

Cyclical Program Review of Academic Programs offered by the Department of Mining Engineering

Progress Report on Implementation Plan: 4-year

Date: 2/17/2022

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Programs	Degrees
Mining Engineering	BASc, MASc, MEng, PhD

Signature of Unit Head

Date

Signature of Faculty Dean

Date

Signature of Dean (SGS)

Date

Signature of Associate Vice-Principao (Teaching

Recommendation 1: The Reviewers recommend that the unit increase the mining engineering presence in 1st year engineering. In particular, co-teach APSC 151 with the Geology department. Also, the unit acknowledges that APSC 151 was recently split into “biology” and “geology” modules, but also noted that the biology module is being taught by geology.

Proposed follow-up	Review course content of APSC 151
Responsibility for leading follow-up	Department Head
Timeline for addressing recommendation	By February 2019
Are there additional deliverables associated with the proposed follow-up?	No
Which support units have been engaged as collaborators in supporting additional deliverables? (If no, please indicate 'N/A')	

What is the current status of the follow-up?

	triple bottom line (People-Planet-Profit), Risk Analysis, social license to operation, and community engagement including Indigenous perspectives.
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Recommendation 2: Reviewers recommend the unit increase the undergraduate enrolment. This includes: 1) targeting 35 to 40 students in 2nd year, 2) increasing presence in 1st year (see recommendation #1 above), 3) updating and revitalizing the curriculum.	
Proposed follow-up	Implement a strategic plan to revitalize the curriculum. Consult with the Centre for Teaching and Learning. In order to introduce mining to first-year students, continue to supervise APSC 100 projects and teach part of APSC 151
Responsibility for leading follow-up	Department Head
Timeline for addressing recommendation	Revitalizing the curriculum by the end of 2018-2019 academic year. Mentoring first-year students ongoing
Are there additional deliverables associated with the proposed follow-up?	No
Which support units have been engaged as collaborators in supporting additional deliverables? (If no, please indicate 'N/A')	
What is the current status of the follow-up?	In process
Include a completion percentage	>75%

Timeline for addressing recommendation

	Energy efficiency: a position on energy efficient mining will be open to replace the retirement of a faculty member that was focus on ventilation and underground mining.
Recommendation 4: Reviewers recommend that the unit increase cooperation with the Department of Geology at the undergraduate level.	
Proposed follow-up	Initiate discussions between the two units. Foster positive relations between the two departments
Responsibility for leading follow-up	Department Head
Timeline for addressing recommendation	Ongoing
Are there additional deliverables associated with the proposed follow-up?	No
Which support units have been engaged as collaborators in supporting additional deliverables? (If no, please indicate 'N/A')	
What is the current status of the follow-up?	In process
Include a completion percentage	>50%
Please provide a brief description of the current, completed or planned work	Ongoing conversations with the Department of Geological Sciences and Geological Engineering have led to research collaboration (co supervision of graduate students), to joint teaching of APSC 151, and review of course content in GEOE 262.

Recommendation 5: Reviewers recommend that the unit consider student feedback on the undergraduate curriculum. This includes having more labs, discouraging 70% final exams, having a design course in 3rd

Please provide a brief description of the current, completed or planned work	Student feedback is systematically reviewed in the Department. The Department has emphasized the recommendation to lower the weight of the final exam and increase the weight of other activities, such as labs, seminars, assignments and quizzes. Currently, no mining course has an exam weighted over 50%.
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Recommendation 6: Reviewers recommend that the unit continue to work on the “Towards a Strategic Plan” initiative. Although all faculty support change, it is a worthwhile target to consider a new undergraduate curriculum in 2020/2021 (with a submission due Oct 2019).	
Proposed follow-up	CUU+Pna\$ EÜXtoŠσ † {úotú\$°nŃ tP†Ω nQnún+úuΦ\$

Responsibility for leading follow-up	Department Head, hiring committees and equity office
Timeline for addressing recommendation	Ongoing
Are there additional deliverables associated with the proposed follow-up?	No
Which support units have been engaged as collaborators in supporting additional deliverables? (If no, please indicate 'N/A')	
What is the current status of the follow-up?	Completed
Include a completion percentage Please provide a brief description of the current, completed or planned work	100% The Department has made significant efforts to increase the female enrollment both among students and faculty members. This is confirmed with the hiring of two female faculty members in 2019 as well as with the position for a CRC Tier 2 in Critical Metals, which is open to candidates that self-

Recommendation 8: Reviewers recommend that the unit resurrect GCCR (i.e. social performance management in the extractive industries) by: 1) reducing tuition per course, 2) improving online content to that seen with BTech, and 3) making elements available to the undergraduates (social responsibility, community relations).	
Proposed follow-up	Improve the content of the graduate diploma by implementing best practices from the Btech program. Extend some academic content to undergraduates
Responsibility for leading follow-up	Department Head
Timeline for addressing recommendation	By May 2019
Are there additional deliverables associated with the proposed follow-up?	No
Which support units have been engaged as collaborators in supporting additional deliverables? (If no, please indicate 'N/A')	
What is the current status of the follow-up?	In process
Include a completion percentage	>75%
Please provide a brief description of the current, completed or planned work	The program now called Social Performance Management in the Extractive Industries (SPMEI) has been updated and the fees have been reduced in 2021 to attract more interest. However, the program has not yet attracted a large number of students.

What is the current status of the follow-up?	Completed
Include a completion percentage	100%
Please provide a brief description of the current, completed or planned work	The Department has emphasized the breadth of career options that a mining degree offers during