



**Program Learning Outcomes (PLOs):**

1. Demonstrate a mastery of aerobic respiration and its significance for living organisms.
2. Be able to identify evolution and the processes that influence it.
3. Be able to identify the components of cell structure and their functions.
4. Compare the fundamental concepts of Mendelian genetics.
5. Compare and contrast the process of photosynthesis to other cellular processes.
6. Be able to identify the processes of molecular biology.

**COURSE OBJECTIVES**

- 1) Students will identify, recall, and label basic cellular structures and processes.
- 2) Students will identify animal-like protists and classify organisms within the kingdom Animalia
- 3) Students will be able to summarize and explain the processes of evolution.
- 4) Students will be expected to demonstrate understanding of the genetic code and how it relates to protein synthesis.
- 5) Students will understand physiological systems, such as aerobic respiration and reproduction

**TENTATIVE COURSE SCHEDULE**

WEEK	DATE	Tues/Thurs 12:30-1:45	This week in LAB
1	Jan 20	Ch 1 Zoology & Ecological Perspective	<b>**No Labs the first week**</b>
	Jan 22	Ch 7 Animal Classification	
2	Jan 27	The Chemistry of Life ( <i>not in text</i> )	Ch 1 Lab Skills & Ch 2 Cells & Tissues
	Jan 29	Ch 2 Cells, Tissues, Organs	
3	Feb 03	Ch 3 Cell Division (Mitosis)	Ch 3 Reproduction & Development
	Feb 05	Ch 3 Cell Division (Mitosis), cont.	
4	<b>Feb 10</b>	<b>Comprehension Test #1</b>	Ch 4 Animal-like Protists
	Feb 12	Ch 3 Inheritance (Meiosis and DNA Structure)	
5	Feb 17	Cellular Respiration ( <i>not in text</i> )	Ch 5 Porifera & Ch 6 Cnidaria
	Feb 19	Cellular Respiration, cont.	
6	Feb 24	Ch 4 Evolution: History & Evidence	<b>Lab Practical #1</b>
	Feb 26	Ch 5 Evolution: Gene Frequencies	
7	<b>Mar 03</b>	<b>Comprehension Test #2</b>	Ch 7 Platyhelminthes
	Mar 05	<i>Rosalind Franklin and Photo 51 (not in text)</i>	
8	Mar 10	Ch 29 Reproduction & Development	Ch 8 Mollusca
	Mar 12	Ch 29, cont.	
9	<b>March 16-20 NO CLASS—Spring Break!</b>		
10	Mar 24	Ch 9 Poriferans & Cnidarians	Ch 9 Annelida & Ch 10 Nematoda
	Mar 26	Ch 10 Platyhelminthes	

<b>11</b>	<b>Mar 31</b>	<b>Comprehension Test #3</b>	Ch 11 Arthropoda & Ch 12 Echinodermata
	Apr 02	Ch 11 Mollusks	
<b>12</b>	Apr 07	Ch 12 Annelids	<b>Lab Practical #2</b> <b>April 10<sup>th</sup> Last Day to Drop with "W"</b>
	Apr 09	Ch 13 Nematodes	
<b>13</b>	Apr 14	Ch 14 Intro to Arthropods	Ch 13 Chordata and Ch 14 Actinopterygii; <b>Planarian Report due Friday, April 17<sup>th</sup> by 5:00pm</b>
	Apr 16	Ch 15 Hexapods (Insects)	
<b>14</b>	Apr 21	Ch 15 Hexapods (Insects), cont.	Ch 15 Amphibia & Ch 16 Reptilia
	<b>Apr 23</b>	<b>Comprehension Test #4</b>	
<b>15</b>	Apr 28	Ch 17 Chordates Ch 18 Fishes	Ch 17 Aves and Ch 18 Mammalia
	Apr 30	Ch 18 cont.	
<b>16</b>	May 05	Ch 19/20 Amphibians/Reptiles	<b>Lab Practical #3</b> (All lab practicals to be taken on Wednesday, May 6th)
	<b>May 07</b>	<b>NO CLASS—SRSU STUDY DAY</b>	
<b>17</b>	<b>MAY 11-14 FINAL EXAMS (Time TBA)</b>		

*Students with any learning disabilities will be provided with accommodations. If you would like to request such accommodation please contact the ADA coordinator at 837-8203, FH 112.*