

Request for Calendar Change Form

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

To	Secretary of Senate	
From	Name(Dean):	Faculty
	Dr. A. Dean	Science and Environmental Studies
	Department the change relates to	
	Computer Science	
	Contact Person	
	Dr. M. Benson	

Is the proposed calendar change Undergraduate

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 terms of their calendar change? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 2. Is a transition plan needed for student in progress? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 3. Are the proposed changes likely to affect student enrollment in your department/school/faculty? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 4. Are the proposed changes likely to affect student enrollment in other departments/schools/faculties at Lakehead University? | Yes
<input type="checkbox"/> | No
<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
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 6 Will the proposed changes affect existing teaching loads within your department/school/faculty? | Yes
<input type="checkbox"/> | No
<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
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 8. Will the proposed change require direct or in-kind support from outside the academic unit? | Yes
<input type="checkbox"/> | No
<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
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 10. Do the proposed changes include a change in course which is service/required course(s) in another program? | Yes | No |

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: Update our calendar to accommodate proposed mathematics changes in numbering of probability and statistics courses and revise our upper level mathematics electives
Rationale of the Proposed Calendar Change(s): (Corresponding to Section 2 where required)
1
<p>The proposed renumbering of second year mathematics courses (MATH2331 to MATH3XXX, MATH2333 to MATH3YYY) to third year courses motivates our moving these courses to third year or higher in our program. Keeping them in second year would portray an overly difficult second year to prospective and current students. Additionally we are reducing our overall mathematics requirements to move more inline with other computer science departments. The selection of a mathematics course from a list provides more choice for our students and gives mathematics more flexibility in delivering courses. The changes affect our science and business options, but not our hardware option. In the changes in this document we retain the numbers for MATH2331 and MATH2333, and anticipate that these numbers will change to the new numbers when the Mathematics changes are approved. The movement of the Sociology 2455 to second year from fourth year provides more structure to our second year with the gap created by the mathematics changes.</p> <p>Answers to above questions with a yes indication: Question 1: These changes anticipate the mathematics renumbering of courses. Additionally the list of mathematics electives for our program has been developed in consultation with the Mathematics Department. The Sociology Department has been consulted regarding the proposed movement of Sociology 2455 from our 4th to second year for our Science and Business options. Question 2: The proposed changes are more flexible in terms of electives so satisfying the proposed requirements after following the previous calendar will not be a problem. When the mathematics courses are renumbered as third year courses, Computer Science will use the previous second year counterparts as equivalent. Question 3: We expect the changes will make our programs more appealing with increased elective space and more choices in mathematics content.</p>

2

These changes will bring the three year concurrent education program in computer science inline with its counterpart in computer science. The changes are the result of Computer Science adjusting its program to accommodate the currently proposed changes from the Department of Mathematical Sciences regarding the renumbering of its probability and statistics courses from second year to third year numbers.

Answers to above questions with a yes indication:

Question 1:

These changes anticipate the mathematics renumbering of courses and require a change in a concurrent education program as listed below to keep the concurrent program close to the other related computer science programs.

Question 2:

When the mathematics courses are renumbered as third year courses, we will use the previous second year counterparts as equivalent. Students entering third year after completing the previous requirements in second year, can then take the Sociology 2455 in third year (or an elective if timetable problems arise)

Question 3:

We expect the changes will make our programs more appealing

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	
Page No. (Print) or URL (Electronic) http://mycoursecalendar.lakeheadu.ca/pg277.html	
Existing Entry (a) Business Option	Proposed Entry (a) Business Option
...	...
Second Year (Fall and Winter): (a) Mathematics 2255, 2275, 2331, 2333 (b) Computer Science 2412, 2453, 2476 and 2477 (c) Business 2012 and 2033	Second Year (Fall and Winter): (a) Mathematics 2255, 2275 (b) Computer Science 2412, 2453, 2476 and 2477 (c) Business 2012 and 2033 (d) Sociology 2455 (d) One half course elective
...	...
Third Year (Fall): (a) Computer Science 3413, 3415, 3473 (b) Business 3213 (c) One half-course elective	Third Year (Fall): (a) Computer Science 3413, 3415, 3473 (b) Business 3213 (c) Mathematics 2331
...	...
Fourth Year (Fall and Winter): (a) Computer Science 4411, 4433 and 4453 (b) Sociology 2455 (c) Business 4253 or 4273 (d) Mathematics 3331 (e) One FCE from List of Program Electives below (f) Two half-course electives	Fourth Year (Fall and Winter): (a) Computer Science 4411, 4433 and 4453 (b) Business 4253 or 4273 (c) Mathematics 2333 (d) One FCE from List of Program Electives below (e) Three half-course electives
...	...
Fifth Year (Winter): (a) Computer Science 4413 and either Computer Science 4431 or 4432 (b) Mathematics 3333 (c) One half-course elective from List of Program Electives below (d) One half-course elective	Fifth Year (Winter): (a) Computer Science 4413 and either Computer Science 4431 or 4432 (b) One half course elective from list of mathematics electives for computer science (c) One half-course elective from List of Program Electives below (d) One half-course elective
(b) Science Option Second Year (Fall and Winter):	

- (a) Mathematics 2111, 2255, 2275 and 2331
- (b) Computer Science 2412, 2453, 2476 and 2477
- (c) Two half-course electives

...

Third Year (Fall):

- (a) Computer Science 3413, 3415, 3473
- (b) Two half-course electives

...

Fourth Year (Fall and Winter):

- (a) Computer Science 4411, 4433 and 4453
- (b) Sociology 2455
- (c) Mathematics 3371
- (d) Three half-courses from List of Program Electives below
- (e) Two half-course electives (One of the electives must be Mathematics 2333, if not already taken.)

(b) Science Option

Second Year (Fall and Winter):

- (a) Mathematics 2111, 2255 and 2275
- (b) Computer Science 2412, 2453, 2476 and 2477
- (c) Sociology 2455
- (d) 1.0 FCE elective

...

Third Year (Fall):

- (a) Computer Science 3413, 3415, 3473
- (b) One half-course elective
- (c) Mathematics 2331

...

Fourth Year (Fall and Winter):

- (a) Computer Science 4411, 4433 and 4453
- (b) Mathematics 2333
- (c) One half course elective from list of mathematics electives for computer science
- (d) Three half-courses from List of Program Electives below
- (e) One FCE elective

List of mathematics electives for computer science:

- Mathematics 3351
- Mathematics 3371
- Mathematics 3331
- Mathematics 3333
- Mathematics 2111
- Mathematics 2131
- Mathematics 3373

2

Page No. (Print) or URL (Electronic)
<http://mycoursecalendar.lakeheadu.ca/pg827.html>

Existing Entry

6. BSc, BEd (Computer Science Major) I/S
 Four Year program
 A cumulative average of 65% in all courses is

Proposed Entry

6. BSc, BEd (Computer Science Major) I/S
 Four Year program

required. See Department of Undergraduate Studies in Education, Academic Regulation #2 regarding the average in the major.

Students must choose two teachable subjects. Due to its required concentration, the only second teachable is Mathematics. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

First Year:

- (a) Computer Science 1411, 1431
- (b) Mathematics 1171, 1172, 1271 and 1272
- (c) One FCE from English 1011, 1031, 1111, 1112 (It is recommended that at least one be from 1011, 1031)
- (d) One FCE chosen from: Biology 1110/1130, Chemistry 1101, Geography 1120, Geology 1110/1130, Physics 1101

Second Year:

- (a) Computer Science 2412, 2453, 2476, 2477
- (b) Mathematics 2111, 2255, 2275, 2331
- (c) Education Second Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

Third Year:

- (a) Computer Science 3413, 3415, 3473
- (b) Two half-courses in Computer Science at the third or fourth year level
- (c) One half-course from the List of Program Electives (See Department of Computer Science, Computer Science Programs)
- (d) One FCE elective
- (e) Education Third Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

Fourth Year (Professional Year):

- (a) Education Professional Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

A cumulative average of 65% in all courses is required. See Department of Undergraduate Studies in Education, Academic Regulation #2 regarding the average in the major.

Students must choose two teachable subjects. Due to its required concentration, the only second teachable is Mathematics. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

First Year:

- (a) Computer Science 1411, 1431
- (b) Mathematics 1171, 1172, 1271 and 1272
- (c) One FCE from English 1011, 1031, 1111, 1112 (It is recommended that at least one be from 1011, 1031)
- (d) One FCE chosen from: Biology 1110/1130, Chemistry 1101, Geography 1120, Geology 1110/1130, Physics 1101

Second Year:

- (a) Computer Science 2412, 2453, 2476, 2477
- (b) Mathematics 2111, 2255, 2275
- (c) Sociology 2455
- (d) Education Second Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

Third Year:

- (a) Computer Science 3413, 3415, 3473
- (b) Two half-courses in Computer Science at the third or fourth year level
- (c) One half-course from the List of Program Electives (See Department of Computer Science, Computer Science Programs)
- (d) Mathematics 2331
- (e) One half course elective
- (f) Education Third Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization.

Fourth Year (Professional Year):

- (a) Education Professional Year I/S Core Courses. See Department of Undergraduate Studies in Education, Concurrent Bachelor Degree Programs, Intermediate-Senior Specialization

Section 3

The 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.

I agree to this calendar change proposal

Yes

No

Name:

Andrew P. Dean

Faculty:

SES

Date:

Dec. 21/11

Signature of Dean



Section 3

The Faculty(ies) affected by the proposed calendar change

Science & Environmental Studies, Social Sciences & Humanities, Education

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:

Dr. A. Van Tuyl, Department of Mathematical Sciences

Faculty:

Science & Environmental studies

Date:

Nov 9, 2011

Signature of Dean

I agree to this calendar change proposal

Yes No

Name:

Dr. Sharon Stone, Department of Sociology

Faculty:

Social Sciences & Humanities

Date:

Signature of Dean

I agree to this calendar change proposal

Yes No

I agree to this calendar change proposal

Yes

No

Name: DR. JOHN O'NEARA

Faculty: EDUCATION

Education

Date: NOV 11, 2011



Signature of Dean

Section 3

The Faculty(ies) affected by the proposed calendar change

Science & Environmental Studies, Social Sciences & Humanities, Education

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:
Dr. A. Van Tuyl, Department of Mathematical Sciences
Faculty:
Science & Environmental studies
Date:

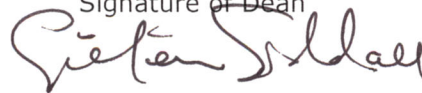
Signature of Dean

I agree to this calendar change proposal Yes No

Name:
Dr. Sharon Stone, Department of Sociology
Faculty:
Social Sciences & Humanities
Date:

Nov 15, 2011

Signature of Dean



I agree to this calendar change proposal Yes No