Biology 212 – Principles of Biology

Spring 2019

***Tentative*** Schedule

Week: Date Topics R&J Readings Lab (R) Assignments & Tests

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| 1 – 4/3  *No class*  *Mon* | Course Introduction  Water & Bonds | Ch 2 | Calculations & Biochem models | Moodle Quiz Activates Wed  April 7, Due Sun |
| 2 – 4/8 | Biological molecules | Ch 3 | Macromolecules  Diagnostics | **IC - Quiz #1 (F)**  Moodle Quiz  Due Sat 4/13 |
| 3 – 4/15 | Cell Structure  & Cell membranes | Ch 4 sec 1-7  Ch 5 sec 1-3 | Cell lab | Moodle Quiz  Due 4/20 |
| 4 – 4/22 | Set up  Osmosis (W)  Intro to cell respiration  (Lab and Friday) | Ch 5, sec 5.4  Ch 7 sec 1-3 | Osmosis Lab Suppl  Cell respiration  Lab Ana & Aero  Ref sec 7.8 for lab | **Exam #1 (M)**  (over Ch 2,3,4,5)  Ch 5 will only cover sections 1-3  Moodle Quiz  Due 4/27 |
| 5 – 4/29 | Respiration (cont)  Photosynthesis | Ch 7 sec 4-6  Ch 8 sec1-6 | Photosynthesis | Moodle Quiz  Due 5/4 |
| 6 – 5/6 | Plant A&P | Ch 36 | ***New Plant Anatomy lab*** | **IC -Quiz #2 (M)**  Moodle Quiz  Due 5/11 |
| 7 – 5/13 | Plant transport  & Nutrition | Ch 37  Ch 38 Sec 2-5  Revisit Sec 5.4 | Water potential  Observation of plant nutrient lab | Moodle Quiz  Due 5/18 |
| 8 – 5/20 | Blood Circulation (W) Gas Exchange (F) | Ch 48 & 49 | Circulation & Blood lab  ***Goldfish observation*** | **Exam #2 (M)**  (over Ch 5, 7, 8, 36, 37)  *Will not include Ch 38*  Moodle Quiz  Due 5/25 |
| 9 – 5/27 | *Monday holiday*  Muscle contraction  & Skeletal system | Ch 46 | Skeletal System  ***Anamatog observ*** | Moodle Quiz  Due 6/1 |
| 10- 6/3 | Development & Review | Ch 53 Sec 1-4  Ch 47 | Embryology lab  VG on Pregnancy | **IC-Quiz #3 (M)**  Moodle Quiz  Due 6/8 |

Final Exam: Monday 3:00-4:50 pm - June 10

50% of final covers week 8-10, ~35% is comprehensive (entire term) and 10-20% from labs

**Campus Closure Days: School In-service April 1 (M) & Memorial Day, May 27 (M)**

Labs with italics above are supplements supplied by instructor.