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 SystemLab 3 - Light Microscopy Plate #1 – Letter E and Cheek Cells |
| 2 | January 18 | Monday – MLK DayNo classes held, campus closed.   | (2) Chemistry of Life (cont'd)Quiz 1 – Ch. 2 (in class) |
| 3 | January 25 | (3) Cell Structure and Function  | SafetyLab 4 - Chemical Composition of Cells  |
| 4 | February 1 | (4) Organization and Regulation of Body SystemsReview | Lab 5 - Cell Structure and FunctionPlate #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 DayNo classes held, campus closed | Lab 6 - Body TissuesPlate #3 – Epithelial TissuePlate #4 – Connective Tissue |
| 6 | February 15 | Monday – Washington DayNo classes held, campus closed  | 5) Heart and Blood Vessels (cont’d)\*\*\*On-line Quiz 3 – Ch. 5 |
| 7 | February 22 | (6) BloodPlate #7 – Types of Blood Cells(7) Lymphatic System and Immunity  | Lab 7 - Organization of the BodyVirtual Pig DissectionPlate #5 – Tissues of the Small Intestine |
| 8 | February 29 | (9) Digestive System and Nutrition 10) Respiratory SystemSpirogram | Lab 8 - Cardiovascular System Plate #6 – Structure of the HeartQuiz 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 SystemSkeleton 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 MeiosisPlate #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 ProblemsGenetics 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 EvolutionQuiz 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.