

BIOLOGY 12

Biology 12 focuses on human biology, allowing you to see how the diverse body systems are integrated to maintain homeostasis. This course is intended for students who are planning to enter the science/medical/kinetics field in post-secondary education.

PREREQUISITES: Both Chemistry 11 and Biology 11 are **strongly** recommended, as biochemistry concepts recur throughout the course. Biology 11 provides necessary background knowledge on cell structure, viruses and bacteria, as well as dissecting skills.

TEXTBOOK: *Inquiry into Life, 10th ed.*, by Sylvia Mader. You will be required to cover the text with a waterproof material. You will use this to supplement the lecture notes. Quizzes and tests are mostly based on material covered in class.

COURSE OVERVIEW

ORGANIZERS	UNIT	CHAPTER	SUB-ORGANIZERS
Cell Biology	A	1	Scientific Method/Feedback Cycles
	B/C	2	Cell Compounds/Biological Molecules
	D	3	Cell Structure
	E	4	Transport Across Cell Membranes
Cell Processes and Applications	F/G	25	DNA and Protein Synthesis
	H	6	Enzymes
Human Biology	I	12	Digestive System
	J	15	Respiratory System
	K/L	13/14/22	Circulation and Blood / Fetal Circulation/ Heart Structure & Function
	M/N	17	Nervous System: Neuron, Impulse Generation and Reflex Arc / Divisions of the Nervous System & the Brain
	O	20/16	Urinary System/Hormones
	P	21	Reproductive System

EVALUATION

A rough breakdown of the value of marks within each reporting period is as follows:


TESTS:	55%
QUIZZES/LABS/HOMEWORK:	45%

In the Science Department, term marks are NOT cumulative:

TERM 1:	30%
TERM 2:	35%
TERM 3:	35%
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TOTAL:	100%

ATTENDANCE POLICY

Students are expected to be in all scheduled classes, **on time**. Attendance is recorded every period and is reported to the office at the end of each day. My expectation is that you will be in class everyday unless you are ill or have a field trip. If you are sick please ask your parent/guardian to call the office by 8:30 a.m. to let us. On your return please bring a parent/guardian note (sample note below) to be signed by your teachers. Once your absence note has been signed turn it in at the office front desk. We will then record this information into our attendance database.



Eric Hamber Secondary School - Absence Notice

Student:	First Name _____	Last Name _____
Date(s)	Date(s) Absent: _____	Student #: _____ Grade: _____
Period(s) Absent	Teacher Initials	Reason for Absence (Please check one below)
<input type="checkbox"/> 1 st Period 1 (8:35-9:50 am)		<input type="checkbox"/> Doctor/Dentist
<input type="checkbox"/> 2 nd Period (10:25-11:40am)		<input type="checkbox"/> Illness
<input type="checkbox"/> 3 rd Period (12:30-1:45pm)		<input type="checkbox"/> Non Medical Appointment
<input type="checkbox"/> 4 th Period (1:50-3:07pm)		<input type="checkbox"/> Vacation
		<input type="checkbox"/> Other (Please specify) _____

Date: _____ Parent/Guardian Signature: _____

PLEASE PRINT THIS FORM WHEN YOU HAVE BEEN ABSENT. HAVE ALL YOUR TEACHERS INITIAL THE NOTE AND THEN BRING IT TO THE MAIN OFFICE SO THE COMPUTER DATA BASE IS UPDATED.

Whenever possible students who will be absent at parental requests (i.e. appointments, emergencies, special events, etc) should provide a signed note in advance to their teachers. If an early dismissal is required, students need to present their note to the office before leaving the school. Students absent because of field trips, work experience, athletic events, etc., must inform teachers in advance of the intended absence.

Students are responsible for all work missed during absences. Students are encouraged to show initiative in finding out what work was missed and how it might be made up. Teachers will provide reasonable assistance to students absent for acceptable reasons.

Reading only the textbook or a friend's notes is only a small part of the learning process. A great deal of additional material is presented and discussed in class. You **will** be taking notes **every** class, so come prepared with lined paper, pencil/pen, and your textbook each class.

a) Missed Quizzes: Pending submission of a valid note, you may be omitted from the quiz. If no note/excuse is given, a mark of zero will be assigned. It is your responsibility to get the missed notes from a friend so that you don't fall behind.

b) Missed Tests: These must be made up at the earliest date possible and students must provide a parent's note. If no valid note/excuse is given, a mark of zero will be assigned.

Any missed instructional time due to an out of school activity which has not been approved in advance (i.e., as an on-line exam or a new driver's test) is not a valid reason for missing school. These activities need to be scheduled outside of school time. In addition, a vacation is not an acceptable reason for an absence.

Teachers are not required to provide make up assignments or alternate examinations for an unexcused absence. The loss of marks is a logical consequence for such an absence. Evaluation of students' learning is based on the work of the entire year.

Tests, quizzes and assignment scores are cumulative and contribute to the decision regarding grading at the end of the year. In other words, ALL WORK COUNTS! Marks lost due to an unacceptable absence may affect school standing and final letter grades.

c) Late Homework/Assignments: 10% will be deducted each day. After 3 days late, the maximum attainable mark is 50%. Weekends count as one day.

NOTE: Being enrolled in one of my sections does **not** give you the right to attend my other blocks, as it makes my other classes more crowded.

CELL PHONES, IPODS, IPADS, 3DS, PSPv: Please consult your agenda for the school policy. Read student handbook for list of consequences for misuse of these devices.

STUDY HABITS: In order to be successful in Biology 12, you need to commit to reviewing and studying your lecture notes on a **daily** basis. Review includes rewriting notes more succinctly, and making cue cards. It is recommended to form a study group with classmates.

OFFICE HOURS: I am available by appointment.

WEBSITE: I have a website - <http://mleehamber.fusedfiber.com/>

You are responsible for checking this in the evenings as I usually put important updates on quiz/test dates, and address issues brought up in class. In addition, you will find answers to homework and review worksheets, **plus** tips for quizzes and tests. **NOTE:** Class notes will **NOT** be put online unless there are extenuating circumstances. It is your responsibility to get notes in class or to copy a friend's set of notes.