Course Description

BIOLOGY 25
BIOL 025
6 credits, 6 weeks, 15 hours/week

Topics studied include: cells, protein synthesis, DNA, genetics, principles of classification and ecology.

Course Hours, Instructor Contact Information, Office Hours

Course Hours: Monday – Thursday (9.00 – 12.00) and Mon – Wed. (1.00 – 2.00pm)
Instructor: Linda Mason
E-mail: linda.mason@keyano.ca
Phone Number: 780-828-4434
Blackberry: 780-838-1652
Office: Dorothy McDonald Learning Centre, fort McKay.
Office Hours: Mon – Thurs: (8.30 – 9.00am; 12.00 – 12.30pm; )
Mon & Tues: (2.00 – 2.30pm)

Required and Recommended Resources

2. Prepared teacher tests / assignments
STUDENT LEARNING OUTCOMES

Students will:-
- formulate questions about observed relationships and plan investigations of questions, ideas, problems and issues
- conduct investigations into relationships among observable variables and use a broad range of tools and techniques to gather and record data and information
- analyze data and apply mathematical and conceptual models to develop and assess possible solutions
- work collaboratively in addressing problems and apply the skills and conventions of science in communicating information and ideas and in assessing results

COURSE EVALUATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit assignments</td>
<td>25%</td>
</tr>
<tr>
<td>2 Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Unit Tests</td>
<td>35%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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KEYANO COLLEGE GRADING SCALE

<table>
<thead>
<tr>
<th>Descriptor</th>
<th>Alpha Grade</th>
<th>4.0 Scale</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Excellent</td>
<td>A+</td>
<td>4.0</td>
<td>91-100</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>4.0</td>
<td>86-90</td>
</tr>
<tr>
<td></td>
<td>A-</td>
<td>3.7</td>
<td>80-85</td>
</tr>
<tr>
<td></td>
<td>B+</td>
<td>3.3</td>
<td>76-79</td>
</tr>
<tr>
<td>Good</td>
<td>B</td>
<td>3.0</td>
<td>73-75</td>
</tr>
<tr>
<td></td>
<td>B-</td>
<td>2.7</td>
<td>70-72</td>
</tr>
<tr>
<td></td>
<td>C+</td>
<td>2.3</td>
<td>67-69</td>
</tr>
<tr>
<td>Satisfactory</td>
<td>C</td>
<td>2.0</td>
<td>64-66</td>
</tr>
<tr>
<td></td>
<td>C-</td>
<td>1.7</td>
<td>60-63</td>
</tr>
<tr>
<td>Poor</td>
<td>D+</td>
<td>1.3</td>
<td>57-59</td>
</tr>
<tr>
<td>Minimal Pass</td>
<td>D</td>
<td>1.0</td>
<td>50-56</td>
</tr>
<tr>
<td>Failure</td>
<td>F</td>
<td>0.0</td>
<td>0-49</td>
</tr>
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</table>

- A grade of D will allow you to pass a course, but it is not sufficient to allow you to move to the next level.
- A grade of C or better, 65% or more, is required in the 13, or 23 level courses to be acceptable as a prerequisite to the next level.
- A grade of C or better, 65% or more, is required in the 33 level courses to meet the requirements to obtain a Keyano High School Equivalency.
CLASS STRUCTURE

Module assignments can be completed independently or occasionally with partners

CLASSROOM EXPECTATIONS

- There is a great deal of material to cover in this course; therefore, it is important that you attend on a regular basis.
- You are responsible for all work covered during your absence.
- arrive at school on time;
- phone the learning center to notify the instructor should you be unable to attend classes that day;
- limit the use of the school telephone to short important phone calls;
- keep your work table tidy;
- wash your own dishes;
- wear indoor shoes or slippers to help keep the classroom floors clean;
- show respect to fellow students and contribute to maintaining a peaceful learning atmosphere.

ADDITIONAL INFORMATION:

Assignments
Assignments must be submitted in a timely fashion. You need to complete the course in one semester, so any postponement will cause delays later in the semester. If you become too far behind you will not be successful this year.

In-class Assignments/Tests
There will be no re-writes. If you must be absent, be sure to phone me to let me know before class. You will then be expected to make the assignment/test up within 24 hours of your return or a grade of zero will be given. If you are away for an extended period of time, with a legitimate reason, you will be excused from the test. It is your responsibility to inform me of absences and to arrange make-up tests.

Plagiarism
Taking the words or ideas of another person and stating them as your own is plagiarism. When it is necessary to borrow ideas from others, you must give credit to the lender. You may never use another student's work as your own. If you are resubmitting one of your own, previously marked papers, it must be with my approval. Students who plagiarize will be given a grade of zero.
Final Examination
All final exams must be written on the specified examination date unless the conditions listed in the Keyano College Calendar under "Deferred Exams" apply.

STUDENT RIGHTS AND RESPONSIBILITIES
Students should be aware of their rights and responsibilities as laid out in the Keyano College Credit Calendar 2012-2013, on pages 31-34, or as included in the student package.
In order to “refrain from unduly disturbing, disrupting or otherwise interfering with studies…” (KCCC, 2012/2013, p. 32), students should turn cell phones and pagers off when they come to class, and refrain from bringing children or other visitors to class.

LEARNER ASSISTANCE PROGRAM
If you have been diagnosed with a Learning Disability in the past, or you feel that you would benefit from some assistance from a Disabilities Counsellor, please call our office 780-792-5608 to book an appointment. Services and accommodations are intended to assist you in your course, while maintaining the academic standards of Keyano College. We can be of assistance to you in disclosing your disability to your instructor, receiving accommodations, and your overall success at Keyano College.

SCHEDULE

<table>
<thead>
<tr>
<th>WEEK/DATES</th>
<th>UNIT OF STUDY</th>
<th>TOPICS STUDIED</th>
<th>CHAPTER REFERENCE</th>
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<tbody>
<tr>
<td></td>
<td>Description</td>
<td>Topics</td>
<td>Chapters</td>
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<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
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</tbody>
</table>
Evolution of Populations  
The History of Life  
Classification  
Bacteria and Viruses  
Protists  
Fungi                                                                 | Chap. 15  
Chap. 16 |
| June 3 - 7 |                                                                               |                                                                        |          |
| 5     | **7. Plants,** 8. Invertebrate                                              | Plant Diversity  
Roots, Stems and Leaves  
Reproduction of Seed Plants  
Plant Responses and Adaptations  
Sponges and Cnidarians  
Worms and Mollusks                                                                 | Chap. 17, 18  
Chap. 19  
Chap. 20  
Chap. 21 |
| June 10 - 14 |                                                                               |                                                                        |          |
| 6     | **8. Invertebrates (cont..)** 9. Chordates                                 | Arthropods and Echinoderms  
Comparing Invertebrates  
Nonvertebrate Chordates, Fishes, and Amphibians  
Reptiles and Birds  
Mammals  
Comparing Chordates                                                                 | Chap 28, 29.  
Chap. 30 - 33 |
| June 17 - 19 |                                                                               |                                                                        |          |
| 6     | FINAL EXAM                                                                   |                                                                        | June 20th |
| June 20 |                                                                               |                                                                        |          |

N.B. These dates may be altered at the instructor’s discretion due to unforeseen circumstances.

**IMPORTANT DATES**

- May 14 - last day to add courses
- May 16 - last day to drop courses
- May 28 - last day to withdraw with 50% refund
- May 31 - last day to withdraw without academic penalty
AUTHORIZATION

This course outline has been reviewed and approved by the Program Chairperson.

Linda Mason, Instructor

Janet Lowndes, Chair of College Prep

Date Authorized

Guy Harmer, Dean of Academic and Career Division

Date Authorized

Signed copies to be delivered to:
Instructor
Registrar's Office