

## Request for Calendar Change Form

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

	Secretary of Senate	
From	Name(Dean):	Faculty
	Andrew Dean	Science and Environmental Science
	Department the change relates to	
	Biology	
	Contact Person	
	Lada Malek	

the proposed calendar change Graduate

### Instructions:

In all cases please complete and attach section 1 and 2

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

If the answer to any of the questions below is yes, explain. Attach separate sheets with reference to the

Question

Do the proposed changes affect other departments/ schools/faculties in terms of their calendar change? Yes  No

Is a transition plan needed for student in progress? Yes  No

Are the proposed changes likely to affect student enrollment in your department/school/faculty? Yes  No

Are the proposed changes likely to affect student enrollment in other departments/schools/faculties at Lakehead University? Yes  No

Will the proposed changes require additional teaching space and/or teaching staff and/or equipment and/or other resources? Yes  No

Will the proposed changes affect existing teaching loads within your department/school/faculty? Yes  No

Will the proposed changes increase demand for teaching support services such as the library, computing services and technical staff ? Yes  No

Will the proposed change require direct or in-kind support from outside the academic unit? Yes  No

Do the proposed changes include change in course(s) which is/are required core course(s) for a major? Yes  No

0. Do the proposed changes include a change in course which is service/required course(s) in another program? Yes  No

1. Do the proposed changes include change in course(s) which is/are open effective available to any student in any program? Yes  No

2. Do the proposed changes include change in course(s) which is/are effective in a major i.e. restricted to students in a major? Yes  No

Signatures:

Date approved by faculty council

**Description of the Proposed Calendar Change:**

This half course was formerly spread over two semesters and taught as a seminar course. The content will now be condensed into one semester with 2 hour weekly sessions, supported by a minimum of 1 hour preparation weekly (both presenters AND audience will need to prepare for discussions). The content will be modified from general biotechnology topics to topics involving only plants (or more generally photosynthetic/autotrophic organisms, including cyanobacteria and algae).

**Rationale of the Proposed Calendar Change(s):**

(Corresponding to Section 2 where required)

This change brings the course in line with other half credit graduate courses. The title change matches a similar ecology course in the calendar. This sets a pattern for similar graduate courses to be developed in the future.

**Section 2**

**Existing Calendar Entries:**

(Page reference based on hard copy or URL based on electronic version of calendar)

**Proposed Calendar Entries/Addition/ Deletion**

- If only addition, specify page number and placement in university calendar
- If only deletion, write Deleted

Biology 5650

Advanced Issues in Biotechnology

1-0; 1-0

Graduate students will critically evaluate published materials and lead discussions of current technical and ethical issues in biotechnology: plant biotechnology and genetically modified foods, mammalian cloning, reproductive technologies, gene therapies, drug development and approval processes, implications of cloning to biodiversity and lateral gene flow, bioremediation using cloned organisms. Emphasis will be placed on the interpretation and simplification of scientific information for general audience.

NOT OFFERED THIS YEAR

Biology 5650

Advanced Topics in Plant Biotechnology

3-0; OR 3-0

Prerequisite: Permission of the Department

Graduate students will critically evaluate published materials and lead discussions of current technical and ethical issues in plant biotechnology, genetically modified foods, and bioremediation using cloned photosynthetic organisms. Emphasis will be placed on the interpretation and simplification of scientific information for general audience.

**Section 3**

Faculty(ies) affected by the proposed calendar change

**I have been consulted regarding the attached calendar change and understand the academic and budgetary implication on my Dept./School/Faculty.**

agree to this calendar change proposal

Yes

No

Name:

Andrew Dean

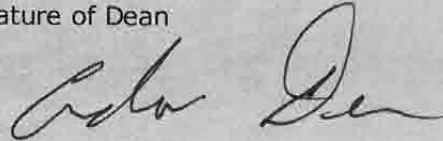
Faculty:

SES

Date:

Nov 18/09

Signature of Dean



Dr. Peter Lee  
Chair  
Department of Biology  
Lakehead University