

**Biol 112 Diversity of Life Schedule - TENTATIVE!!!**

RCW 2010

| Week | Date   | Lecture | Topic A                    | Topic B                    | Reading A* | Reading B*      | Laboratory  | Events                 |
|------|--------|---------|----------------------------|----------------------------|------------|-----------------|---|------------------------|
| 1    | Jan 4  | 1       | Parasites                  | Introduction               | -          | -               |   |                        |
|      |        | 2       | Mitosis                    | Meiosis                    | 12.1-12.2  | 13.3,13.4       | Scientific Mtd & Microscopy : Arts & Aquatics Students only |                        |
|      |        | 3       | Classification/Taxonomy 1  | Classification/Taxonomy 2  | Ch 1       | pp536-538       |   |                        |
| 2    | Jan 11 | 1       | Phylogeny & Tree of Life 1 | Phylogeny & Tree of Life 2 | 26.1-26.2  | 26.3            |   |                        |
|      |        | 2       | Evolution 1                | Evolution 2                | Ch 22      | 23.1,23.3,23.4  | Footprint Lab   |                        |
|      |        | 3       | Natural Selection 1        | Natural Selection 2        | Ch 22      | 23.1,23.3,23.4  |   |                        |
| 3    | Jan 18 | 1       | Speciation                 | Macroevolution             | Ch 24      | 25.5, 25.6      |   |                        |
|      |        | 2       | Fossil Record              | Extinctions                | 25.2, 25.3 | 25.4            | Fundamentals of Biodiversity                                |                        |
|      |        | 3       | Prokaryotes 1              | Prokaryotes 2              | Ch 27      | Ch 27           |   |                        |
| 4    | Jan 25 | 1       | Protists 1                 | Protists 2                 | 28.1,28.3  | 28.4,28.6, 28.7 |   |                        |
|      |        | 2       | Diseases                   | spare                      | TBA        | -               | Prokaryotes to Protists                                     |                        |
|      |        | 3       | Algae 1                    | Algae 2                    | 28.3       | 28.5            |   |                        |
| 5    | Feb 1  | 1       | Nonvascular Plants         | Pterophytes                | 29.1-29.2  | 29.3            |   |                        |
|      |        | 2       | Gymnosperms                | Conifers                   | 30.1       | 30.2            | Fungi, Algae, Lichens                                       | Lab Report Due?        |
|      |        | 3       | Angiosperms 1              | Angiosperms 2              | 30.3       | 30.4            |   |                        |
| 6    | Feb 8  | 1       | Genetic Modification       | spare                      | TBA        | -               |   |                        |
|      |        | 2       | Fungi 1                    | Fungi 2                    | 31.1       | 31.2            | Land Plants   |                        |
|      |        | 3       | Review                     | Review                     | -          | -               |   | Lecture & Lab Midterm? |
| 7    | Feb 15 | 1       | Fungi 3                    | Fungi 4                    | 31.4       | 31.5            |   |                        |
|      |        | 2       | Toxins & Flavours          | spare                      | TBA        | -               | Sponges to Rotifers   |                        |
|      |        | 3       | Animals 1                  | Animals 2                  | 32.1       | 32.3            |   |                        |
| 8    | Feb 22 | 1       | Poriferans                 | Cnidarians                 | 33.1       | 33.2            |   |                        |
|      |        | 2       | Platyhelminthes and more   | Molluscs                   | 33.3       | 33.3            | Annelids & Molluscs   |                        |
|      |        | 3       | Annelids                   | spare                      | 33.3       | -               |   |                        |
| 9    | Mar 1  | 1       | READING WEEK               | READING WEEK               | -          | -               |   |                        |
|      |        | 2       | READING WEEK               | READING WEEK               | -          | -               |   |                        |
|      |        | 3       | READING WEEK               | READING WEEK               | -          | -               |   |                        |
| 10   | Mar 8  | 1       | Arthropods 1               | Arthropods 2               | 33.4       | 33.4            |   |                        |
|      |        | 2       | Echinoderms                | non-vertebrate Chordates   | 33.5       | 34.1, 34.2      | Arthropods  |                        |
|      |        | 3       | Fish 1                     | Fish 2                     | 34.3       | 34.4            |   |                        |
| 11   | Mar 15 | 1       | Amphibians                 | Reptiles                   | 34.5       | 34.6            |   |                        |
|      |        | 2       | Birds                      | Mammals 1                  | 34.6       | 34.7            | Echinoderms & Chordates                                     |                        |
|      |        | 3       | Mammals 2                  | Primates                   | 34.7       | 34.7            |   |                        |
| 12   | Mar 22 | 1       | Primates                   | Humans                     | 34.7       | 34.8            |   |                        |
|      |        | 2       | Building Tree of Life      | Building Tree of Life      | -          | -               | Phylogeny   |                        |
|      |        | 3       | Intro to Ecology           | Biomes                     | 50.1, 50.2 | 50.3, 50.4      |   |                        |
| 13   | Mar 29 | 1       | Community Ecology 1        | Community Ecology 2        | Ch 54      | Ch 54           |   |                        |
|      |        | 2       | Ecosystems 1               | Ecosystems 2               | Ch 55      | Ch 55           | Review Lab  |                        |
|      |        | 3       | GOOD FRIDAY                | GOOD FRIDAY                | -          | -               |   |                        |
| 14   | Apr 5  | 1       | Human Impacts              | Human Impacts              | TBA        | TBA             |   | Lab Final Exam?        |
|      |        | 2       | Review                     | Review                     | -          | -               |   |                        |

\* chapter and page numbers refer to Campell & Reece (2009) Biology, 8th ed. **See Lecture Guides on course website for details.**