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 IntroductionWater & Bonds | Ch 2 | Calculations & Biochem models | Moodle Quiz Activates WedApril 7, Due Sun  |
| 2 – 4/8 | Biological molecules | Ch 3 | MacromoleculesDiagnostics | **IC - Quiz #1 (F)**Moodle QuizDue Sat 4/13 |
| 3 – 4/15 | Cell Structure & Cell membranes | Ch 4 sec 1-7Ch 5 sec 1-3 | Cell lab | Moodle QuizDue 4/20 |
| 4 – 4/22 | Set up Osmosis (W)Intro to cell respiration(Lab and Friday) | Ch 5, sec 5.4Ch 7 sec 1-3 | Osmosis Lab SupplCell respirationLab Ana & AeroRef sec 7.8 for lab | **Exam #1 (M)**(over Ch 2,3,4,5)Ch 5 will only cover sections 1-3Moodle QuizDue 4/27 |
| 5 – 4/29 | Respiration (cont)Photosynthesis | Ch 7 sec 4-6 Ch 8 sec1-6 | Photosynthesis | Moodle QuizDue 5/4 |
| 6 – 5/6 | Plant A&P | Ch 36 | ***New Plant Anatomy lab*** | **IC -Quiz #2 (M)**Moodle QuizDue 5/11 |
| 7 – 5/13 | Plant transport& Nutrition | Ch 37 Ch 38 Sec 2-5Revisit Sec 5.4 | Water potentialObservation of plant nutrient lab | Moodle QuizDue 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 QuizDue 6/1 |
| 10- 6/3 | Development & Review | Ch 53 Sec 1-4Ch 47  | Embryology labVG on Pregnancy | **IC-Quiz #3 (M)**Moodle QuizDue 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.