

**Biol 1409: Biology: The Diversity of Life**  
**Lecture and Lab Schedule (Ziser: Fall, 2017; Section 32062-005)**

<b>Wk</b>	<b>Date</b>	<b>Lecture Topic</b>	<b>Lab Topic</b>
<b>1</b>	Aug 29 Aug 31	Introduction to Biodiversity Scientific Method, Taxonomy, Characteristics of Life	Introduction; Making Observations: Recording What You See Microscopy & Microscopic Life
<b>2</b>	Sept 5 Sept 7	Introduction to Ecology Evolution	Taxonomy & Classification Cells: The Basic Units of Life
<b>3</b>	Sept 12 Sept 14	Origins of Life <b>EXAM I: Life, Diversity, Ecology &amp; Evolution</b>	Kinds of Reproduction: Asexual & Sexual Development & Growth; Texas Ecosystems Assignment
<b>4</b>	Sept 19 Sept 21	Bacteria –The simplest cells Bacterial Diversity	Collecting, Culturing and Identifying Bacteria Bacterial Form, Symbioses
<b>5</b>	Sept 26 Sept 28	Bacterial (con.'t), Viruses Protists: Algae, Protozoa & Slime Molds	Bacterial Form, Symbioses & Pathogens Protists: Introduction, the Algae
<b>6</b>	Oct 3 Oct 5	(Protists (con.'t) Fungi, the decomposers; form and function	Protists: Seaweeds & Slime Molds Protists: Protozoa
<b>7</b>	Oct 10 Oct 12	Fungal Diversity <b>EXAM II: Bacteria, Protists, Fungi</b>	Recognizing, Collecting and Culturing Fungi Kinds of Fungi & Fungal Spores
<b>8</b>	Oct 17 Oct 19	An Introduction to Plants – cells, tissues, organs Plant Diversity – mosses, ferns, conifers	<b>Practical I: Bacteria, Protists &amp; Fungi</b> Plant Cells, Tissues, Organs and Life Cycles
<b>9</b>	Oct 24 Oct 26	Plant Diversity – flowering plants How Plants Work: Plant Physiology	Plant Organs; Identifying Common Trees & Shrubs Plant Diversity: Mosses, Ferns & Conifers
<b>10</b>	Oct 31 Nov 2	Plant Physiology (cont) Ecology and Economics of Plants	Plant Diversity: Flowering Plants – Introduction Flowering Plants – Modified Vegetative Organs
<b>11</b>	Nov 7 Nov 9	<b>EXAM III: Plants</b> Introduction to Animals – cells, tissues, organs, organ systems	Flowering Plants – Reproductive Organs – Flowers, Fruits & Seeds <b>Practical II: Plants</b>
<b>12</b>	Nov 14 Nov 16	Animals Diversity – simple animals Animal Diversity – worms, shelled animals	Animal Cells, Tissues, Organ Systems & life cycles Animal Diversity: Simple Animals & Animal ID
<b>13</b>	Nov 21 Nov 23	Animal Diversity - parasites, begin arthropods <b>Holiday</b>	Animal Diversity: Worms and Shelled Animals <b>Holiday</b>
<b>14</b>	Nov 28 Nov 30	Animal Diversity – arthropods Animal Diversity – echinoderms, fish	Animal Diversity: Parasites, begin Arthropods Animal Diversity: Arthropods (con.'t)
<b>15</b>	Dec 5 Dec 7	Animal Diversity – amphibians, reptiles Animal Diversity – birds, mammals	Animal Diversity: Echinoderms, Begin Vertebrates - Fish Animal Diversity: Vertebrates – Fish (con.'t), Amphibians, Reptiles
<b>16</b>	Dec 12 Dec 14	Animals: Ecology & Economics; The Evolution of Us <b>EXAM V</b>	Animal Diversity: Vertebrates – Birds, Mammals <b>Practical III: Animals</b>