



## Program/Major or Minor/Concentration Revision Form

(2013)

<p>1.0 Degree Title Specify the two degrees for concurrent degree programs</p> <p>Doctor of Philosophy (Ph.D.)</p>	<p>2.0 Administering Faculty/Unit</p> <p>Graduate and Postdoctoral Studies</p>																
<p>1.1 Major (Legacy= Subject) (30-char. max.)</p> <p>Mining Engineering</p>	<p>Offering Faculty/Department</p> <p>Engineering / Mining and Materials Engineering</p>																
<p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)</p> <p></p>	<p>3.0 Effective Term of revision or retirement Please give reasons in 5.0 "Rationale" in the case of retirement (Ex. Sept. 2004 = 200409)     <input type="checkbox"/> Retirement</p> <p>Term: 201801</p>																
<p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <p></p>	<p>4.0 Existing Credit Weight     Proposed Credit Weight</p> <p>0     </p>																
<p>1.4 Category</p> <table border="0"> <tr> <td><input type="checkbox"/> Faculty Program (FP)</td> <td><input type="checkbox"/> Honours (HON)</td> </tr> <tr> <td><input type="checkbox"/> Major</td> <td><input type="checkbox"/> Joint Honours Component (HC)</td> </tr> <tr> <td><input type="checkbox"/> Joint Major</td> <td><input type="checkbox"/> Internship/Co-op</td> </tr> <tr> <td><input type="checkbox"/> Major Concentration (CON)</td> <td><input checked="" type="checkbox"/> Thesis (T)</td> </tr> <tr> <td><input type="checkbox"/> Minor</td> <td><input type="checkbox"/> Non-Thesis (N)</td> </tr> <tr> <td><input type="checkbox"/> Minor Concentration (CON)</td> <td><input type="checkbox"/> Other</td> </tr> <tr> <td></td> <td>Please specify</td> </tr> <tr> <td></td> <td></td> </tr> </table>	<input type="checkbox"/> Faculty Program (FP)	<input type="checkbox"/> Honours (HON)	<input type="checkbox"/> Major	<input type="checkbox"/> Joint Honours Component (HC)	<input type="checkbox"/> Joint Major	<input type="checkbox"/> Internship/Co-op	<input type="checkbox"/> Major Concentration (CON)	<input checked="" type="checkbox"/> Thesis (T)	<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)	<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other		Please specify			<p>5.0 Rationale for revised program</p> <p>The Ph.D. Mining and Materials Engineering is being separated into two distinct programs, the Ph.D. Mining Engineering and the Ph.D. Materials Engineering (new program proposal submitted concurrently) for easier administration and to have degree names that are more representative of the disciplines. This program split is part of the recent strategic plan of the Department. The required courses are being specified.</p>
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<p>1.5 Complete Program Title</p> <p>Ph.D.; Mining Engineering</p>																	

6.0 Revised Program Description (Maximum 150 words)

## 7.0 List of existing program and proposed program

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

**Ph.D.; Mining and 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.

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.; Mining 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.

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**Required Courses**

MIME 601 Engineering Laboratory Practice (0)  
MIME 701 Ph.D. Thesis Research Proposal (0)  
MIME 776 Research Seminar 3 (6 credits)

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.

8.0 Consultation with  
Related Units Yes  No

Financial Consult

 Yes  No

Attach list of consultations

## 9. Approvals

Routing Sequence	Name	Signature	Date
Department	Prof. George Demopoulos		March 24, 2017
Curric/Acad Committee	Prof. Laurent Mydlarski		Mar 27, 2017
Faculty 1	Prof. Laurent Mydlarski		Mar 27, 2017
Faculty 2			
Faculty 3			
CGPS			
SCTP			
APC			
Senate			

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code

10. FQRSC (Research) Indicator (for GPS): Yes No