

MEMORANDUM

Date: September 16, 2010
To: Chair, SES Faculty Council
From: Dr. Adam Van Tuyl, Chair, Dept. of Math. Sci.
Subject: Calendar Changes from the Department of Mathematical Sciences

Please find attached the following calendar changes for the Department of Mathematical Sciences:

- Splitting Math 1160 and Math 1180 into half year courses
- Renaming Math 1210 and 1230

These calendar change were approved at our department meetings held on January 28, Febuary 2, and September 10, 2010. A hard copy, along with the necessary signatures, will be forwarded at a later date.

Sincerely,



Adam Van Tuyl, Chair

Department of Mathematical Sciences

COPY

Request for Calendar Change Form

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

Date:
03/03/2010

To Secretary of Senate
From Name(Dean): Dr. Andrew P. Dean Faculty Science & Environmental Studies
Department the change relates to Mathematical Sciences
Contact Person Dr. Adam Van Tuyl

Is the proposed calendar change Undergraduate

Instructions:

- 1. In all cases please complete and attach sections 1 and 2
- 2. If the calendar change affects other departments/schools/faculties complete and attach section 3
- 3. If the answer to any of the questions below is yes, please explain. Attach separate sheets with reference to the question

- | | | |
|--|--|---|
| 1. Do the proposed calendar entry affect other departments/schools/faculties in terms of their calendar? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 2. Is a transition plan needed for student in progress? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 3. Are the proposed changes likely to affect student enrollment in your department/school/faculty? | Yes
<input type="checkbox"/> | No
<input checked="" 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 a course(s) which is/are required core course(s) for a major in your, or another, department? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |

- | | | |
|--|--|---|
| 10. Do the proposed changes include a course(s) which is/are a service course(s) in your, or another, department? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 11. Do the proposed changes include a course(s) which is/are an open elective available to any student in any program? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 12. Do the proposed changes include a course(s) which is/are an elective in your major that is restricted to students in your major? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |

Signatures:

Date approved by faculty council

Section 1

Description of the Proposed Calendar Change:

Change title of Math 1210 and 1230

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

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Because we are splitting Math 1180 into two new courses (Calculus I and II), we need to re-title Math 1210 and 1230. The new title reflects the fact that this course is for Engineering. Some updates to the notes were also carried out. Because the number is not changing, this will not cause a calendar change in Engineering's calendar.

Note:

Math 1AAA refers to the new number for the first half of Math 1180 and Math 1BBB refers to the new number for the second half of Math 1180.

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

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<http://mycoursecalendar.lakeheadu.ca/pg180.html>

Mathematics 1210 Calculus I
Credit Weight: 0.5

Prerequisite(s): Mathematics 1077 or MHF4U

Description: Application of differentiation; definite and indefinite integrals; transcendental functions; complex numbers; techniques of integration.

Offering: 3-1; 0-0

Notes: Students who have taken Mathematics 2010 previously may not take Mathematics 1210 for credit.

[Update the current Math 1210 calendar entry to read:]

Math 1210 Calculus I for Engineers
Credit Weight: 0.5
Prerequisite(s): Math 1077 or MHF4U
Description: Application of differentiation; definite and indefinite integrals; transcendental functions; complex numbers; techniques of integration.
Offering: 3-1; 0-0
Notes: Engineering students may substitute Math 1AAA for Math 1210, with permission of the Dean of the Faculty of Engineering.

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<http://mycoursecalendar.lakeheadu.ca/pg180.html>

Mathematics 1230 Calculus II
Credit Weight: 0.5

Prerequisite(s): Mathematics 1210

Description: Applications of integration, introduction to multiple integrals sequences and series; power series. Note:

Offering: 0-0; 3-1

Notes: Engineering students may substitute Math 1180 for Math 1210/1230, with permission of the Dean of the Faculty of Engineering. Students who have taken Mathematics 2030 previously may not take Mathematics 1230 for credit.

[Update the current Math 1230 calendar entry to read:]

Mathematics 1230 Calculus II for Engineers
Credit Weight: 0.5
Prerequisite(s): Mathematics 1210
Description: Applications of integration, introduction to multiple integrals sequences and series; power series.
Offering: 0-0; 3-1
Notes: Engineering students may substitute Math 1BBB for Math 1230, with permission of the Dean of the Faculty of Engineering.

Section 3

The Faculty(ies) affected by the proposed calendar change

Faculty of Engineering

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

I agree to this calendar change proposal

Yes

No

If you choose "No" please explain why in the box below

Name:

Henri Saliba

Faculty:


Engineering

Date:

March 8/10

Signature of Dean

~~Henri Saliba~~
Adm Dr

Name: ADAM VAN TUYL


Math. Sept 16, 2010

I AGREE

Math 1210/1230

Explanation of Questions with YES.

Question 9 & 10: Math 1210 and 1230 is a service course taught by the Department of Mathematical Sciences for the Faculty of Engineering. These courses are required for students in engineering.