

New Program/Major or Minor/Concentration Proposal Form

2.0 Administering Eaculty/I Init	
2.6 / tarihinotoning r addity/onit	
Graduate and Postdoctoral Studies	
Offering Faculty/Department	
Engineering / Mining and Materials Engineering	
3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term	
201801	
Linto two distinct programs, the Ph.D. Mining Engineering (program	
am submitted concurrently) and the Ph.D. Materials Engineering, for representative of the disciplines. This program split is part of the ts for the new program are the same as for the current program.	
5.3 Level	
am (FP) Undergraduate	
Dentistry/Law/Medicine	
Continuing Studies (Non-Credit)	
tration (CON) Collegial	
Masters & Grad Dips & Certs	
Itration (CON) <u>Doctorate</u>	
N) Post-Graduate Medicine/Dentistry	
Component (HC) Graduate Qualifying	
-op Postdoctoral Fellows	
(for GPS) Yes No	
J) (10: 0: 0) <u></u> 110	
/	
7.0 Consultation with	
Related Units Voc No	
Related Units Yes <u>No</u>	

8.0 Program Description (Maximum 150 words)

Please consult the Department for more information about the Ph.D.

9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

Ph.D.; Materials Engineering

A candidate for this degree must pass a minimum of two courses assigned by the Department. These are selected on the basis of the student's previous academic training and research interests. The candidate must also pass a safety training course in the first year of his/her Ph.D. registration. The candidate is required to participate in an appropriate Research Seminar course and is expected to take a preliminary examination within the first year of his/her Ph.D. registration.

The candidate must submit an acceptable thesis based upon successfully completed research and must satisfy the examiners in an oral examination of the thesis.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

MIME 601 Engineering Laboratory Practice (0) MIME 701 Ph.D. Thesis Research Proposal (0) MIME 710 Ph.D. Foundation Course (3) MIME 771 Research Seminar 2 (6)

In addition to the successful completion of the required courses above, students must complete 6 credits of courses at the 500-level or higher, approved by their supervisor.

Layout of existing – Doctor of Philosophy (Ph.D.) Mining and Materials Engineering

Program Requirements

A candidate for this degree must pass a minimum of two courses assigned by the Department. These are selected on the basis of the student's previous academic training and research interests. The candidate must also pass a safety training course in the first year of his/her Ph.D. registration. The candidate is required to participate in an appropriate Research Seminar course and is expected to take a preliminary examination within the first year of his/her Ph.D. registration.

The candidate must submit an acceptable thesis based upon successfully completed research and must satisfy the examiners in an oral examination of the thesis.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

10.0 Approvals				
Routing Sequence	Name	Signature	Date	
Department	Prof. Georae Demopoulos	a Dergo me	March 24,2017	
Curric/Acad Committee	Prof. Laurent Mvdlarski	d. freque	lla. 27, 2017	
Faculty 1	Prof. Laurent Mvdlarski	dille	lla. 27, 2017	
Faculty 2				
Faculty 3				
CGPS				
SCTP				
APC				
Senate				
Submitted by				
Name	Prof. Richard Chromik	To be completed by ARR:		
Phone	514-398-5686	CIP Code		
Email	Richard.chromik@mcoill.ca			
Submission Date	March 1. 2017			