| DATE | LecturePower Point and screencast | Day 1Online HWChapter | Day 2LAB | CASE STUDY | Extended LearningSubmit via Blackboard  |
| --- | --- | --- | --- | --- | --- |
| DUE | ***Day Indicated*** | ***DUE SUNDAY by 11pm of week*** | ***DUE NEXT CLASS PERIOD*** | ***On day of test*** | ***On day of test*** |
| POINTS | ***N/A*** | ***10*** | ***10*** | ***30*** | ***Varies*** |
| LOCATION | ***Blackboard*** | ***Blackboard*** | ***Linked below*** | ***Blackboard*** | ***Blackboard*** |
| Week 18/25-8/29 | Intro to course | Syllabus quiz | Lab Safety |  |  |
| Week 29/2-9/5Monday holiday | Biology Today  | 1 | [Dependent/Independent Variables](http://www.mhhe.com/biosci/genbio/virtual_labs_2K8/pages/Dependent_Independent.html) |  | Can Crickets Tell Temperature(3)Scientific Methods in Action (2)Scientific Method Practice (3)Notes for Chapter 1 (1-3)Current Event any science topic(3) |
| Week 39/8-9/12 | Basic Chemistry   | 2 | [Measuring the Differences in Carbon Dioxide Production](http://www.biologycorner.com/worksheets/carbondioxide.html) |  | Chemistry practice worksheet (3)Acids and bases Coloring (1)Macromolecule Color Sheet (3)Notes for Chapter 2 (1-3)Current Event any science topic (3) |
| Week 49/15-9/18 | Biochemistry  | 3 | [Testing for Macromolecules](http://blue.wths.net/faculty/hsmith/biology/1_biochemistry/Macromolecules_Lab1.pdf) |  | Identifying Macromolecules (3)Macromolecule Concept Map (2)Notes for Chapter 3 (1-3)Current Event any science topic (3) |
| Week 59/22-9/25 | Cells  | 4 | [Microscope](http://www.biologycorner.com/worksheets/microscope-advanced.html)[Plant vs Animal Cell](http://www.biologycorner.com/worksheets/comparing_plant_animal.html)[Lab 5: Microscope Use](http://www.austincc.edu/biology/labmanuals/1408f12.pdf) |  | Cells Alive Webquest (2)Cell Research Design (3)Cell City (1)Notes for Chapter 4 (1-3)Current Event any science topic (3) |
| Week 69/29-10/9 | CASE STUDYExtended Learning Test review | None due | **Exam 1****50 points: Ch 1-4****25 points: Lab 1-4** | **CASE STUDY DUE****25 points** | 50 Extended Learning points available!!!!! |
| DATE | **Lecture****Power Point with embedded questions** | **Online HW****Chapter** | **LAB** | **CASE STUDY** | **Extended Learning****Submit via Blackboard** |
| DUE | ***Day Indicated*** | ***DUE SUNDAY by 11pm of week*** | ***DUE NEXT CLASS PERIOD*** | ***On day of test*** | ***On day of test*** |
| POINTS | ***N/A*** | ***10*** | ***10*** | ***30*** | ***Varies*** |
| LOCATION | ***Blackboard*** | ***Blackboard*** | ***Lab Manual*** | ***Blackboard*** | ***Blackboard*** |
| Week 710/6-10/9 | Membrane Transport Metabolism, Enzymes | 5 | [Salt and Plants](http://www.biologycorner.com/worksheets/plants_and_salt.html)[Enzymes](http://www.biologycorner.com/worksheets/enzyme_lab.html)Maybe new enzyme kit??? |  | Membrane Concept Map (1)Cell Membrane Images (3)Virtual Osmosis/Diffusion lab (3)Enzyme Webquest (3)Enzyme Virtual Lab (3)MGH: Enzyme Controlled Reactions (3)Notes for Chapter 5 (1-3)Current Event any science topic (3) |
| Week 810/14-10/17Monday Holiday | Respiration/Photosynthesis  | 6 | [Respiration/Photo Virtual Lab](http://lhsblogs.typepad.com/files/cell-respiration-virtual-lab.pdf) |  | Virtual Respiration Lab (3)Respiration Concept Map (2)Respiration/Photosynthesis Webquest (4)Notes for Chapter 6 (1-3)Current Event any science topic (3) |
| Week 910/20-10/23 | Cell Cycle Cancer | 8 | [Lab 12 and 13](http://www.austincc.edu/biology/labmanuals/1408f12.pdf)[ELISA (Lab 11)](http://www.austincc.edu/biology/labmanuals/1408f12.pdf)Micropipette lab |  | Mitosis vs Meiosis Worksheet (3)MGH: Cell Cycle and Cancer (3)Mitosis Internet Lesson (3)Cell Cycle Label (2)Notes for Chapter 8 (1-3)Current Event any science topic (3) |
| Week 1010/27-10/30 | CASE STUDYExtended Learning Test review |  | **Exam 2** **50 points: Ch 5-8****25 points: Lab 6-8** | **CASE STUDY DUE****25 points** |  |
|  |  |  |  |  |  |
| DATE | **Lecture****Power Point with embedded questions** | **Online HW****Chapter** | **LAB** | **CASE STUDY** | **Extended Learning****Submit via Blackboard** |
| DUE | ***Day Indicated*** | ***DUE SUNDAY by 11pm of week*** | ***DUE NEXT CLASS PERIOD*** | ***On day of test*** | ***On day of test*** |
| POINTS | ***N/A*** | ***10*** | ***10*** | ***30*** | ***Varies*** |
| LOCATION | ***Blackboard*** | ***Blackboard*** | ***Lab Manual*** | ***Blackboard*** | ***Blackboard*** |
| Week 1111/3-11/6 | Patterns of Inheritance  | 9 | [Lab 14 Patterns of Inheritance](http://www.austincc.edu/biology/labmanuals/1408f12.pdf)[Lab 15 Cancer gene I](http://www.austincc.edu/biology/labmanuals/1408f12.pdf) |  | Punnett Square Webquest (3)Dihybrid Worksheet (3)MGH: Punnett Squares (3)MGH: Sex linked Traits (3)Notes for Chapter 9 (1-3) |
| Week 1211/10-11/14Tuesday Holiday | DNA Biotechnology: Restriction Enzymes and Cloning | 10A | [Lab 10 (micropipetting) and 19 (Cancer Gene)](http://www.austincc.edu/biology/labmanuals/1408f12.pdf)[Lab 17 pGLO](http://www.austincc.edu/biology/labmanuals/1408f12.pdf) |  | DNA Webquest (4)Replication Concept Map (2)DNA Color Sheet (1)Notes for Chapter 10 (1-3) |
| Week 1311/17-11/20 | Protein Synthesis Biotechnology: Electrophoresis  | 10B | Lab 19 and 17 analysis |  | RAP Mutations (3)Mutations worksheet (2)Transcription worksheet (3)MGH DNA and Genes (3)MGH: Knocking Out Genes (3) |
| Week 1411/24 and 11/25Thanksgiving week | CASE STUDYExtended Learning Test review |  | EXAM #3**50 points: Ch 9-10****25 points: Lab14, 15, 10, 17, 19** | **CASE STUDY DUE****25 POINTS** |  |
|  |  |  |  |  |  |
| DATE | **Lecture****Power Point with embedded questions** | **Online HW****Chapter** | **LAB** | **CASE STUDY** | **Extended Learning****Submit via Blackboard** |
| DUE | ***Day Indicated*** | ***DUE SUNDAY by 11pm of week*** | ***DUE NEXT CLASS PERIOD*** | ***On day of test*** | ***On day of test*** |
| POINTS | ***N/A*** | ***10*** | ***NA*** | ***30*** | ***Varies*** |
| LOCATION | ***Blackboard*** | ***Blackboard*** | ***Lab Manual*** | ***Blackboard*** | ***Blackboard*** |
| Week 1512/1-12/4 | Biotechnology/Viruses  | 12 | **Biotechnology/Viruses** |  | MGH: Gene Splicing (3)MGH: Classifying Using Biotechnology (3)HHMI Virtual Bacterial Identification Lab (5)HHMI Virtual Transgeneic Fly Lab (5)Notes for Chapter 12 (1-3) |
| Week 1612/8-12/11 | Evolution | 13 | **EXAM #4****Cumulative****100 points: anything from Exams 1,2,3 and Chapter 12/13 material** | NONE | PCR and Electrophoresis Webquest (5)Bioinformatics Activities (10)Notes for Chapter 13 (1-3) |