Request for Calendar Change Form

Tracking No: (Senate Secretary's Office use only) Date:

To From	Secretary of Senate Name(Dean):	Faculty
	Andrew Dean	Science & Environmental Studies
	Department the change relates to	
	Biology	
	Contact Person	
	Azim Mallik	

Is the proposed calendar change Graduate

Instructions:

1. In all cases please complete and attach section 1 and 2

2. If the calendar change affect other departments/schools/faculties complete and attach section 3

3. If the answer to any of the questions below is yes, explain. Attach separate sheets with reference to the question 1 Do the proposed changes affect other departments/ schools/faculties in Ves No

terms of their calendar change?		
2. Is a transition plan needed for student in progress?	Yes 🔽	No □
3. Are the proposed changes likely to affect student enrollment in your department/school/faculty?	Yes	No 🔽
4. Are the proposed changes likely to affect student enrollment in other departments/schools/faculties at Lakehead University?	Yes	No 🔽
5. Will the proposed changes require additional teaching space and/or teaching staff and/or equipment and/or other resources?	Yes	No 🔽
6 Will the proposed changes affect existing teaching loads within your department/school/faculty?	Yes	No 🔽
7. Will the proposed changes increase demand for teaching support services such as the library, computing services and technical staff?	Yes	No 🔽
8. Will the proposed change require direct or in-kind support from outside the academic unit?	Yes	No 🔽
9. Do the proposed changes include change in course(s) which is/are required core course(s) for a major?	Yes V	No □
10. Do the proposed changes include a change in course which is	Yes	No

service/required course(s) in another program?		~
11. Do the proposed changes include change in course(s) which is/are open elective available to any student in any program?	Yes	No 🔽
12. Do the proposed changes include change in course(s) which is/are elective in a major i.e. restricted to students in a major?	Yes	No 🔽

Date approved by faculty council

Section 1

Signatures:

Description of the Proposed Calendar Change:

This proposal involves dividing the existing Biology 5010 course into two new courses (Biology 5020 and Biology 5030) designed to develop critical thinking and scientific communication skills necessary to be successful graduate students and researchers. The content of both courses includes a mixture of hands-on instruction, practical experience in presenting scientific posters, thesis proposals, writing grant proposals, and attending and critiquing research seminars. Biology 5020 is a required course for all first-year M.Sc. graduate students, while Biology 5030 is optional. Continuing students must attend all guest lectures presented by the Department.

Calendar descriptions of these two new courses are below.

Rationale of the Proposed Calendar Change(s): (Corresponding to Section 2 where required)

1. The current calendar entry does not properly describe the existing course structure and content.

2. These changes will resolve unreasonably high course load of Bio 5010 spread over two terms. Time spent on the course routinely exceeds 2 hours per week. These proposed changes take into account many of the criticisms that past students have expressed orally and in writing about the existing Bio 5010 course. In its current form students must attend classes in both fall and winter terms to complete this half credit course and they consider that to be unreasonable.

3. As a condition of last renewal of the graduate program in Biology, OCGS recommended only half a course equivalent to be allowed to take from senior level courses not previously taken in the Department of Biology or from senior level courses in a cognate department.

Since two instructors (one per term) are already allocated to teach the Bio 5010 course, there are no budgetary implications to this change.

Question 2: Transition Plan

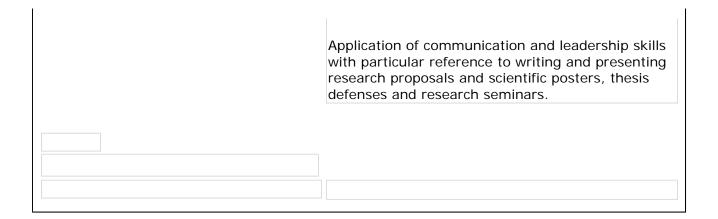
All currently enrolled 1st year graduate students are likely to complete Biology 5010 as their required course. In the event of failing in Biology 5010 students can take Biology 5XXX in the fall 2009. Student receiving credit for Biology 5010 cannot enroll in Biology 5XXX or Biology

5YYY.

Question 9: Proposed Changes

The Biology 5010 core course will be replaced by Biology 5XXX core course.

Section 2	1
Existing Calendar Entries: Page reference based on hard copy or JRL based on electronic version of alendar)	Proposed Calendar Entries/Addition/ Deletion -If only addition, specify page number and placement in university calendar -If only deletion, write Deleted
p. 347 (2008-09 calendar)	
Existing Calendar Entries:	Proposed Entry
PROGRAM The program consists of five full course equivalents composed of a graduate thesis (equivalent to three full courses), a graduate seminar (equivalent to a half-course) taken in the first year of the program, and one and one- half elective courses. The student will take at least one full course at the fifth year level and, with permission of the Department and the Graduate Studies Committee, may be permitted to take one additional course selected from senior level courses not previously taken in the Department of Biology or from senior level courses in a cognate department. All candidates must satisfy the Department of Biology as to any required make-up undergraduate course work before being allowed to complete the Master's program. Candidates will be required to present at a special departmental seminar an outline and, if possible, the title of the proposed research thesis. An oral examination on the thesis will be required prior to final approval.	PROGRAM The program consists of five full course equivalents composed of a graduate thesis (equivalent to three full courses), a graduate Communicating Science I Biology 5020 (equivalent to a half-course) taken in the first year of the program, and one and one-half elective courses. The student will take at least one full course at the fifth year level and, with permission of the Department and the Graduate Studies Committee, may be permitted to take one additional course selected from senior level courses not previously taken in the Department of Biology or from senior level courses in a cognate department. All candidates must satisfy the Department of Biology as to any required make-up undergraduate course work before being allowed to complete the Master's program. Candidates will be required to present at a special departmental seminar an outline and, if possible, the title of the proposed research thesis. An oral examination on the thesis will be required prior to final approval.
Biology 5010 Graduate Seminar 1.5-0; 1.5-0 A required graduate seminar course providing opportunity to discuss current work and new developments in Biology. Students are required to complete Biology	Delete Biol 5010 Biology 5XXX Communicating Science I 3-0; 0-0
5010 during the first year of their program.	An overview of scientific writing, critical appraisal and review, electronic publishing, and group discussion as well as effective methods to prepare and present research proposals, scientific posters, short oral presentations and formal seminars. This required course must be taken in the first year of a student's program.
	Biology 5YYY Communicating Science II 0-0; 3-0



Section 3							
The Faculty(ies) affected by the proposed caler	ndar change						
Science & Environmental Studies							
I have been consulted regarding the attached calendar change and understand the academic and budgetary implication on my Dept./School/Faculty.							
I agree to this calendar change proposal	Yes 🗆	No					
Name:							
Faculty:							
Date: Signature of Dean							