

Memo



TO: Lon Knox, Secretary to Senate

FROM: Ann Messenger, Secretary
Faculty Board, Faculty of Engineering and Applied
Science

DATE: January 16, 2013

SUBJECT: Referral of Motion

FACULTY OF ENGINEERING AND APPLIED SCIENCE
OFFICE OF THE DEAN

Beamish-Munro Hall, Room 200
Queen's University
Kingston, Ontario, Canada K7L 3N6
Tel 613 533-2055
Fax 613 533-6500
<http://appsci.queensu.ca/>

As required under the Senate "Policy on the Establishment and Designation of Named and Funded Chairs and Professorships", at the meeting of January 16, 2013 the Engineering and Applied Science Faculty considered the proposal on the establishment of "The Allied Nevada Professorship in Surface Mine Planning & Design". The following motion was approved:

"that the Faculty of Engineering and Applied Science recommend to Senate the establishment of the endowed Faculty Professorship, to be known as The Allied Nevada Professorship in Surface Mine Planning & Design"

Ann Messenger
Secretary, Faculty Board
Faculty of Engineering and Applied Science

Attachment: Proposal

Queen's Faculty of Engineering and Applied Science

The Allied Nevada Professorship in Surface Mine Planning & Design

Establishment of Fund

The **Allied Nevada Professorship in Surface Mine Planning & Design** was established through a gift of \$2,000,000 made to Queen's University at Kingston by **Allied Nevada Gold Corporation**. The gift is to be paid to Queen's University over a four year period, in annual installments of \$500,000 each, commencing January 2013.

Purpose

The Allied Nevada Professorship in Surface Mine Planning & Design will solidify this area in the Mining Engineering curriculum, enable the development of sustainable solutions in surface mines domestically and internationally and educate graduate and undergraduate students as well as professionals in the application of modern design concepts and techniques. The duties of the incumbent of the Professorship are:

- Championing the investigation, development, and application of integrated, systems-based, concepts for holistic solutions to the surface mining life cycle.
- Serving as a focal point, bridging the diverse technical, socio-economic, regulatory, and policy facets of the surface mining life cycle.
- Enhancing the content and relevance of courses in the area of Surface Mining, to undergraduate and graduate students.
- Providing leadership for development and delivery of state-of-the-art professional development courses in this field.

Criteria

Desirable qualifications are a doctoral degree in engineering. He or she should have a record of working with both academics and industry, a developing or developed research and teaching program in surface mine planning and design. The Professorship is to be held by a faculty member in the Robert M. Buchan Department of Mining whose focus of research and teaching is in the area of Surface Mine Planning & Design

Nomination procedure

Individuals may be self-nominated or nominated by faculty members of the Robert M. Buchan Department of Mining. In all cases, candidates must provide a current curriculum vitae and a brief summary of their research plans for the next five years, and any other relevant material that they choose. External candidates must follow regular University hiring procedures.

Selection procedure

Selection will be made by the Robert M. Buchan Department of Mining Appointments Committee and the Head of the Department.

Terms of the Award

The Allied Nevada Professorship in Surface Mine Planning & Design is awarded for a one to five year period. Recipients receive a minimum of \$15,000 in research funding per year during the tenure of the award.

Renewable

The Chair will be appointed for a term of 1 year to 5 years. A full review by a committee appointed by the Department will be undertaken upon consideration of renewal of the Professorship regardless of the initial appointment.

A CHECKLIST OF INFORMATION REQUIRED BY THE SENATE FOR PROPOSALS TO ESTABLISH AND DESIGNATE NAMED AND FUNDED CHAIRS AND PROFESSORSHIPS

The Senate determines all matters of an academic character which affect the University as a whole. Senate approves the establishment and designation of named and funded Chairs and Professorships based on the recommendation of the Senate Committee on Academic Development (SCAD) and the Office of the Provost and Vice-Principal (Academic). The Senate will forward the approved proposal to the Board of Trustees for ratification.

The governing policy document is: *Policy on the Establishment and Designation of Named and Funded Chairs and Professorships (2010)*. Based on the parameters provided in the policy, the following information should be included in the proposal submitted to the Senate.

1. TITLE

- Type of proposal:
 - **Professorship**
- Proposed name of the Chair/Professorship and area(s) of academic endeavour.
 - **The Allied Nevada Professorship**
 - **Surface Mine Planning & Design**
- Host department/faculty
 - **Faculty of Engineering and Applied Science – The Robert M. Buchan Department of Mining**
- Term of appointment
 - **1 to 5 years, renewable**

2. ACADEMIC INFORMATION

- Responsibilities of the Professorship
 - Research
 - **He or she will undertake research on the application of integrated, systems-based concepts for holistic solutions to the surface mining life cycle**
 - Teaching and Graduate Supervision
 - **Providing undergraduate and graduate instruction**
 - **Supervising and mentoring grad students**
 - Other (including but not limited to service)
 - **Provide leadership for the development and delivery of state-of-the-art professional courses**
 - **Prepare annual stewardship reports to the donor**
- Identify how the Chair/Professorship will contribute to the goals of the academic unit and the university.

- **The primary contribution is teaching and research in Surface Mining. The chair will stimulate both collaborative research and activity between academia, government and industry, enhance graduate research, and bring additional national and international recognition to the Mining Engineering program at Queen's University.**

- Identify interdisciplinary connections, if applicable.
 - **The Professor will facilitate inter-departmental, inter-faculty and inter-institutional initiatives to be able to bridge technical, socio-economic, regulatory and policy facets of the surface mining cycle.**

- Any other relevant academic information.

3. BUDGET INFORMATION

The following table highlights the funding sources available to cover the salary, benefit, and research support costs associated with the proposed Chair for the first five years.

The Allied Nevada Professorship in Surface Mine Planning and Design					
	Year 1	Year 2	Year 3	Year 4	Year 5
Revenue Funding					
Endowment value	500000	1000000	1500000	2000000	2000000
Endowment units @2.4376 (Nov. 1012)	205120	410240	615359	820479	820479
Annual yield \$0.1081/unit (Nov. 1012)	22173	44347	66520	88694	88694
Expenses					
Research assistance	15000	15000	15000	15000	15000
Salary (assume 3.4/4.4/3.73/3.73 % increase)	120000	124080	129540	134371	139383
Benefits at 22%	26400	27298	28499	29562	30664
Total	161400	166378	173038	178933	185048
Expenses -Revenue (by Buchan Endowment Fund)	139227	122031	106518	90239	96354

4. APPROVAL

Proposals must be signed and dated to indicate department and/or faculty approval.

Faculty:  Date: January 11, 2013
 Kimberly A. Woodhouse, Dean, Faculty of Engineering and Applied Science

5. SUBMISSION TO SENATE

Submit signed proposal to: Secretary of the Senate

senate@queens.ca

Proposals will be referred by the Secretary of the Senate to SCAD and the Office of the Provost and Vice-Principal (Academic).

Policy: <http://www.queensu.ca/secretariat/senate/policies/chairses.html>