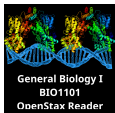




The following lectures are covered on the first exam.  
The following lecture schedule contains links to the book sections from [Biology](#) from OpenStax College (CC-BY 4.0)

<b>Week</b>	<b>Lectures</b>	<b>Topic with link to Openstax pages</b>	<b>Openlab Supplement</b>
I	1.	<b>BASICS</b> Introduction to the Course Definition, Characteristics and Hierarchy of Life Scope of Ecology: Habitat, Population, Community, Ecosystem The Scientific Method Evolution and Classification Systematics, taxonomy, phylogeny	<b>Biology Basics</b>
	2.	<b>THE ORIGIN &amp; EVOLUTION OF LIFE</b> Darwin & Evolution The Origin of Life The Geological Time Scale Cellular History Kingdoms and Domains	<b>Evolution and Geological Time</b>
II	3.	<b>INORGANIC CHEMISTRY I</b> Definition, Classification and Properties of Matter Atomic Structure The periodic Table Isotopes Electrons and Energy Energy Chemical Reactions: Exergonic and endergonic Activation Energy Oxidation and Reduction	<b>Chemistry</b>
	4.	<b>INORGANIC CHEMISTRY II</b> Elements, Compounds, Molecules and Mixtures Bonds: Weak and Strong	
III	5.	<b>WATER &amp; pH</b> Importance and Properties of H <sub>2</sub> O Acids, Bases, pH, Buffers	<b>Water</b>



6.            **ORGANIC CHEMISTRY**  
Importance of Carbon  
Organic vs. Inorganic Compounds  
The Hydrocarbons  
Functional Groups  
Isomers

Organic  
Chemistry