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MEMORANDUM

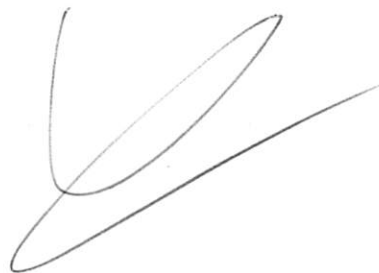
ATTENTION	Senate	DATE	8 December 2014
FROM	Mary-Ellen Kelm, Acting Dean of Graduate Studies	NO.	GS2014.50
RE:	Faculty of Applied Science		

For information:

Acting under delegated authority at its meeting of December 1, 2014, SGSC approved the following program change effective Fall 2015:

Faculty of Applied ScienceSchool of Mechatronic Systems Engineering

Program requirement changes to Mechatronic Systems Engineering PhD





FACULTY OF APPLIED SCIENCES

OFFICE OF THE DEAN

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Canada V5A 1S6

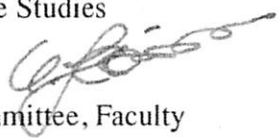
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MEMORANDUM

ATTENTION Dr. Mary-Ellen Kelm
Acting Dean, Graduate Studies

DATE November 10, 2014

FROM Dr. Uwe Glässer 
Graduate Studies Committee, Faculty
of Applied Sciences

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RE: Revisions to Ph.D. program in Mechatronic Systems Engineering

The Faculty of Applied Sciences Graduate Studies Committee has unanimously approved by electronic vote on November 9, 2014 two revisions proposed by the School of Mechatronic Systems Engineering to their Ph.D. program in Mechatronic Systems Engineering (MSE).

The rationale for proposing these two changes are: 1) reducing course requirements to focus on Ph.D. research and to shorten the time to graduation; and 2) emphasizing technical writing for Ph.D. students. Please find the original proposal and a calendar entry change form attached.

Would you please place this proposal on the agenda for the next SGSC meeting?

cc: Dr. Martin Ester, Director, School of Computing Science
Dr. Farid Golnaraghi, Director, School of Mechatronic Systems Engineering
Dr. Kamal Gupta, Director, School of Engineering Science

enclosures



SIMON FRASER UNIVERSITY
SURREY

SCHOOL OF MECHATRONIC SYSTEMS ENGINEERING

November 10, 2014

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Memorandum

A handwritten signature in black ink, appearing to read "M. Moallem", is written over the "From:" line of the memorandum.

From: Mehrdad Moallem, MSE Graduate Program Committee Chair

To: Uwe Glässer, Associate Dean, Faculty of Applied Sciences

Subject: **Modifications to the MSE Graduate Ph.D. Program**

The attached changes were approved at the MSE GPC and subsequently at the School meeting on Oct 27, 2014. The proposed changes are submitted for final approvals and calendar changes.

Proposal 1: Ph.D. course requirements

Effective Fall 2015, the minimum course requirements will be reduced to 15 credits (5 courses) as follows:

- Four (4) graduate level technical courses that may include at most one directed studies course (MSE 891/892). Of the above 4 courses, at least 6 credits (2 courses) must be graduate level courses offered at MSE
- Students must discuss and approve their course selections with senior supervisors
- One (1) mandatory 3 credit technical writing course (MSE801: Research and Publication Methods or ENSC 803: Writing for Publication)

Motivation:

- To let the students focus on their research by reducing the course requirements and shorten the duration of Ph.D. studies
- To emphasize technical writing for Ph.D. students

Proposal 2: Students transferring from Master's program to Ph.D. without completing the Master's degree

Proceeding to a Ph.D. program without completing a Master's degree is discouraged. However, a student may be admitted when all of the following conditions have been met:

- The application for a transfer is submitted within the first six terms of the MASc program at SFU
- All the MASc coursework requirements have been completed with a CGPA of 3.67/4.33 or better
- A recommendation by the senior supervisor indicates demonstrated potential for outstanding research
- The student's supervisory committee and the graduate program committee approve

Once transferred into the Ph.D. program, the additional course requirements are as follows:

- MSE 801 (or ENSC 803)
- Two graduate MSE courses (at most one directed studies course can be taken during the combined Master's/Ph.D. program)

Motivation: To match Proposal 1 and attract outstanding Master's students to the MSE Ph.D. program

Calendar Entry Change for Ph.D. Program, School of Mechatronic Systems Engineering

Summary of change:

1. Reduction of the number of required technical courses in the Ph.D. program from 6 to 4
2. Addition of a mandatory technical writing course.
3. Revision of the requirements for Master's students transferring into the Ph.D. program.

Rationale for change:

- To let the students focus on their research by reducing the course requirements and shorten the duration of Ph.D. studies.
- To emphasize technical writing for Ph.D. students.

Will this change impact current students? If yes, what is the plan for current students?

No. The change will be effective from Fall 2015 for Ph.D. students entering the program.

Ph.D. program requirements

Calendar: <http://www.sfu.ca/students/calendar/2014/fall/programs/mechatronic-systems-engineering/doctor-of-philosophy.html>

FROM	TO
Course Requirements The minimum requirement is 18 units beyond that of the MASc degree. At least six units must be mechatronic systems engineering graduate courses. At most, six units may be senior undergraduate courses. At most, six units may be directed studies. Alternative technical courses outside mechatronic systems engineering can be substituted with the approval of the student's supervisory committee. Additional courses may be required to correct deficiencies in the student's background. Transfer from the Master's Program to the PhD Program Proceeding to a PhD program without completing a master's degree is discouraged. However, a student may be admitted after at least 12 months in the master of applied science (MASc) program if all non-thesis course requirements have been completed with a 3.67 or better cumulative grade point average (CGPA), outstanding potential for research has been shown, and approval of the student's supervisory committee, graduate program committee and senate graduate studies	Course Requirements <u>The minimum course requirements are as follows:</u> • <u>MSE 801 (or ENSC 803)</u> • <u>Two graduate MSE courses (not directed studies)</u> • <u>Two graduate technical courses (at most one course may be directed studies MSE 891/892)</u> <u>Students may take additional courses to correct any deficiencies in their background upon approval of their senior supervisors.</u> Transfer from the Master's Program to the PhD Program <u>Proceeding to a Ph.D. program without completing a Master's degree is discouraged. However, a student may be admitted when all of the following conditions have been met:</u> • <u>The application for a transfer is submitted within the first six terms of the MASc program at SFU</u> • <u>All the MASc coursework requirements have been completed with a CGPA of 3.67/4.33 or better</u>

committee has been given.	• <u>A recommendation by the senior supervisor indicates demonstrated potential for outstanding research</u> • <u>The student's supervisory committee and the graduate program committee approve</u> <u>Once transferred into the Ph.D. program, the additional course requirements are as follows:</u> • <u>MSE 801 (or ENSC 803)</u> • <u>Two graduate MSE courses (at most one directed studies course can be taken during the combined Master's/Ph.D. period)</u>
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