs 6,7,8)  (11) Urinary System and Excretion | Lab 11 - Homeostasis  Plate #8 – Structure of the Nephron  \*\*\*On-line Quiz 5 – Ch.11 |

March 11 (F) – Last day to drop a Spring 2016 class. \*\*\*On-line quiz through Smartbook.

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| Week | Date (Monday) | Lecture Topics (MW) | Lab Material (Wed.) |
| 10 | March 14 | (12) Skeletal System  (13) Muscular System | Lab 12 - Musculoskeletal System  Skeleton Quiz/Muscle Quiz  (in class)  \*\*\*On-line Quiz 6 – Ch. 13 |
|  | March 21 – 25 | Spring Recess  No classes held,  campus open M-Th | Spring Recess – No Lab |
| 11 | March 28 | Lecture and Lab Exam 3 – (Ch. 10,11,12,13 and Labs 11,12) | (14) Nervous System  Plate #9 – Lobes of the Brain  \*\*\*On-line Quiz 7 – Ch. 14 |
| 12 | April 4 | (15) Senses  (16) Endocrine System | Lab 13 – Nervous System and Senses |
| 13 | April 11 | (17) Reproductive System  (18) Development and Aging | Lab 14 - Reproduction and Development  \*\*\*On-line Quiz 8 – Ch. 17 |
| 14 | April 18 | (19) Cell Division – Chromosome Inheritance  (21) Patterns of Genetic Inheritance | Lab 15 - Mitosis and Meiosis  Plate #10 – Phases of Mitosis  \*\*\*On-line Quiz 9 – Ch. 19 |
| 15 | April 25 | Lecture and Lab Exam 4 –  (Ch. 14,15,16,17 and  Labs 13,14)  (22) DNA Biology and Technology | Genetics Problems  Genetics Problem Quiz (in class)  \*\*\*On-line Quiz 10 – Ch. 22 |
| 16 | May 2 | (23) Human Evolution  (24) Global Ecology and Human Interferences | Lab 18 - Human Evolution  Quiz 11 – Ch. 23 (in class) |
| 17 | May 9 | (25) Human Population, Planetary Resources, and Conservation | DVD – "An Inconvenient Truth"  Quiz 12 – Ch. 24 & 25 (in class) |
| 18 | May 16 | Final Exam – Lecture and Lab (Ch. 19,21,22,23,24,25 and Labs 15,18, Genetics Problems, DVD & comprehensive) | Finals Week ­­– No Lab |
| Finals Week: Final Lecture/Lab Exam (150 points – comprehensive), Monday, May 16, 6:00 p.m. | | | |
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This schedule is tentative and may change depending on the needs of instruction, the class, or the instructor.