

## Request for Calendar Change Form

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

To Secretary of Senate  
From Name(Dean): Faculty  
Dr. Andrew Dean Science and Environmental Studies  
Department the change relates to  
Biology - Applied Bio-Molecular Science  
Contact Person  
Dr. H. Schraft

Is the proposed calendar change Undergraduate

### Instructions:

1. In all cases please complete and attach section 9 page 4
2. If the calendar change affect other departments/schools/faculties complete and attach section 1
3. If the answer to any of the questions below is yes, explain. Attach supporting materials with responses to the question

- |  |                                 |   |
|--|---------------------------------|---|
| 1. Do the proposed changes affect other departments/ schools/faculties in terms of their calendar change?                                | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 2. Is a transition plan needed for student in progress?  | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 3. Are the proposed changes likely to affect student enrollment in your department/school/faculty?                                       | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 4. Are the proposed changes likely to affect student enrollment in other departments/schools/faculties at Lakehead University?           | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 5. Will the proposed changes require additional teaching space and/or teaching staff and/or equipment and/or other resources?            | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 6. Will the proposed changes affect existing teaching loads within your department/school/faculty?                                       | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 7. Will the proposed changes increase demand for teaching support services such as the library, computing services and technical staff ? | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 8. Will the proposed change require direct or in-kind support from outside the academic unit?  | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 9. Do the proposed changes include change in course(s) which is/are required core course(s) for a major?                                 | Yes<br><input type="checkbox"/> | No<br><input checked="" type="checkbox"/> |
| 10. Do the proposed changes include a change in course which is service/required course(s) in another program?                           | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/>            |

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

Signatures:

Date approved by faculty council

### Section 1

Description of the Proposed Calendar Change:

Three items are proposed:

1. Editorial changes to the Program Description
2. Deletion of a course in the List of Recommended Courses
3. Addition of Notes

Rationale of the Proposed Calendar Change(s):

(Corresponding to Section 2, under agenda)

1

Editorial Changes to Program Description:

- Delete the sentence, "Students will be assigned a faculty advisor at the end of first year". The Academic Advisor of the Applied Bio-Molecular Science Program is in charge of Advising ABMS students.

- Add "third year" in reference to open elective courses, as such courses are also taken in third year.

2

In the List of Recommended Courses, delete: BIOL 3475 Alpine Plant Physiology. This course is no longer offered.

3

The number of FCEs allowed to be taken per semester (max. 0.5) and per academic year (max. 1.0) is limited to ensure that students take advantage of the full breath of the interdisciplinary program by enrolling in a variety of courses that are taught in a class-room setting, rather than focusing on research and special topics courses which are normally taught in a one-on-one setting. In addition, this change contributes to sustainability as it will increase enrolment in lecture courses and reduce the number of individual research and special topics courses.

A note is added to inform students considering Graduate School that an Honours Thesis is recommended and that they need to find a faculty supervisor.

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

1

<http://mycoursecalendar.lakeheadu.ca/pg544.html>

Four Year program

Students will be assigned a faculty advisor at the end of first year. The major average in Applied Bio-Molecular Science will be calculated on all required courses, including those specified in the List of Recommended Courses for third and fourth year of the program, but not including the open electives of the first, second and fourth years.

Editorial Changes in Program description:

Four Year program

The major average in Applied Bio-Molecular Science will be calculated on all required courses, including those specified in the List of Recommended Courses for the third and fourth year of the program, but not including the open electives of the first, second, third and fourth years.

2

<http://mycoursecalendar.lakeheadu.ca/pg544.html>

List of Recommended Courses

Anthropology 3136 - Forensic Anthropology  
Anthropology 3139/Biology 3139 - Molecular Anthropology II  
Anthropology 3312 - Medical Anthropology I  
Anthropology 3317 - Medical Anthropology II  
Anthropology 4219 - Human Skeletal and Dental Biology  
Anthropology 4417 - DNA in Forensic Science  
Anthropology 4419 - Ancient DNA  
Anthropology 4429 - Ancient DNA Internship  
Anthropology 4430 - Molecular Paleopathology  
Anthropology 4450 - Forensic and Archaeological Microscopy  
Applied Bio-Molecular Science 3135/Biology 3135 - Molecular Genetics  
Applied Bio-Molecular Science 4650/Biology 4650 - Issues in Biotechnology  
Applied Bio-Molecular Science 4710/Chemistry 4710 - Advanced Research Methodology  
Applied Bio-Molecular Science 4811 - Tutorial or Research Project I  
Applied Bio-Molecular Science 4813 - Tutorial or Research Project II  
Biology 3010/Kinesiology 3010 - Physiology of Exercise I  
Biology 3151 - Biogeography  
Biology 3250 - Comparative Animal

In the List of Recommended Courses, delete:  
BIOL 3475 Alpine Plant Physiology



Physiology I  
Biology 3251 - Comparative Animal  
Physiology II  
Biology 3330 - Molecular Biology of  
Development  
Biology 3470 - Plant Physiology and  
Biotechnology  
Biology 3475 - Alpine Plant Physiology  
Biology 3610/Environmental Studies 3610 -  
Environmental Biology  
Biology 3671 - Evolutionary Concepts  
Biology 3711 - Pathogenic Microbiology  
Biology 3770 - Biology of Food Safety  
Biology 3990 - Research Internship I  
Biology 3991 - Research Internship II  
Biology 4230 - Cancer Biology  
Biology 4710 - Limnology  
Biology 4711 - Applied and Environmental  
Microbiology  
Biology 4770 - Food Microbiology  
Chemistry 3131 - Analytical Chemistry II  
Forestry 3450/Biology 3450 - Biology of the  
Fungi  
Physics 2311 - Introduction to Optics  
Physics 3511 - Biological Physics  
One full course equivalent thesis course  
selected from: Anthropology 4901, Biology  
4101, Chemistry 4901 (Students must also  
take Chemistry 4111 if the Chemistry thesis is  
chosen), or Physics 4501

3

<http://mycoursecalendar.lakeheadu.ca/pg544.html>

no notes in current calendar entry

Add the following Notes:

Notes:

Notes:

A maximum of 0.5 FCE per semester and a maximum of 1.0 FCE per calendar year can be taken from both "Special Topics" courses (such as BIOL 3990, BIOL 3991, APBI 4811, APBI 4813, CHEM 4131, CHEM 4191, ANTH 3811, ANTH 3813, ANTH 3815, ANTH 3817, PHYS 4611) and research thesis courses (such as ANTH 4901, BIOL 4101, CHEM 4901, PHYS 4501).

If the student is considering graduate school, it is strongly recommended that the 3.0 FCEs from the List of Recommended Courses in Fourth Year include a research thesis. Students need to arrange for a faculty supervisor before the start of Fourth Year if they wish to enrol in a thesis course.

Section 3

The Faculty(ies) affected by the proposed calendar change

Science and 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

*Nov. 4 /11*

