

Comp 2473 +
2476

Calendar change notes for COMP2473, COMP2476:

Item 1: The old COMP2473 is being replaced with the new COMP2476. This will need a change in the Mathematics of Computing (Co-op and Non Co-op options) Calendar listings which include COMP2473.

Item 2: Computer science will use either the old COMP2473 or the new COMP2476 for second year requirements.

Item 6: The deletion of one course will reduce the Department's Sessional needs.

Item 9: The new COMP2476 will be required for all second year Computer Science students.

Item 10: COMP2473 was required in Mathematics of Computing (Co-op and Non Co-op options)

COMP2476 is required in the Software Engineering program

Request for Calendar Change Form

Tracking No:
 (Senate Secretary's Office
 use only)
 Date:
 21/09/2009

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 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 checked="" type="checkbox"/> | No
<input 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 checked="" type="checkbox"/> | No
<input 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

Oct 1/09

Section 1

Description of the Proposed Calendar Change:

Change COMP2476 to combine old COMP2476 and COMP2473, Delete COMP2473 and replace with new COMP2476

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

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Student numbers are low and a savings can be had by combining content from the two courses and having Computer Science and Software Engineering students both take the new combined course.

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Since we are deleting COMP2473 "Computer Architecture II", need to remove the "1" from COMP2453 title.

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/pg144.html>

Computer Science 2476 Introduction to Operating Systems
Credit Weight: 0.5

Prerequisite(s): Computer Science 1431

Description: A practical introduction to operating systems. Basic concepts are examined by using a model operating system. Install and configure the model operating system. Diagnose operating system faults.

Offering: 0-0; 2-2

Computer Science 2476 Introduction to Assembly Language and Operating Systems
Credit Weight: 0.5

Prerequisite(s): Computer Science 1431

Description: Assembly-level machine organization. Memory system organization and architecture. Writing simple I/O routines and interrupt handlers. Introduction to initialization and process management in a Unix or Unix-like operating system.

Offering: 0-0; 2-2

2

<http://mycoursecalendar.lakeheadu.ca/pg144.html>

Computer Science 2473 Introduction to Computer Architecture II
Credit Weight: 0.5

Prerequisite(s): Computer Science 2453

Description: Assembly-level machine organization. Memory system organization and architecture. Interfacing and communication. Writing simple I/O routines and interrupt handlers. The organization of a modern digital computer at Instruction Set Processor level is studied.

Offering: 0-0; 3-1

Delete COMP2473

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<http://mycoursecalendar.lakeheadu.ca/pg277.html>

(a) Business Option

(a) Business Option

Second Year (Fall and Winter):

- (a) Mathematics 2255, 2275, 2331, 2333
- (b) Computer Science 2412, 2453, 2473 and 2477
- (c) Business 2012 and 2033

Note:

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<http://mycoursecalendar.lakeheadu.ca/pg277.html>

(b) Science Option

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Second Year (Fall and Winter):

- (a) Mathematics 2111, 2255, 2275 and 2331
- (b) Computer Science 2412, 2453, 2473 and 2477
- (c) Two half-course electives

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<http://mycoursecalendar.lakeheadu.ca/pg277.html>

(c) Hardware Option

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Second Year (Fall and Winter):

- (a) Mathematics 2111 and 2131
- (b) Computer Science 2412, 2453, 2473 and 2477
- (c) Physics 2211, 2311, 2331, 2332

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<http://mycoursecalendar.lakeheadu.ca/pg144.html>

Computer Science 2453 Introduction to
Computer Architecture I
Credit Weight: 0.5

Prerequisite(s): Computer Science 1431

Description: Digital logic. Digital systems. Machine-level representation of data. Major component parts of a modern digital computer, namely, control unit, arithmetic and logic units, memory units and peripheral interfaces are studied.

Offering: 3-0; 0-0

Second Year (Fall and Winter):

- (a) Mathematics 2255, 2275, 2331, 2333
- (b) Computer Science 2412, 2453, 2476 and 2477
- (c) Business 2012 and 2033

Note:

(b) Science Option

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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

(c) Hardware Option

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Second Year (Fall and Winter):

- (a) Mathematics 2111 and 2131
- (b) Computer Science 2412, 2453, 2476 and 2477
- (c) Physics 2211, 2311, 2331, 2332

Computer Science 2453 Introduction to
Computer Architecture
Credit Weight: 0.5

Prerequisite(s): Computer Science 1431

Description: Digital logic. Digital systems. Machine-level representation of data. Major component parts of a modern digital computer, namely, control unit, arithmetic and logic units, memory units and peripheral interfaces are studied.

Offering: 3-0; 0-0

Section 3

The Faculty(ies) affected by the proposed calendar change:

Engineering (Software Engineering)

Department of Mathematical Sciences

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: Rachid BENLAMRI

Faculty: Engineering

Date: Sept. 23rd, 2009.

Signature of Dean:

&

Henri A. B. ~~Bo~~

Section 3

The Faculty(ies) affected by the proposed calendar change

Engineering (Software Engineering)

Department of Mathematical Sciences

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: Adam Van Tuyl

Faculty: Math Sci Sept 23, 2009

Date: Oct. 3/09

Signature of Dean 