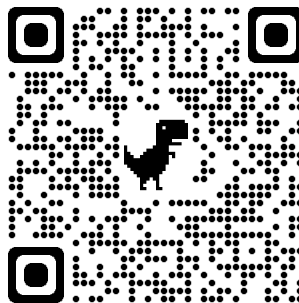


GRADE 12 BIOLOGY COURSE OUTLINE

Term 4: 02 Apr – 06 Jun 2024
Mr. Rick Furney; mrf_teach@hotmail.com



FINAL EXAM: Thursday 06 June 2024

Welcome to Grade 12 Biology

Science is most simply defined as “*the search for truth*”. Biology is an exciting branch of science that has taken on new-found excitement with the not-so-distant discovery of DNA and Genetics and Evolution. On this course students will investigate Genetics and Evolution and Biodiversity; all exciting and very relevant topics related to today’s issues.

There will be lots of new vocabulary; words students will have to learn, so knowing how to use one’s study time wisely will be important. There will be a considerable amount of very technical reading but like any learning the more one learns the easier it gets.

Unit	Topic	Class Hours
Z	Introduction to Science	9
A	Understanding Biological Inheritance	25
B	Mechanisms of Inheritance (DNA)	11
C	Evolutionary Theory and Biodiversity	25
D	Organizing Biodiversity (Classification of Life)	20
E	Conservation of Biodiversity (Ecology)	20
Total:		110

Pace. The course is a quick pace, what is normally spread out over five months in High School takes two months here! Be prepared for considerable studying outside of class, especially if science has not been studied before. An effective study routine will be important!

Attendance/Tardiness. Notice that 110 hours is necessary for this course. Disruption of the class through late arrivals too frequently does not promote effective learning. Attendance and tardiness are recorded daily and processed by the office and sponsors. Students are expected to be in **class daily**, more than nine absences on a course is considered irregular and will likely be subject to some administrative action.

Missed Work. Making up missed work and notes is a student responsibility. There is more than sufficient means to readily locate what has been missed.

Extra Assistance. Ample and additional support is available on the course website at: mrfteachmb.com and especially through a [Daily Blog](#) of lesson activities.

Supplemental Materials / Equipment: A notebook (binder issued) will be required. It should be well organized with a section for just vocabulary!

Textbook. There is no specific textbook assigned for the course. Several are available on-line, and there will be some available on request. Reference Reading packages will be provided in lieu of full textbooks.

Assessment and Evaluation. Assessment is based on Homework, roughly 30% of mark, Mid-Terms Test 15% of mark, occasional quizzes (30%) and a Final Exam 25% of mark. Expect a quiz every Thursday. In the event we migrate to remote learning for the entire class the homework will be done together on-line and the weight factors below will change.

Item	Approx. Percentage of Mark
Homework (~ 20 assignments and labs)	~35%
Regular Thursday Quizzes (~ 6)	~25%
Mid Term Test (x 1)	~15%
Final Exam (x 1)	25%
Study Notes, 'Cheat Sheet'	Extra 5%

Lates. There will be approximately 20 assignments; often they will be done in class. Assignments that are **seven** or more **days late** from the due date will likely be subject to a maximum mark of 50%. Regular Thursday Weekly quizzes cannot be 'made-up' but generally have a two-day window to complete.

Food/Drink. Drinks are permitted provided they have a secure lid.

Cell Phones and Related Devices. Use of the smart devices is **not permitted** in class. Silence it, store it away (vibrate in pocket) and check it at the break.

Emergencies / Office Number. Reception is at 953-2800. It will be useful to share this number with childcare facilities and immediate family for emergencies.

Study Notes ('Cheat Sheet). Students are encouraged to make a single two-page sheet of notes and revise it throughout the course. The single sheet of notes is allowed on all quizzes, tests, and exams. Composing one's thoughts onto a single sheet of paper is a powerful way to learn. Study Notes are worth up to an *extra* 5% of course mark.

Conclusion. We are all in this together. It will be a lot of work for all of us, myself included. But I am prepared to deliver to you a great Grade 12 Biology with your eager and enthusiastic participation.