INSTRUCTORS:
Dr. Kimberley Dej       LSB 425     dej@mcmaster.ca

INSTRUCTIONAL ASSISTANT:
TBD

COURSE DESCRIPTION:
The application of genetics and genomics research in our world, from single organisms to ecological systems and from evolution to genetic engineering.

COURSE OBJECTIVES:
By the end of this course students will be able to:
• Read, interpret, and concisely summarize current research in the field of cell biology
• Understand chemical and physical principles that underlie cell behaviour
• See the importance of understanding underlying principles and models in the study of human health

PREREQUISITES:
One of BIOLOGY 1A03, 1M03, ISCI 1A24
* Not open to students with credit or registration in BIOLOGY 2C03, MOL BIOL 2C03.
* LIFE SCI 2G03 is not a prerequisite for further genetics courses in the Department of Biology

FORMAT:
There are three 50 minute lectures/web modules and a 1 hour online tutorial per week.

This course uses Avenue to Learn to post the course outline, assignments, and other notices. Go to http://avenue.mcmaster.ca/ to log-on to the course’s home page.

COURSE EVALUATION:  (TENTATIVE AS OF JUNE 2013)
Four tests, 20% each    80%
Online quizzes         10% total
Web-based assignment, “Teaching Genetics” 10%

All four tests must be completed.
If you submit an MSAF, you will be asked to complete a deferred test within one week or you will receive a zero for that component.

There is no final exam in Life Science 2G03.

REQUESTS FOR RELIEF FOR MISSED ACADEMIC TERM WORK

Students may report absences lasting up to 5 days by using the McMaster Student Absence Form (MSAF) online, self-reporting tool, in order to request relief for missed academic work.

Students may use this tool to submit a maximum of ONE request for relief of missed academic work per term.

IMPORTANT: You must put LS2G03, as the contact (LS2G03@mcmaster.ca) on the MSAF form and immediately after using the online tool, students MUST contact the Instructional Assistant (lsplia@mcmaster.ca) regarding the nature of the relief. Failure to do so may negate the opportunity for relief.
CHANGES TO THE COURSE OUTLINE:

At certain points in the course it may make good sense to modify the schedule outlined. The instructor reserves the right to modify elements of the course and will notify students accordingly, both in class and on Avenue to Learn. Posted changes take precedence over this course outline.

The University may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.

ACADEMIC DISHONESTY:

You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.

Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: “Grade of F assigned for academic dishonesty”), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various types of academic dishonesty please refer to the Academic Integrity Policy, located at http://www.mcmaster.ca/academicintegrity

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one’s own or for which other credit has been obtained.
2. Improper collaboration in group work.. While we encourage you to work with your peers in solving problems on your assignments, copying of answers is not acceptable. Your final work must be your own.
3. Copying or using unauthorized aids in tests and examinations.

Grades obtained in LS 2G03 will be converted according to the following scheme, which is the one in general use at McMaster University.

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Grade</th>
<th>Conversion</th>
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<tbody>
<tr>
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<tr>
<td>85 – 89%</td>
<td>A</td>
<td>11</td>
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<tr>
<td>80 – 84%</td>
<td>A-</td>
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<tr>
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<tr>
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All grade concerns and discrepancies must be reported to the Instructional Assistant, Sunita Nadella within two weeks of receiving your grade for each course component.

When the final marks are obtained, ALL borderline cases will be reviewed and, where warranted, adjustments will be made in the final mark.