

## BIOSC 11 Schedule

| Week | Lecture Activities   | Dates | Lab Activities   |
|------|--|-------|--|
| 1    | The Scientific Method<br>Chemistry<br>Cells<br>View Ch. 1, Ch. 2, Ch. 3 presentations<br>Read Ch. 1, Ch. 2, Ch. 3<br><b>Complete Quizzes 1, 2 &amp; 3 by 6/9 (2:00 PM)</b>   | 6/7   | Mandatory introductory meeting<br>Microscopy<br>2.1: Microscopy<br>2.3: Light microscopes<br>2.4: Microscopic observations   |
|      |  | 6/9   | DNA<br>17.1: DNA structure and replication<br>17.2: RNA structure<br>17.2: DNA and protein synthesis<br>Cell structure and function<br>4.1: Anatomy of a human cell<br>4.2: Diffusion of solutes<br>4.3: Osmosis   |
| 2    | Genes<br>Tissues<br>View Ch. 4, Ch. 5 presentations<br>Read Ch. 4, Ch. 5<br><b>Complete Quizzes 4 and 5 by 6/14 (2:00 PM)</b><br><br><b>LECTURE EXAM 1 on 6/16 at 12:00 PM in SCI 120</b><br>Covers Ch. 1-5  | 6/14  | Body Tissues<br>5.2: Epithelial tissue<br>5.3: Connective tissue<br>5.4: Muscular tissue<br>5.5: Nervous tissue  |
|      |  | 6/16  | Musculoskeletal system<br>12.1: Anatomy of a long bone<br>12.2: The skeleton<br>12.3: The skeletal muscles   |
| 3    | Skeletal system<br>Digestive System<br>View Ch. 6.1, Ch. 6.2, Ch. 7 presentations<br>Read Ch. 6.1, Ch. 6.2, Ch. 7<br><b>Complete Quizzes 6.1, 6.2 &amp; 7 by 6/21 (2:00 PM)</b><br><br>Blood<br>The Cardiovascular System<br>View Ch. 8, Ch. 9 presentations<br>Read Ch. 8, Ch. 9<br><b>Complete Quizzes 8 and 9 by 6/23 (2:00 PM)</b><br><b>Writing Assignment Article Approval by 6/23</b> | 6/21  | PhysioEx 8: Chemical digestion<br><b>*Bring Chemical Digestion handout</b><br>Energy requirements and ideal body weight<br>9.1: Average daily energy intake<br>9.2: Average daily energy requirement<br>9.3: Comparison of intake and requirement<br>9.4: Ideal weight<br><b>*Bring completed dietary record handout</b> |
|      |  | 6/23  | The cardiovascular system<br>7.1: The heart<br>7.2: Heartbeat and blood pressure<br>7.3: Blood   |

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|-------------|--|--------------|---|
| 4           | The Respiratory System<br>View Ch. 10 presentation<br>Read Ch. 10<br><b>Complete Quiz 10 by 6/28 (2:00 PM)</b><br><br><b>LECTURE EXAM 2 on 6/30 at 12:00 PM in SCI 120</b><br>Covers Ch. 6-10  | 6/28         | <b>LAB PRACTICAL 1</b> (covers wk. 1-3)   |
|             |  | 6/30         | Homeostasis<br>11.3: Liver<br>11.4: Kidneys   |
| 5           | The Urinary System<br>The Immune System<br>Brain Structure and Function<br>View Ch. 11, Ch. 12, Ch. 14 presentations<br>Read Ch. 11, Ch. 12, Ch. 14<br><b>Complete Quizzes 11, 12 &amp; 14 by 7/7 (2:00 PM)</b>                              | 7/5          | <i>HOLIDAY</i>  |
|             |  | 7/7          | Nervous system<br>13.1: Mammalian brain<br>13.2: Spinal nerves and cord   |
| 6           | The Senses<br>The Endocrine System<br>View Ch. 15, Ch. 16 presentations<br>Read Ch. 15, Ch. 16<br><b>Complete Quizzes 15 and 16 by 7/12 (2:00 PM)</b><br><br><b>LECTURE EXAM 3 on 7/14 at 12:00 PM in SCI 120</b><br>Covers Ch. 11-12; 14-16 | 7/12         | Senses<br>13.3: Human eye<br>13.4: Human ear<br>13.5: Sensory receptors in skin<br>13.6: Chemoreceptors   |
|             |  | 7/14         | Mitosis and meiosis<br>15.1: The cell cycle<br>15.2: Meiosis<br>15.3: Mitosis vs. meiosis<br>15.4: Karyotype abnormalities<br>15.4: Gametogenesis |

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|-------------|--|--------------|--|
| 7           | DNA, Mitosis, Meiosis<br>Human Reproduction<br>Heredity<br>View Ch. 17, Ch. 18, Ch. 19 presentations<br>Read Ch. 17, Ch. 18 and Ch. 19<br><b>Complete Quizzes 17, 18 and 19 by 7/19 (2:00 PM)</b><br><b>Writing Assignment due in lab by 7/19</b><br><br>Patterns of Inheritance<br>Evolution<br>View Ch. 20, Ch. 22 presentations<br>Read Ch. 20, Ch. 22<br><b>Complete Quizzes 20 and 22 by 7/21 (2:00 PM)</b> | 7/19         | Patterns of genetic inheritance<br>16.1: Determining the genotype<br>16.2: Determining inheritance<br>16.3: Determining the pedigree |
|             |  | 7/21         | Human evolution<br>18.1: Fossil record<br>18.2: Comparative anatomy<br>18.3: Molecular evidence                                      |
| 8           | Ecology<br>View Ch. 23 presentation<br>Read Ch. 23<br><b>Complete Quiz 23 by 7/26 (2:00 PM)</b><br><br><b>FINAL EXAM on 7/28 at 2:15 PM in SCI 220</b><br>Covers Ch. 17-20; 22-23  | 7/26         | <b>LAB PRACTICAL 2</b> (covers wk. 4-7)  |
|             |  | 7/28         | NO LAB   |