

<u>Dates</u>	<u>Topic</u>	<u>Text Chapters</u>
<u>Week of</u>		
Sept. 7	Introduction to Biology 131 Scientific Method	1, 5
Sept. 14	Cellular basis of life and cell structure	6, 7
Sept. 21	Metabolism, energy, and life	8
Sept. 28	Fermentation and cellular respiration	9
Oct. 5	Respiration and photosynthesis	9, 10
Oct. 12	Photosynthesis and nutrient cycling Midterm I	10
Oct. 19	Cell cycle of prokaryotes and eukaryotes	12
Oct. 26	Genetic recombination in prokaryotes and Eukaryotes	13
Nov. 2	Genetics	14, 15
Nov. 9	DNA structure, replication, and cellular location Genome organization	16
Nov. 16	Midterm II /RNA translation in prokaryote and eukaryote mutations	17
Nov. 23	DNA transcription in prokaryotes and eukaryotes Control of gene expression Virology	17 18
Nov. 30	Host Microbe interactions	18
Dec. 7	Review	

Laboratory Schedule

Attendance at the laboratory sessions is **COMPULSORY**. Any lab missed without a valid excuse cannot be made up. A valid excuse (such as illness, death in the family etc.) must be validated by written proof from a doctor or counselor. Lab coats are not required but are strongly recommended. Labs will begin the week of September 14th. Laboratory topics covered with enhance course material.

The lab portion of this course will consist of 5 lab reports worth 4% each.

Sept.	Intro to Scientific investigation (Tutorial) Basic Microscopy – with forensics application Scientific Writing (Tutorial) Membranes and particle movement (Lab report)
Oct.	Enzyme Activity (Lab report) Cellular respiration Fermentation (Lab report)
Nov.	Photosynthesis Genetics I and II / Epigenetics (Lab report) DNA replication – case study lab Bacteriology (2 weeks) – Lab report

On the 3 weeks without a formal lab, there will be scheduled tutorials.

Grading Scheme

A+	97-100%		C+	67-69%	
A	93-96%	Excellent	C	63-66%	Satisfactory
A-	89-93%		C-	60-62%	
B+	83-89%		D+	54-59%	
B	77-82%	Good	D	50-53%	Minimal Pass
B-	70-76%		F	Below 50%	Fail

Important Notes/Dates:

The last day to enter a course without permission and /or voluntary withdrawal from a course without financial penalty – Friday, September 17, 2010

The last day to voluntarily withdraw from a course or change to audit without academic penalty – Friday, November 12, 2010

Please note that final grades will be available on your student portal. Printed grade sheets are no longer mailed out.

Classroom Etiquette:

It is expected that students will take an active role in the learning process. This includes: (a) regular class attendance, (b) reading course material in advance of class, and (c) engaging in discussions during class.

In respect to the professor and to your fellow students, we ask that you:

- a) Turn your phone off during class and that you don't use it for texting during lecture or lab
- b) Not have conversations with the people beside your during lecture – it is very distracting to the people around you
- c) Use your laptops for lecture material and assignments only – that you are not using the internet or facebook during class time.
- d) Arrive to lecture and lab on time
- e) Don't come to class or lab with your ipod or equivalent.

These will help to maximize the learning experience for you and your fellow students (and will keep your professor in a good mood).

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Student Handbook and Academic Calendar. Personal information, that is information about an individual that may be used to identify that individual, may be collected as a requirement as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at privacy@ambrose.edu.

Academic dishonesty is taken seriously at Ambrose University College as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from Ambrose. Students are expected to be familiar with the policy statements in the current academic calendar and the student handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar and the Student Handbook that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean.