



VANCOUVER SENATE

MINUTES OF 18 FEBRUARY 2015

Attendance

Present: Prof. A. Gupta (Chair), Dr K. Ross (Secretary), Mr T. Ahmed, Dr R. Anstee, Dr S. Avramidis, Mr A. Bailey, Dr K. Baimbridge, Mr G. Beales Mr C. Chan, Ms C. Chan, Dr P. Choi, Dr A. Collier, Dean M. Coughtrie, Prof. B. Craig, Dr A. Dulay, Dr W. Dunford, Dr D. Farrar, Dr S. Forwell, Dean B. Frank, Dr J. Gilbert, Chancellor L. Gordon, Mr S. Haffey, Dr P. Harrison, Dr J. Innes, Mrs C. Jaeger, Ms J. Jagdeo, Ms N. Karimi, Dr P. Keown, Ms A. Kessler, Dr B. Lalli, Mr C. Leonoff, Dr P. Loewen, Mr K. Madill Ms M. Maleki, Dr C. Marshall, Mr B. McNulty, Dr P. Meehan, Mr D. Munro, Dr I. Parent, Dean M. Parlange, Dr N. Perry, Dr J. Plessis, Dean S. Porter, Dr A. Riseman, Dr L. Rucker, Dean C. Shuler, Dr R. Sparks, Dr R. Tees, Dr K. Theime, Dr S. Thorne, Ms S. Vorha, Dr L. Walker, Mr E. Zhao,

Regrets: Dr P. Adebar, Dean G. Averill, Ms E. Biddlecombe, Dean M. Bobinski, Dr L. Burr, Ms M. Chartrand, Ms A. Daulat, Ms B. Grshkovitch, Dr D. Gillen, Dr C. Godwin, Dr B. Goold, Dr F. Granot, Ms S. Gurm, Dean R. Helsley, Dr A. Ivanov, Dr S. Knight, Mr H. Leong, Dr P. Marshall, Dr L. Nasmith, Dr C. Naus, Dr C. Nislow, Dean S. Peacock, Dr G. Peterson, Mr C. Roach, Dr C. Ruitenbergh, Dr B. Sawatzky, Dr T. Schneider, Dr S. Singh, Ms S. Sterling, Dean G. Stuart, Dr R. Topping, Mr J. Wiebe, Dr R. Wilson, Dr D. Witt, Dean R. Yada

Recording Secretary: Mr C. Eaton.

Call to Order

The Chair of Senate, Professor Arvind Gupta, called the sixth regular meeting of the Vancouver Senate for the 2014/2015 academic year to order at 6:05 pm.

Senate Membership

The Registrar, Dr Kate Ross, declared the seat of Professor Isabel Grant, Faculty Representative for the Faculty of Law, vacant due to her resignation from Senate.

Minutes of the Previous Meeting

Graham Beales	}	<i>That the Minutes of the Meeting of 21 January 2015 be adopted as corrected.</i>
Richard Tees		

Correction: Dr Tees' comments on the motion presented under Other Business are recorded as "Senator Tees reminded Senators that in November, the Nominating Committee recommended that a standing committee not be struck on athletics and recreation."

Approved as
corrected

Remarks from the Chair

The President advised that since the previous Senate, he had been to Ottawa twice to meet with federal officials in advance of the April budget and to discuss post-secondary education policies. He had also met with the Minister of Advanced Education, the Honourable Andrew Wilkinson, who toured the Okanagan campus. The President noted that the Minister continued to emphasize his desire to work closely on shared priorities between UBC and the Ministry.

Professor Gupta noted that he continued to work on budgetary matters, with specific reference to the importance of ensuring a balanced consolidated budget, while also keeping in mind our cash budget. He noted that UBC had been running a deficit in the consolidated budget earlier in the year and this has now been brought into line. We are in a consultation process on this year's budget, and have had a number of meetings with the executive, Board, Senate and various academic leaders around campus.

UBC is in the final stages of submitting our first Canada First Research Excellence Fund (CFREF) proposals for round one, where roughly \$300 million in federal funding is available; round two will be a further \$900 million.

With regards to teaching and learning, the President advised that the administration is interested in how we can help grow our activities outside of the classroom. He suggested that this was an area with broad support and agreement for UBC to bolster his activities, so he hoped we could quickly develop a plan to move forward.

The President noted that a consultation process was underway for revisions for Policy 81. The Faculty Association and the administration have reset their conversation and new language has come forward that the President described as resulting from a collegial and consultative process.

Professor Gupta noted UBC's recent successes for donor activities, including the \$30 million commitment from Peter Allard for UBC Law, which at its last meeting the Senate approved to be renamed as the Peter A. Allard School of Law in his honour.

The President noted that UBC was actively engaged in resolving the problems of changes to the Temporary Foreign Working program for the recruitment of faculty: while postdoctoral researchers were considered by that change, issues were created for filling faculty positions. He expressed hope that the federal government would promulgate adjusted rules to give UBC and other universities the flexibility needed to attract excellent researchers from around the world.

The University has been in many discussions regarding transit and the upcoming plebiscite. UBC will be reflecting the importance of transit in our position and why it is important to have better connections to the University from around the region. Although not ideal, the plan will improve transit to UBC and is much better than the alternative. It is important for us to encourage our stakeholders to learn about the issue and make up their mind on this matter.

Voting opens March 16th which will allow university and college students to participate as they will still be in classes.

Senator Bailey noted that the President said that he would be meeting with a variety of groups on budget matters and asked how the administration would engage with students on the budget.

With consent of Senate, Vice-President Students, Louise Cowin spoke, noting that similar matters were raised by the AMS with regards to tuition consultation, and there was a request made at the Board table to include students in conversations. Another aspect is the central budget, and historically the vice-presidents students and finance have met with AMS and GSS leaders to help them understand the budget, and we could extend that to student senators and governors as well.

Senator Tees noted that there were students on the Council Budget Committee who participated in advising and assisting the President in the preparation of the budget.

Senator Baimbridge asked how UBC was officially represented to Translink.

The President noted that we were in Electoral Area A, are represented at Translink by our Metro Vancouver (Greater Vancouver Regional District) Director, presently Ms Maria Harris.

Candidates for Degrees

Aaron Bailey	}	<i>That the candidates for degrees, as recommended by the faculties, be granted the degrees for which they were recommended, effective February 2015, and that a committee comprised of the Registrar, the dean of the relevant faculty, and the Chair of Senate be empowered to make any necessary adjustments.</i>
Sally Thorne		

NB: 2/3rds Required

Approved

Candidates for the Degree of Master of Digital Media

Richard Anstee	}	<i>That the candidates for the degree of Master of Digital Media, as recommended by the Faculty of Graduate and Postdoctoral Studies, be granted the degree effective upon the concurrence of Simon Fraser University, Emily Carr University of Art + Design, and the British Columbia Institute of Technology; and that a committee comprised of</i>
Paul Keown		

the Registrar, the Dean of the Faculty, and the Chair of the Senate be empowered to make any necessary adjustments.

NB: 2/3rds Required

Approved

Admissions Committee

The Senate Admissions Committee Chair, Dr Robert Sparks, presented.

ENROLMENT TARGETS 2015-2016

See Appendix A: Enrolment Targets

Robert Sparks	}	<i>That Senate approve the 2015/2016 enrolment targets, as per section 27(2)(r) of the University Act, as outlined in Tables 1 and 4 of the attached report.</i>
Susan Forwell		

With consent of Senate, Dr Redish spoke to the report.

Dr Redish noted that this report was the culmination of a process starting the previous October, where she and the Provost met with the deans to discuss goals and capacity in their programs. Following those meetings, the programs draft their enrolment plans which are then taken to a committee of associate deans to discuss equilibria between the faculties and then to the Senate Admissions Committee.

Senator Kessler asked why Science had such a low percentage of international students compared to other faculties.

Senator Harrison replied that it was partly due to demand being higher for Commerce and Applied Science programs internationally.

In response to a question from Senator Kessler, Dr Redish noted that the 80% retention rate was a conservative estimate.

Senator Bailey asked why the Bachelor of Science in Wood Products Processing program was proposing a growth in international students when in the past it has been comparable to other programs.

Dr Redish noted that Forestry had many small programs and under that context small changes in numbers can have large effects on percentages.

Dr Innes advised that Forestry still had excess capacity and that the proportion of international students proposed reflects the status and reputation of the Faculty globally as one we are the best forestry program in the world.

Senator Vohra asked if the growth rate for professors would grow proportionately with student growth.

Dr Redish replied that we are growing numbers as we can. We have moved to have more teaching faculty but this was an ongoing interest for UBC.

Senator Vohra asked if there was a hard cap on the number of international students.

Dr Redish replied that this would be program dependent.

Senator Maleki asked about our teaching capacity with student growth and our desire to increase student/faculty interactions.

Senator Sparks advised that this was a point of discussion with SAC and the associate deans. Different approaches have been taken in different faculties. It's not just the teaching capacity but our holistic capacity to accommodate students. There is not one ratio for UBC.

Senator Baimbridge asked how the Medicine undergraduate proposal was calculated on table 1, noting that this was roughly double present number of undergraduate students.

Dr Redish advised that she would review this discrepancy and report back to Senate.

Senator Anstee noted that two programs still in development were listed for Vantage.

Dr Redish agreed noting that they were before committees now and that they understood that those proposals would be subject to program approval.

Senator Bailey asked how UBC paid for unfunded domestic students.

Dr Redish advised that we covered the additional costs ourselves out of general revenues.

Approved

BACHELOR OF EDUCATION, ELEMENTARY TEACHER EDUCATION – CHANGES IN ADMISSION REQUIREMENTS

Robert Sparks
Blye Frank

}

That Senate approve changes to admission requirements for applicants to the Bachelor of

*Education, Elementary Teacher Education
program, effective for entry to the 2016 Winter
Session and thereafter.*

Senator Sparks noted that experiments had been done looking at 30 credits, and this was found to yield insufficient data and so the faculty was moving back to 60 credits as this was a better measure.

Senator Beales noted that the rationale presented in the proposal was not compelling but that Senator Sparks had explained the rationale.

Approved

Admission & Curriculum Committees

The Vice-Chair of the Senate Curriculum Committee, Mrs Carol Jaeger, presented.

See Appendix B: Masters of Engineering Leadership Programs and Courses

APPLIED PROFESSIONAL MASTER'S PROGRAMS – SUBJECT CODE AND PLATFORM COURSES

Carol Jaeger	}	<i>That the new courses and associated APPP course</i>
Aaron Bailey		<i>code brought forward by the Faculty of Applied</i>
		<i>Science be approved.</i>

Mrs Jaeger explained that the Faculty of Applied Science had been working on these proposals for the past 14 months. The platform, delivered in collaboration with Commerce, would work with a variety of technical pillars developed for specific industries. She introduced Associate Dean Elizabeth Croft, who with consent of Senate spoke to the proposal.

Senator Kessler noted that the program was proposed as a cohort model and that the Applied Science Professional Planform (APPP) courses would not be available to other students.

Dr Croft confirmed that the APPP courses were restricted but that the pillar courses were open to other graduate students.

Senator Jaeger added that it would be difficult to integrate students into the cohort classes.

Approved

MASTER OF ENGINEERING LEADERSHIP IN ADVANCED MATERIALS MANUFACTURING (M.E.L.A.A.M.).

Carol Jaeger	}	<i>That the Master of Engineering Leadership in Advanced Materials Manufacturing program and its associated new courses be approved.</i>
Christopher Marshall		

Senator Munro noted that space was being developed for the new programs but no details were given.

Dr Croft advised that APSC needed new space as they grew their programs but in the interim the Faculty was looking at renting existing space on campus.

Senator Roach asked what the structure was behind the scene to ensure success.

Dr Croft replied that each program would have a departmental home so that it would have appropriate support as well as faculty support.

Senator Loewen asked for details on the relationship between these programs and the existing MENG and MASC programs.

Dr Croft replied that the pillar courses would already be available to other graduate students, but the difference would be the platform courses where students would be in cohort programs

Senator Forwell noted that there was a capstone experience and some work experience, some with credit and some without.

Dr Croft replied that all of the programs and 30 credits it total, but on top of that they had an opportunity for non-additive credit co-op in the summer. She described this as a supportive opportunity for students.

Dr Jaeger said that each pillar decided which activity would be of the most use for their students. For people in industry already, a co-op may be a project within their own organization.

The Chancellor asked what mix there would be between domestic and international students.

Dr Croft replied that the Faculty's other graduate professional graduate programs were 50/50 and they expected this for these programs.

Approved

MASTER OF ENGINEERING LEADERSHIP IN CLEAN ENERGY ENGINEERING (M.E.L.C.E.E.N.)

Carol Jaeger	}	<i>That the new Master of Engineering Leadership in Clean Energy Engineering (M.E.L.C.E.E.N.)</i>
Christopher Marshall		

program and its associated new and revised courses be approved.

Approved

MASTER OF ENGINEERING LEADERSHIP IN NAVAL ARCHITECTURE AND MARINE ENGINEERING (M.E.L.N.A.M.E.)

Carol Jaeger	}	<i>That the new Master of Engineering Leadership in Naval Architecture and Marine Engineering (M.E.L.N.A.M.E.) program be approved.</i>
Christopher Marshall		

Approved

Curriculum Committee

The Vice-Chair of the Senate Curriculum Committee, Mrs Carol Jaeger, presented.

FEBRUARY CURRICULUM REPORT

See Appendix C: Curriculum Report

Carol Jaeger	}	<i>That the new courses, revised courses, new program option, revised programs, and revised parchments brought forward by the faculties of Applied Science, Arts, Dentistry, Education, Graduate and Postdoctoral Studies (Applied Science, Arts, Education, and Forestry), and Science be approved.</i>
Kenneth Baimbrige		

Senator Beales noticed that honours was misspelt.

By general consent, “honors” was amended to read “honours” throughout.

Senator Beales asked if the Minor in Honours Mathematics was being changed, as he noted that there was a credit exclusion being proposed that would potentially make it impossible for Mechanical or Engineering Physics students to complete.

Mrs Jaeger noted that the Minor in Science was under the auspices of the Faculty of Science and had to meet their requirements.

Senator Anstee suggested that some issues may exist for students who would be interested in the minor.

By general consent, the issue of the credit exclusion list and its ramifications for the Minor in Honours Mathematics program was referred to the Senate Curriculum Committee for review.

Approved as
amended

NEW CERTIFICATES

Senator Jaeger informed Senate that pursuant to the Policy on Certificate Programs, the following new certificates had been approved by the Senate Curriculum Committee:

Graduate Certificate in Global Surgical Care
Graduate Certificate in High Performance Coaching and Technical Leadership

Nominating Committee

The Committee Chair, Dr Richard Tees, presented.

ADJUSTMENTS TO COMMITTEE AND COUNCIL OF SENATES APPOINTMENTS

Richard Tees	}	<i>That Ms Sonam Vohra be appointed to the Senate Admissions Committee until 31 March 2015 and thereafter until replaced, to replace Ms Collyn Chan;</i>
William Dunford		

That Ms Anne Kessler be appointed to the Senate Teaching and Learning Committee until 31 March 2015 and thereafter until replaced, to replace Ms Nina Karimi;

That Dr Sally Thorne and Dr John Gilbert be elected to the Council of Senates; and

That Dr Lawrence Walker, Dr Susan Forwell, Dr Paul Keown, and Dean Ricky Yada be appointed to Vancouver Senate Committees One, Two, Three, and Five respectively for the purpose of their appointment to the Council of Senates.

Senator Baimbridge asked for details for the appointments being made to the numbered committees.

Senator Tees replied, advising that this was a mechanism to increase representation on the Council of Senates from each Senate given the limitations presented by the *University Act*. Essentially, these committees exist to allow for their members to serve on the Council of Senates.

Approved

ADJUSTMENTS TO COMMITTEE COMPOSITION

Richard Tees	}	<i>That the composition of the Senate Ad Hoc Committee on Flexible learning Committee be amended to add:</i> <ul style="list-style-type: none">• <i>Director, Flexible Learning Special Projects, Office of the Academic Vice-President (ex officio) (non-voting)</i>
Carol Jaeger		

Approved

Student Awards Committee

The Committee Chair, Mr Graham Beales, presented.

FEBRUARY AWARDS REPORT

See Appendix D: Awards Report

Graham Beales	}	<i>That Senate accept the awards as listed and forward them to the Board of Governors for approval; and that letters of thanks be sent to the donors.</i>
Aaron Bailey		

Mr Beales noted that \$37 600 in new awards were being recommended this month

Approved

Reports from the Registrar

2015/2016 ACADEMIC YEAR

Dr Ross presented the draft academic year to Senate, drawing their attention to the term dates for Winter and Summer Sessions.

Senator Kessler informed Senate that the student senators were discussing the idea of a fall reading week and would be bringing that forward.

Senator Dunford suggested that we eliminated the midterm break and extend the winter holiday break.

The Registrar advised that both suggestions would be taken under consideration.

Report from the University Librarian

ANNUAL REPORT TO SENATE

The Librarian presented. She thanked Dr Farrar, the Senate Library Committee, and the library staff.

Senator Dunfrod asked if there was one set of journal subscriptions for each campus.

The Librarian replied that we had separate budgets for each campus but the subscription budget was university-wide.

Senator Riseman asked if we could stream the video collections for revenue.

The Librarian replied that this was doubtful for copyright reasons.

Senator Munro noted that librarians had a lot of student contact and asked if librarians could be trained more on student mental health and support services.

Dr Parent replied that the librarians did see students often and had many interactions where students opened up more than they may with faculty; as a result the Library did plan to enhance its student support training in the future.

Other Business

Senator Baimbridge asked if we could have a presentation at the next Senate on UBC centennial preparations.

The President replied that, her schedule permitting, he would ask Vice-President Miles to present at the next Senate.

IN CAMERA – Tributes Committee

HONORARY DEGREES

Adjournment

There being no further business, the meeting was adjourned at 7:54 pm.

Winter Session							
Faculty	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
Applied Science	3,392	3,480	3,386	3,310	3,185	3,038	2,906
Arts	7,546	7,639	7,450	7,271	7,643	7,663	7,704
Commerce	2,312	2,376	2,348	2,346	2,216	2,174	2,152
Dentistry	348	340	338	318	316	313	317
Education	1,774	1,729	1,798	1,871	1,930	1,914	1,908
Forestry	454	434	468	519	532	554	575
Law	540	528	535	523	531	533	534
Land and Food Systems	916	953	922	926	959	958	959
Medicine	2,318	2,393	2,485	2,595	2,558	2,556	2,564
Pharmacy	704	773	847	923	938	939	942
Science	5,446	5,638	5,623	5,580	5,664	5,589	5,563
Non Degree & Residents	962	858	883	853	867	867	867
Grand Total (Winter)	26,713	27,142	27,083	27,034	27,338	27,099	26,991
Summer FTEs	3,326	3,311	3,274	3,288	3,288	3,288	3,288
Grand Total (Winter + Su	30,039	30,453	30,357	30,322	30,626	30,387	30,279
Funded*	29,214	29,323	29,437	29,551	29,561	29,561	29,561
Unfunded	825	1,130	920	771	1,065	826	718

* Total Funded numbers for 15/16 and beyond could be impacted by the BC Jobs and Skills Plan

Winter Session							
Faculty	2011/12	2012/13	2013/14	2014/15	2015/16*	2016/17**	2017/18**
Applied Science	465	517	595	710	783	898	1,034
Arts	1,472	1,638	1,810	2,032	2,383	2,677	2,995
Commerce	611	737	888	1,061	1,190	1,247	1,262
Dentistry	4	4	5	4	4	4	2
Education	51	53	62	79	77	75	74
Forestry	106	137	159	188	206	214	231
Law	5	7	12	10	9	8	8
Land and Food Systems	121	131	155	218	267	304	334
Medicine	1	1	8	0	0	0	0
Pharmacy	0	0	0	0	0	0	0
Science	384	439	546	672	868	1,048	1,241
Vantage College (Year 1 only)	0	0	0	169	235	335	447
Non Degree & Residents	37	54	86	235	160	160	160
Grand Total (Winter)	3,257	3,718	4,326	5,378	6,183	6,971	7,786
Summer FTEs	331	387	441	529	577	629	686
Grand Total (Winter + Summer)	3,588	4,105	4,767	5,908	6,760	7,600	8,471
Change over prior year		14%	16%	24%	14%	12%	11%
* 2015/16 includes Vantage flow to Arts and Science							
** 2016/17 includes Vantage flow to Applied Science, Arts, and Science							

Appendix B: Masters of Engineering Leadership Programs and Courses

FACULTY OF APPLIED SCIENCE

New programs, course code, and courses:

Applied Professional Master's Program Platform;
APPP (Applied Science Professional
Program Platform) Course Code;
APPP 501 (1.5) Project Management and Leadership;
APPP 502 (1.5) Sustainability and Leadership;
APPP 503 (1.5) Organizational Leadership;
APPP 504 (3) Business Acumen for Technical Leaders;
APPP 506 (3) Capstone Project
Master of Engineering Leadership in Advanced Materials Manufacturing;
MTRL 512 (3) Material Optimization for the Manufacture of Structural Metallic Components;
MTRL 515 (3) Advanced Simulation and Modelling Tools for Materials Manufacturing;
MTRL 517 (3) Case Studies in advanced Materials Manufacturing
Master of Engineering Leadership in Clean Energy Engineering;
CEEN 503 (2) Sustainable Energy Systems;
CEEN 504 (2) Energy Storage and Transmission;
CEEN 523 (3) Energy and the Environment;
CEEN 525 (2) Energy Policy;
CEEN 550 (3) Energy Efficiency and Conservation
Master of Engineering Leadership in Naval Architecture and Marine Engineering

Appendix C: Curriculum Report

FACULTY OF APPLIED SCIENCE

New courses; new program option; and revised parchment:

APSC 377 (3) Nuclear Weapons and Arms Control;
CHBE 201 (3) Integrated Technical Communication;
ELEC 281 (3) Technical Communication;
CPEN 281 (3) Technical Communication;
MTRL 264 (3) Transport Phenomena II – Heat Transport;
APSC>Bachelor of Applied Science>Minor in Science; Electrical and Computer Engineering
Parchment (Master of Engineering)

FACULTY OF ARTS

New and revised courses; and new minor program option:

HIST 408 (3) U.S. Foreign Relations from Independence to World War II;
ANTH 210 (3) Eating Culture;
ANTH 423 (3) Ethnography of East Africa and the Swahili Coast;
Minor in Education (Arts>Bachelor of Arts>Program Requirements; Arts>Bachelor of Fine
Arts>Introduction; Vancouver School of Economics>Bachelor of International
Economics>Degree Requirements; Arts>Bachelor of Media Studies>Minor Programs; School of
Music>Bachelor of Music>Degree Requirements);
ENGL 140 (3) Challenging Language Myths;
FNEL 180 (3) Introduction to Endangered Language Documentation and Revitalization;
FNEL 282 (3) The Structures of Endangered Languages: Conservation and Revitalization;
FNEL 380 (3) Technologies for Endangered Language Documentation and Revitalization;
LING 140 (3) Challenging Language Myths;
PSYC 335 (3) Gambling and Decision Making

FACULTY OF DENTISTRY

Revised program:

Dentistry>Doctor of Dental Medicine>Academic Regulations>Attendance

FACULTY OF EDUCATION

New courses:

ECED 400 (4) Introduction to Early Childhood Education and Care;
ECED 401 (3) Supporting young Children's Health and Well-Being in Early Childhood Settings;
ECED 442 (3) Supporting Indigenous Infants and Young Children within the Context of Their
Communities

FACULTY OF GRADUATE AND POSTDOCTORAL STUDIES

New and revised courses; revised programs; and revised parchments:

Applied Science

EECE 587 (3) Radio-Frequency Integrated Circuits;
EECE 593 (3) Active Silicon Photonics Design; Electrical and Computer Engineering
Parchments (Master of Applied Science; Doctor of Philosophy);
LARC 553 (3) Green Network Planning;
LARC 590 (3) Graduate Project Part I;
SALA>Master of Landscape Architecture>Degree Requirements

Arts

JRNL 527 (3) Internship

Education

LLED 559 (3) Early Literacies with Digital Technologies and Media;
G+PS>Degree Programs>Media and Technology Studies Education;
KIN 515 (3) Gap Analysis

Forestry

G+PS>Degree Programs>Forestry>Master of International Forestry>Program Requirements

FACULTY OF SCIENCE

New and revised courses:

CHEM 208 (3) Coordination Chemistry;
CHEM 211 (4) Introduction to Chemical Analysis;
CHEM 218 (3) Fundamentals of Reactivity in Inorganic Chemistry;
CHEM 245 (1) Intermediate Synthetic Chemistry Laboratory;
CHEM 300 (3) Communicating Chemistry;
CHEM 318 (3) Principles of Catalysis; CHEM 319 (1) Practical Skills for Chemical Research;
CHEM 327 (3) Introduction to Materials Chemistry;
CHEM 329 (1) Research Ethics and Data Analysis Skills;
CHEM 419 (1) Establishing a Career in Chemical Research

Appendix D: Awards Report

New Awards:

ABORIGINAL Student Award in Forestry – Three awards of \$3,000 each are offered annually to Aboriginal undergraduate students in the Faculty of Forestry who are in good academic standing. Preference is given to students who have demonstrated a strong commitment to their studies and/or who have had to overcome significant adversity in the pursuit of their university education. These awards are made possible through the support of a private foundation with the intent of increasing the number of Aboriginal forestry professionals. The awards are made on the recommendation of the Faculty of Forestry, in consultation with the First Nations House of Learning. (First Award Available in the 2015/2016 Winter Session)

Professor Bonnie J. CRAIG Award in Dentistry – A \$1,000 award is offered annually by the Faculty of Dentistry in recognition of Professor Bonnie J. Craig and her extraordinary dedication and teaching within the Dental Hygiene Program. The award is offered to a second or third year student enrolled in the Dental Hygiene Degree Program who demonstrates leadership within their class. The award is made on the recommendation of the Faculty of Dentistry. (First Award Available in the 2015/2016 Winter Session)

DEPARTMENT of Statistics Award in Data Science – A \$1,000 award is offered annually to an undergraduate or graduate student who has demonstrated initiative, creativity and other outstanding contributions in the field of data science. The award is made on the recommendation of the Department of Statistics in the Faculty of Science and, in the case of a graduate student, in consultation with the Faculty of Graduate and Postdoctoral Studies. (First Award Available in the 2014/2015 Winter Session)

Christina and Alan EASTWOOD Scholarship in Land and Food Systems – A \$1,000 scholarship has been made available through an endowment established by Christina and Alan Eastwood for a student in the 3rd year of undergraduate studies in Land and Food Systems with an interest in sustainable food systems. Christina and Alan are now retired from careers as a medical technologist and an economist respectively, and have decades of experience in growing food organically for themselves and friends. They have long recognized the need for a more organic, less toxic, commercial food system. They hope this award will encourage young people to pursue sustainable alternatives to conventional agriculture. The award is made on the recommendation of the Faculty of Land and Food Systems. (First Award Available in the 2015/16 Winter Session)

FOUR YEAR FELLOWSHIPS (4YF) Tuition Award – Recipients of Four Year Fellowships (4YF) may, depending on other funding held by the student, receive a 4YF-funded tuition award. The awards are made on the recommendation of the recipient's graduate program in consultation with the Faculty of Graduate and Postdoctoral Studies. (First Award Available in the 2015 Summer Session)

FUTURE ACHIEVERS International UBC Entrance Scholarship – A scholarship of \$2,600 is made available through an endowment established by Professors Yves and Cynthia Bled to an international student entering UBC in their first year who demonstrates a combination of

exceptional academic achievement and extracurricular involvement. Preference is given to members of Future Achievers International, and recipients are encouraged to act as campus ambassadors for the program. Future Achievers International supports, stimulates, and reinforces young future leaders around the world by supporting scholarships and programming that encourage thinking that changes the world. The award is made on the recommendation of the International Student Initiative Office. (First Award Available in the 2015/16 Winter Session)

GIRODAY Family Scholarship in Law – A \$3,000 scholarship is offered annually by the Giroday family to a UBC Faculty of Law student in the JD program with high academic achievement in litigation or high achievement in one of the competitive moots. Shirley E. Giroday (JD, 1955), her late husband Michael R. Giroday (JD, 1957), and their sons Patrick J Giroday (LLB, 1987) and M. Ian Giroday (LLB, 1987) are all graduates of UBC's Faculty of Law with careers in litigation. The awards are made on the recommendation of the Faculty of Law. (First Award Available in the 2015/16 Winter Session)

Dr. Pommy HALLEN Bursary in Dentistry – A \$1,000 bursary is offered annually by Dr. Pommy S. Hallen to a student in the Faculty of Dentistry in the third or fourth year of the undergraduate program. Dr. Pommy Hallen is a local endodontist and an alumnus of UBC Dentistry, who wishes to support dental students in financial need. Adjudication is made by Enrolment Services. (First Award Available in the 2015/2016 Winter Session)

INTERNATIONAL LEADER OF TOMORROW Bursary - living costs – Bursaries ranging in value up to the full cost of the student's living costs are offered upon recommendation by the International Student Initiative to continuing international undergraduate students who were previously awarded the International Leader of Tomorrow Award and continue to demonstrate financial need but do not meet the Senate's academic criteria for a continuing award. The value of each bursary will depend on the applicant's financial circumstances. The bursary may be renewed for up to three additional years of undergraduate study or to degree completion, whichever is less, provided the recipient remains an international student on a valid Canadian study permit. Bursary recipients will have their situations reviewed annually by their Faculty as well as Enrolment Services regarding both academic progress and financial need.

INTERNATIONAL LEADER OF TOMORROW Bursary - tuition – Bursaries ranging in value up to the full annual cost of the student's academic program tuition and fees are offered upon recommendation by the International Student Initiative to continuing international undergraduate students who were previously awarded the International Leader of Tomorrow Award and continue to demonstrate financial need but do not meet the Senate's academic criteria for a continuing award. The value of each bursary will depend on the applicant's financial circumstances. The bursary may be renewed for up to three additional years of undergraduate study or to degree completion, whichever is less, provided the recipient remains an international student on a valid Canadian study permit. Bursary recipients will have their situations reviewed annually by their Faculty as well as Enrolment Services regarding both academic progress and financial need.

Cody LLED Graduate Student Emergency Award – An annual emergency award fund totalling \$5,000 is available, through an anonymous gift to graduate students of the Faculty of

Education's Language and Literacy Education Department (LLED). The fund was established to assist graduate students who are faced with an unexpected financial challenge of a serious nature which impacts their well-being and/or their ability to continue in the program. Candidates must demonstrate that all other possible sources of support have been explored before an application will be considered. All requests are determined on a case-by-case basis and require the recommendation by the Department Head of LLED in consultation with the Head's Advisory Committee, with input from other faculty as needed. Awards are made on the recommendation of the Department of Language and Literacy Education. (First Award Available in the 2014/2015 Winter Session)

Dr. Michael MACENTEE Bursary in Dentistry – A \$1,000 bursary is offered annually by UBC Dentistry in honour of Professor Dr. Michael I. MacEntee, who chaired the Division of Prosthodontics at UBC and established the ELDERS (Elders' Link with Dental Education, Research and Service) Group, thereby advancing the teaching and research mission of UBC with a focus on the oral health needs of elders. The bursary is offered to a student in the Faculty of Dentistry in the first, second or third year of the undergraduate program. Adjudication is made by Enrolment Services. (First Award Available in the 2015/2016 Winter Session)

Mary OH Memorial Entrance Bursary in Law – A \$1,000 bursary is offered annually to a UBC Faculty of Law student entering their first year of the JD program. The bursary is in memory of Mary Oh, a former UBC student. Adjudication is made by Enrolment Services. (First Award Available in the 2015/2016 Winter Session)

Raja ROSENBLUTH Award for Women in Biological Sciences – A \$5,000 award is offered annually by Raja Rosenbluth for a female graduate student studying in the field of Biological Sciences. This award is in honour of Raja Rosenbluth's long career in the area of Biological Sciences, and recognizes her research, mentorship and guidance of many graduate students with whom she worked. For many years, Raja was one of the very few women in the field of genetics, and it is to be hoped that the recipient of this award will blaze new trails in the area of Biological Sciences. The term "Biological Sciences" is intentionally broad to include diverse areas within the Faculty of Science comprising but not limited to: Biology, Biochemistry Genetics, Genomics, Molecular Biology, Bioinformation, Ecology and Zoology. This award is for a female graduate student who has shown success in her previous studies and where such an award will significantly help her to pursue her career in the Biological Sciences. The awards are made on the recommendation of the Faculty of Science, in consultation with the Faculty of Graduate and Postdoctoral Studies. (First Award Available in the 2015/2016 Winter Session)

UBC LAW RUGBY Award – Two \$1,000 awards are offered annually by alumni and supporters of the UBC Faculty of Law's rugby club. These awards are offered to students entering their second or third year of the JD program who have shown significant leadership as members of the club. Preference will be given to students who have demonstrated outstanding academic achievement. The awards are made on the recommendation of the Faculty of Law. Students must apply for this award. (First Award Available in the 2015/2016 Winter Session)

G. Gary RUNKA Award in Agricultural Soil Science – A \$1,000 award has been made available through an endowment established by family, professional colleagues and friends of Gary Runka for an undergraduate or graduate student in the Faculty of Land and Food Systems.

The recipient must be in good academic standing and engaged in field studies of soils or land use and their interpretation for the wide range of land and water uses that impact agriculture. Preference will be given to a candidate whose field project focuses on biophysical information and land capability/suitability interpretation, mentoring and field knowledge transfer amongst professionals in the soil sciences and/or enhances the contribution of agriculture to building sustainable rural communities. This award is intended to honour G. Gary Runka [BSc. Ag (Soils), 1961] whose contribution to land inventory, agriculture, natural resource management and land use planning helped shape BC land use policy over five decades. Gary was dedicated to the use of field knowledge as the basis for understanding and resolving land and water use issues. The award is made on the recommendation of the Faculty of Land and Food Systems and, in the case of a graduate student, in consultation with the Faculty of Graduate and Postdoctoral Studies. (First Award Available in the 2015/16 Winter Session)

STEVENS Bursary – A \$1,000 bursary is offered annually by Patricia Stevens to an undergraduate student who has completed their first year of studies, with preference given to students in the Sciences. Patricia Stevens established this bursary to honor the Stevens family, particularly Joan and Lloyd Stevens who strongly encouraged and supported their two children – Gary and Patricia – to attend university, understanding the importance and value of an education throughout one's life. Without their assistance, both financial and emotional, their children would not have been able to attend post-secondary education. Joan and Lloyd met in Prince Rupert, where they lived and raised their children. Lloyd had a commercial refrigeration business and Joan ran its business office. On retirement, they moved to Oliver in the sunny Okanagan. Although neither had attended university, both felt strongly that their children should. Always supportive of community, Joan and Lloyd gave back in many ways. In keeping with family tradition, this bursary is offered to assist an undergraduate student in need of financial assistance. Adjudication is made by Enrolment Services. (First Award Available in the 2015/2016 Winter Session)

David TARRANT Academic Achievement Award – An award up to \$1,250 has been made available through an endowment established by the University's Friends of the UBC Botanical Garden, friends and colleagues in honour of David Tarrant and his many contributions to the University's Botanical Garden. The award will be provided to the student in the highest academic standing in the Horticultural Training Program. Awards are made on the recommendation of the Program Director and Director of the UBC Botanical Garden and Centre for Plant Research. (First Award Available in the 2015/16 Winter Session)

David TARRANT Most Improved Award – An award up to \$750 has been made available through an endowment established by the University's Friends of the UBC Botanical Garden, friends and colleagues in honour of David Tarrant and his many contributions to the University's Botanical Garden. The award will be provided to the student demonstrating the most improvement throughout the duration of the Horticultural Training Program. Awards are made on the recommendation of the Program Director and Director of the UBC Botanical Garden and Centre for Plant Research. (First Award Available in the 2015/16 Winter Session)

Dr. Joanne WALTON Award in Dentistry – A \$1,000 award is offered annually by the Faculty of Dentistry in honor of Dr. Joanne Walton, whose extraordinary dedication to teaching and research has been instrumental in the continued success and mission of UBC Dentistry. The

award is offered to a third or fourth year DMD student who shows academic excellence and a proficiency in the area of prosthodontics. The award is made on the recommendation of the Faculty of Dentistry. (First Award Available in the 2015/2016 Winter Session)

Donald WEHRUNG International Student Bursary - living costs – Bursaries ranging in value up to the full annual cost of the student's living costs are offered upon recommendation by the International Student Initiative to continuing international undergraduate students who were previously awarded the Donald Wehrung International Student Award and continue to demonstrate financial need but do not meet the Senate's academic criteria for a continuing award. The value of each bursary will depend on the applicant's financial circumstances. The bursary may be renewed for up to three additional years of undergraduate study or to degree completion, whichever is less, provided the recipient remains an international student on a valid Canadian study permit. Bursary recipients will have their situations reviewed annually by their Faculty as well as Enrolment Services regarding both academic progress and financial need.

Donald WEHRUNG International Student Bursary - tuition – Bursaries ranging in value up to the full annual cost of the student's academic program tuition and fees are offered upon recommendation by the International Student Initiative to continuing international undergraduate students who were previously awarded the Donald Wehrung International Student Award and continue to demonstrate financial need but do not meet the Senate's academic criteria for a continuing award. The value of each bursary will depend on the applicant's financial circumstances. The bursary may be renewed for up to three additional years of undergraduate study or to degree completion, whichever is less, provided the recipient remains an international student on a valid Canadian study permit. Bursary recipients will have their situations reviewed annually by their Faculty as well as Enrolment Services regarding both academic progress and financial need.

Previously-Approved Awards with Changes in Terms or Funding Source:

#7964 Old Boy/Girl Network Bursary – Bursaries totaling \$2,950 have been made available through an endowment established by a number of MBA alumni to support students in the MBA or MScB Business Administration programs who are single parents, recognizing the difficulties of being single parents and students. If no suitable candidates are found, the award will be held over and utilized in a subsequent year.

Why and how amended: Change recommended by Enrolment Services to ensure an eligible candidate for this award. The award hasn't been awarded since 2007 due to specific year of study being part of the criteria for the award. The recommended change is to open the award up to single parents in any year of their MBA or MSC studies, thus making the award awardable.

#6456 Four Year Fellowships (4YF) For Doctoral Students – Fellowships, whose value may be up to \$18,000 (adjusted for inflation) plus tuition per year, are offered by UBC to full-time doctoral students for up to four years of their doctoral program. Continued Fellowship support is subject to satisfactory academic progress. Students who receive Tri-Agency or other prestigious external awards must accept those awards. The awards are made on the recommendation of the

recipient's graduate program in consultation with the Faculty of Graduate and Postdoctoral Studies.

Why and how amended: The revised wording reflects changes in the 4YF program since it was first established in 2009 Summer Session. Graduate and Postdoctoral studies currently assign both stipend and tuition funding under a single award number (#6456) for the 4YF program. To provide students with a clearer understanding of their funding and to separate the two funding streams administratively, the Faculty would like to use the existing 4YF award (#6456) for the stipend funding only, and use the new award for the tuition portion of the fellowship.