



THE UNIVERSITY OF BRITISH COLUMBIA
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VANCOUVER SENATE

MINUTES OF FEBRUARY 28, 2001

Attendance

The Sixth Regular Meeting of the Senate of the University of British Columbia for the Session 2000/01 was held on Wednesday, February 28, 2001 at 8:00 p.m. in Room 102, George F. Curtis Building.

Present: President M. C. Piper (Chair), Vice President B. C. McBride, Dean F. S. Abbott, Dr. P. Adebar, Mr. R. Affleck, Mr. A. Baggish, Dr. J. D. Berger, Dr. R. W. Blake, Ms. E. Blewett, Dean J. Blom, Mr. P. T. Brady, Mr. P. T. Burns, Dr. H. M. Burt, Ms. E. J. Caskey, Mr. T. C. Y. Chan, Ms. T. Chung, Ms. J. Dennie, Dr. D. Fisher, Ms. K. Gammon, Dr. J. H. V. Gilbert, Dr. D. Granot, Dr. S. W. Hamilton, Ms. M. Hassen, Dr. P. E. Harding, Mr. R. R. Hira, Ms. J. Hutton, Dean M. Isaacson, Dr. C. Jillings, Dr. D. D. Kitts, Dean M. M. Klawe, Mr. J. Kondopulos, Dr. B. S. Lalli, Dr. V. LeMay, Dr. D. M. Lyster, Dr. M. MacEntee, Dr. P. L. Marshall, Mr. W. B. McNulty, Dean D. Muzyka, Dr. P. N. Nemetz, Ms. J. Parry, Dr. G. N. Patey, Dr. T. F. Pedersen, Dr. J. Perry, Dr. W. J. Phillips, Mr. H. Poon, Dean M. Quayle, Dr. V. Raoul, Ms. K. Riecken, Dr. H. J. Rosengarten, Dr. K. Schonert-Reichl, Mr. A. F. Sheppard, Dr. C. Shields, Mr. B. Simpson, Dr. D. Sjerve, Dr. B. Stelck, Dr. R. C. Tees, Dr. J. R. Thompson, Dean R. J. Tierney, Mr. D. Tompkins, Dean A. Tully, Mr. D. Visser, Dr. D. Ll. Williams, Dr. R. A. Yaworsky, Dean E. H. K. Yen.

Regrets: Dr. W. L. Sauder (Chancellor), Dean J. A. Cairns, Dr. R. Goldman-Segall, Dean F. Granot, Mr. E. Greathed, Dr. A. G. Hannam, Rev. T. J. Hanrahan, Dr. J. Helliwell, Ms. S. Iwagami, Dr. S. B. Knight, Ms. P. Liu, Mr. T. P. T. Lo, Mr. R. W. Lowe, Ms. Y. C. Lu, Dr. W. R. McMaster, Ms. V. G. Mirehouse, Mr. G. Podersky-Cannon, Ms. C. Quinlan, Dean J. N. Saddler, Dr. C. E. Slonecker, Ms. L. M. Sparrow, Mr. D. R. Verma, Ms. K. Wilker, Dr. R. J. K. Wilson.

Senate Membership

STUDENT REPRESENTATIVE

Mr. Alan Baggish replaced Mr. Ben Warren as the student representative of the Faculty of Law. President Piper welcomed Mr. Baggish to Senate.

Minutes of the Previous Meeting

Dr. Tees } *That the Minutes of the Meeting of January*
Dean Isaacson } *17, 2001 be adopted as circulated.*

Carried.

Chair's Remarks and Related Questions

UBC BANK OF MONTREAL NATIONAL SCHOLARS PROGRAM

On February 26, 2001, the President had announced a major gift from the Bank of Montreal. The gift of \$1.35 million was to be matched by UBC for a total endowment of \$2.7 million, and would be used for undergraduate scholarships. Criteria for the scholarships would include academic excellence in combination with demonstrated leadership ability, volunteer experience, and good citizenship. Once fully implemented, the Program would support 16 undergraduate students at the rate of \$10,000 each per annum. The President hoped that these new scholarships would assist in attracting outstanding students.

THUNDERBIRD MILLENNIUM BREAKFAST

The President described a recent community event held at the Vancouver Trade and Convention Centre in support of student scholarships. Approximately 1600 people attended the second annual Thunderbird Millennium Breakfast. As Telus sponsored the breakfast, all of the funds raised were to be used for endowed scholarships for UBC students. The President acknowledged this extraordinary level of support from the broad based community.

2001/2002 BUDGET

The provincial government had recently announced some features of its forthcoming 2001/2002 budget. BC universities were to receive both a lift to their operating budgets, as well as the first ever funding for the indirect costs of research. President Piper described the budget as remarkable for the university system: it was to provide significant advances in accessibility for students,

and in closing the gap in funding for BC universities as compared to universities in other provinces. The President promised to share more information with Senate and the Budget Committee as it became available.

From the Board of Governors

Notification of approval in principle of Senate recommendations: subject, where applicable, to the proviso that none of the programs be implemented without formal reference to the President, and that the Deans and Heads concerned with new programs be asked to indicate the space requirements, if any, of such new programs.

- i. Curriculum proposals from the Faculties of Commerce and Business Administration, Law, Medicine, and Science, and the School of Human Kinetics (pp. 12542-3);
- ii. New awards (pp. 12543-4);
- iii. Curriculum proposals from the Faculties of Agricultural Sciences, Applied Science, Arts, Education, Forestry, Graduate Studies, and the Office of the Coordinator of Health Sciences (pp. 12566-9);
- iv. The disbanding of the President's Advisory Committee to the Biomedical Research Centre, to be replaced by a Steering Committee comprised of the Dean of Medicine (Chair), the Deans of Graduate Studies, Dentistry, Pharmaceutical Sciences, and Science, the Vice President Research, and the Director of the Biomedical Research Centre (p. 12569).

Academic Policy Committee

THURSDAY 12:30 P.M. TO 2:30 P.M. CLASS BREAK

Dr. Tees presented the following report, as Chair of the Committee.

On March 19, 1997, the Senate concurred with the recommendation of the Academic Policy Committee and approved the adoption of the following policy:

"Senate reaffirms the value of the long standing policy of not scheduling classes between 12:30 and 2:30 p.m. on Thursdays whenever possible. Department Heads should ensure that their staff adhere to this policy. When classes are held at this time they should be reported to the Registrar who will inform the Department Head."

Since classes began at 8:30 a.m., and were scheduled in 1.5 hour blocks on Tuesdays and Thursdays, the 12:30 to 2:30 break was most appropriate. When, on November 15, 2000, Senate approved a shift of class start times to begin at 8:00 a.m., the Academic Policy Committee was asked to reexamine the 12:30 to 2:30 break.

Classroom Services and the Academic Policy Committee have consulted across campus on this issue. Consultants included timetable representatives, Deans, and Heads of unit. While there is not unanimous agreement on campus, approximately two-thirds of consultants indicated that they would be comfortable with shortening the break from 12:30

to 2:00 p.m. Classes would then be scheduled following the break in 1.5 hour blocks from 2:00 p.m. to 5:00 p.m.

Recommendation:

That, effective September 2001, classes not be scheduled between 12:30 p.m. and 2:00 p.m. on Thursdays.

Dr. Tees reported that three alternatives had been discussed by the Committee and proposed to consultants:

1. Keep the break at 12:30 to 2:30 p.m. and have one 1.5 hour afternoon sequence ending at 4:00 p.m.
2. Keep the break at 12:30 to 2:30 p.m. and have two 1.5 hour afternoon sequences ending at 5:30 p.m.; or
3. Shorten the break to 12:30 to 2:00 p.m. and have two 1.5 hour afternoon sequences ending at 5:00 p.m.

In conducting its consultations, the Committee noted that at least one Faculty had chosen not to honour the Thursday class break. At least one other Faculty had opted out of the 8:00 a.m. class start time.

<i>Dr. Tees</i>	}	<i>That, effective September 2001, classes not be scheduled between 12:30 p.m. and 2:00 p.m.</i>
<i>Dr. Gilbert</i>		

Ms. Riecken spoke against shortening the break, stating that students use that opportunity to work on group projects or to attend events such as luncheons by Career Services, library workshops, or guest lectures. She expressed a preference for leaving the break at two hours and having classes end at 5:30 p.m. Dr. Tees pointed out the AMS President had written to Classroom Services, indicating support for the shorter break between classes. He stated that he was sympathetic to the problems involved, but that the majority of the campus community was in favour of a shorter break.

The motion was put and carried.

Admissions Committee

UNDERGRADUATE ADMISSIONS

Dr. Lyster presented the reports, as Chair of the Committee.

Carleton Academic English Language Assessment

Addition of the Carleton Academic English Language assessment (CAEL) to the list of approved tests of English language proficiency for admission to UBC undergraduate programs

Present Calendar Entry (2000/2001) p. 34

English Language Proficiency Tests		
	Test	Competence Level ¹
CPE	Cambridge Proficiency Examination	C
IELTS	International English Language Testing System	6.5 with no part less than 6.0
MELAB	Michigan English Language Assessment Battery with the MELAB Oral Interview ²	
TOEFL	Test of English as a Foreign Language	
	either the Paper-based test	55
	with the TWE (Test of Written English)	4.0
	and the TSE (Test of Spoken English) ²	50
	OR	
	the computer-based test	22
	with the essay	4.0
	and the TSE (Test of Spoken English) ²	50
AEP	Academic English Program Certificate ³	600

¹ Unless otherwise stated, the score is the minimum on each part of the examination. Tests taken more than two years prior to application for admission will not be considered.

² To be implemented for Summer Session 2003.

³ From UBC's English Language Institute.

Proposed Calendar Entry:

English Language Proficiency Tests		
	Test	Competence Level ¹
CAEL	Canadian Academic English Language Assessment	Overall 70
	with the speaking sub-test ²	60
CPE	Cambridge Proficiency Examination	C
IELTS	International English Language Testing System	6.5 with no part less than 6.0
MELAB	Michigan English Language Assessment Battery with the MELAB Oral Interview ²	
TOEFL	Test of English as a Foreign Language	
	either the Paper-based test	55
	with the TWE (Test of Written English)	4.0
	and the TSE (Test of Spoken English) ²	50
	OR	
	the computer-based test	22
	with the essay	4.0
	and the TSE (Test of Spoken English) ²	50
AEP	Academic English Program Certificate ³	600
¹ Unless otherwise stated, the score is the minimum on each part of the examination. Tests taken more than two years prior to application for admission will not be considered.		
² To be implemented for Summer Session 2003.		
³ From UBC's English Language Institute.		

In addition, Senate should know that the new English Language Standard requires considerable resources for implementation and evaluation within Student Services.

Rationale:

Provision of a range of suitable tests for applicants in Canada and around the world is important if UBC is to facilitate access to our admission process. The CAEL assessment meets our requirements to test listening, reading, writing, and speaking skills. It is becoming more widely available both in Canada and in other parts of the world so it would provide another option for applicants. Already many universities accept the scores (e.g., Alberta, Dalhousie, McMaster, Ottawa, Ryerson, Toronto, Trent, Waterloo, Western, Minnesota, Stanford, UCLA, USC) and almost all accept a minimum score of 70. The assessment has been evaluated by Dr. A. Scales of UBC's English Language Institute and the subcommittee agreed that it is suitable.

Effective Date: Dec. 2000

Dr. Lyster
Mr. McNulty

}

That the Carleton Academic English Language Assessment be accepted for admission to UBC.

Carried.

Faculty of Education, Teacher Education Office

MIDDLE YEARS FRENCH NO LONGER OFFERED

Present (2000/2001) Calendar Entry: p. 194, column b

Applicants presenting French as a concentration must pass the oral and written French test at an appropriate level prior to admission.

Proposed Calendar Entry: Replace existing sentence with the following new paragraph:

A French concentration is not available in the Middle Years Option. Students interested in teaching French must choose between the French Elementary and Secondary Teacher Education options.

Rationale:

In the Elementary and French options most course work is taught in French and students are supervised on practicum by individuals proficient in French and French pedagogy. Coursework taught in French is necessary to help students improve their French proficiency while at the same time providing content and pedagogical preparation. Students in the Middle Years Option miss this opportunity and doing so has unfortunate consequences for their language learning. Furthermore, some students appear to be trying to use the Middle Years Option with a concentration in French as a way of circumventing the course requirements for Elementary and to obtain a French Immersion practicum without having met the level of proficiency needed, as determined by the French tests.

Effective Date: January, 2001

Dr. Lyster
Dr. Fisher

}

That the proposal to delete the French concentration in the Middle Years Option of the Teacher Education Program be approved.

Carried.

TECHNOLOGY EDUCATION PROGRAM ADMISSIONS

Change to Technology Education Program

(1999/2000) Calendar Entry: Page 179 Col. c 2 and 3

Note: This particular section is not included in the 2000/2001 Calendar. At the time when the present Calendar was being revised, it was decided that the entire teacher edu-

cation program requirements be excluded from the 2000/2001 Calendar due to uncertainty about the above program requirements. The section "Technology Education Program Options" was part of the Secondary Program Requirements.

Technology Education Program Options

The Faculty of Education, in cooperation with the British Columbia Institute of Technology, offers program options to prepare secondary school technology education teachers. The full post-secondary preparation for teachers of technology education consists of the equivalent of five academic years (159 to 161 credits) of liberal, technical, and pedagogical courses and school experiences.

The liberal studies component includes six credits of English and 24 credits of electives from the Faculties of Arts and Science. The technical component includes the 60 credits of courses detailed in the "Technology Education Major" on page 175. The pedagogical component for technology education studies includes the same 60 to 62 credit basic secondary teaching program prescribed for students in other teaching subjects and described in the Basic Program section of "Secondary Teaching Programs". In addition to all of these core requirements, technology education students complete an additional nine credits of elective courses (liberal, technical or pedagogical) in order to qualify for the Bachelor of Education (Secondary).

Prospective technology education teachers with little or no related occupational experience follow the General Program. Before admission to the UBC program of teacher education, they complete all liberal and technical core requirements and normally hold the BCIT Diploma in Technology Teacher Education.

Applicants with approved occupational competence and experience may qualify for an Accelerated program. They may seek admission to the UBC program of Initial Teacher Education after completing six credits of English and 42 credits of recognized technical studies; they normally hold the BCIT Certificate in Technology Teacher Education. Such students must complete the remaining 24 credits of liberal studies, 18 credits of advanced technical requirements, and nine credits of electives before the award of the Bachelor of Education.

Technology education students normally qualify for the British Columbia Standard Teaching Certificate on completion of a total of 120 credits including the specified admission requirements and all requirements of Terms 1 to 3 of Secondary Teaching Programs. Upon qualifying for the B.Ed. (Secondary) degree they are recommended to the BC College of Teachers for the British Columbia Professional Teaching Certificate.

Liberal studies courses may be completed while registered in another faculty or university or at a regional college in BC or elsewhere. Technical studies are normally completed at the British Columbia Institute of Technology. Those who wish to prepare as technology education teachers after completing a first degree in another field normally satisfy the liberal studies requirements during their undergraduate programs; if the first degrees satisfy the requirements for a teaching concentration or major in a subject other than technology education, these students may prepare to teach both technology education and that second subject.

Proposed Calendar Entry:

Technology Education Program Option

The Faculty of Education, in cooperation with the British Columbia Institute of Technology, offers a program option to prepare secondary school technology education teachers. The full post-secondary preparation for teachers of technology education consists of the equivalent of five academic years (150-152 credits) of liberal, technical, and pedagogical courses and school experiences.

The liberal studies component includes six credits of English literature and composition and 24 credits of courses from the Faculties of Arts and Science. Courses in physical education (human kinetics) or business (e.g., accounting, management, marketing, etc.) or courses of a professional nature are not normally accepted. All applicants must have completed the minimum 6 credits of English before they can be considered for admission to the UBC Faculty of Education. The Faculty strongly recommends that students have completed the liberal studies component (a total of 30 credits in arts and science) before applying to UBC.

Those students majoring in Technology Education who have completed a degree in another field normally satisfy the liberal studies requirement during their undergraduate programs. If their first degrees satisfy the requirements for a teaching concentration or major in a subject other than technology education, these students may prepare to teach both technology education and that second subject.

The technical studies component consists of 60 credits of courses described in the "Technology Education Major" in the section of Secondary Teaching Field Requirements under Admission. It includes 42 credits of studies in information, materials and products, power and energy, and systems integration technologies along with 18 credits of advanced courses in one or two technical areas. Technical studies are normally completed in a two-year Technology Teacher Education diploma program at the British Columbia Institute of Technology. BCIT no longer offers a one-year Technology Teacher Education certificate program and as a consequence, the Accelerated Program Option at UBC has been eliminated.

The pedagogical studies component for Technology Education majors includes the same 60-62 credits that are required of all students in the secondary option. This program is outlined in the section of Degree Requirements for Secondary Teacher Education.

Rationale:

The Faculty of Education in cooperation with BCIT and in consultation with the BC College of Teachers has eliminated the Accelerated Program Option. There is now only one route. In doing so, students admitted to the Secondary Option with Technology Education will be qualified for a professional teaching certificate on completion of the UBC teacher education program provided that students have completed the 30 credits of liberal studies requirement. This is an effort to streamline the Faculty's technology education program as well as to strengthen the Faculty's admission criteria for technology education students.

The description of nine additional credits of elective courses is deleted from the second paragraph. As a consequence, a total number of credits completed for the full secondary preparation for technology education teachers has changed to 150 - 152 credits from 159 - 161 credits.

Because the BCIT Technology Education Diploma contains more than nine elective course credits beyond 60 credits of the technical studies within its program requirements, no substantive changes are made to the preparation for the full technology education program.

The revised description also provides admission guidelines to students who have completed technical studies at an institution other than BCIT.

Effective Date: January, 2001

<i>Dr. Lyster</i>	}	<i>That the changes to the Technology Education Program Option be approved.</i>
<i>Dr. Yaworsky</i>		

Carried.

BUSINESS EDUCATION ADMISSIONS

Change to Business Education Admissions

Present Calendar Entry (2000/2001) P. 195, Col. a

For the Business Major, students must take an additional 12 credits of senior courses in finance, marketing, and management information systems.

Proposed Calendar Entry: (Addition of new paragraph shown in bold)

For the Business Major, students must take an additional 12 credits of senior courses in finance, marketing, and management information systems.

Beginning in the year 2001 admissions, applicants will be required to provide evidence of the ability to keyboard at a rate of 30 net words per minute. Students are to submit, along with their application for the Secondary Business Education Program, proof of keyboarding skills of 30 net words per minute.

Rationale:

Teaching the skill of keyboarding is no longer the major focus of BUED 301: Curriculum and Instruction: Computer Applications for Business (formerly BUED 401). BUED 301 will assume that students already have proficient keyboarding skills. The focus of this course will be on the pedagogy of teaching keyboarding and computer skills, and teaching the use of software programs for a variety of business applications.

Effective Date: January, 2001

Dr. Lyster
Mr. McNulty

}

That the proposed changes to the admission statement for the Secondary Business Education Program be approved.

Carried.

SCIENCE CONCENTRATION AND MAJORS

Present Calendar Entry (2000/2001) P. 195, Col. 3

Science Concentration and Majors

Areas include agricultural science, biological sciences, chemistry, earth and space science, and physics.

For the Science Concentrations, students must take six credits of introductory or survey courses in each of chemistry, mathematics, and physics (an introductory course in each of biology and geology is also required either prior to admission or within the teacher education program); an additional 6 to 12 credits of junior courses and 18 credits of senior courses in the selected science. The set of courses for each selected science must include both lecture and laboratory studies and satisfy the following:

- Agricultural science. Animal science, plant science, and soil science; a half course in agricultural economics is recommended.
- Biological sciences. A balanced selection of courses from each of taxa; physiology, cytology, or anatomy; ecology; and genetics.
- Chemistry. Organic, inorganic, physical, and analytical chemistry. Biochemistry programs may be suitable.
- Earth and space science. A balanced selection of courses from some or all of astronomy, geology, geophysics, oceanography, and/or physical geography.
- Physics. Thermodynamics, electricity and magnetism; optics and acoustics; quantum, nuclear, and atomic physics; and mechanics.

For the Science Majors, students must take an additional 12 credits of senior courses in the selected science. Applicants are admitted as majors in all science fields listed above except agricultural science.

Proposed Calendar Entry:

Proposed changes (If approved, the calendar description will be:)

Science Concentrations and Majors

Areas include agricultural science, biological sciences, chemistry, earth science, and physics.

Introductory Course Requirements:

All science applicants must have completed six credits of introductory courses in each of chemistry (at least one course with a lab component), mathematics (one and preferably two courses in calculus), physics (at least one course with a lab

component), biology and geology. Applicants presenting a science other than biological sciences and applicants presenting a science other than earth science may complete an appropriate course to satisfy the biology requirement and the geology requirement respectively within the program.

Concentration Requirements:

Applicants must have completed an additional 6 to 12 credits of junior level courses and 18 credits of senior level courses in the selected science. The set of courses for each selected science must include both lecture and laboratory studies.

- a) **Agricultural Science:** Courses in the areas of introductory agricultural science, animal production and animal physiology and/or plant production and plant physiology are required. Preference will be given to applicants with experience in both animal and plant sciences. A course in the area of soil science and a course in the area of agricultural economics are also recommended. (Applicants must also satisfy the requirements for a concentration in another science subject.)
- b) **Biological Sciences:** Preference will be given to applicants who have completed courses covering all of the following areas: ecology, genetics, human physiology, evolutionary biology, invertebrate and vertebrate zoology, non-vascular and vascular plant biology and microbiology. Courses in these areas must be completed at the second, third or fourth year level. No introductory biology course will be accepted as satisfying any of these areas.
- c) **Chemistry:** Preference will be given to applicants who have completed courses covering all of the following areas: organic, inorganic, physical and analytical chemistry.
- d) **Earth Science:** Courses must include geology, covering mineralogy and petrology. Geophysics, physical geography, atmospheric science and oceanography are also recommended. Astronomy is strongly recommended; students will be required to complete an appropriate course within the program if they have not completed astronomy prior to admission.
- e) **Physics:** Preference will be given to applicants who have completed courses in all of the following areas: mechanics, thermodynamics, electricity and magnetism, optics, acoustics, quantum mechanics, and atomic and nuclear physics.

Major Requirements:

Applicants must have completed concentration requirements and an additional 12 senior credits of courses in the selected science (biological sciences, chemistry, earth science or physics). Applicants are not admitted as a major in agricultural science.

Rationale:

1. *The Faculty proposes to change earth and space science to earth science. The title change brings it into line with the current BC secondary school science curriculum usage.*
2. *Introductory Course Requirements: The proposed changes make clearer the introductory courses required of all applicants to a science concentration and/or major.*
3. *Concentration Requirements: The proposed changes make it clearer how many credits are required for a concentration in a selected science subject.*
4. *Agricultural Science: The proposed changes clarify the subject areas required of agricultural science applicants and reflect the current admission practice. Although the present calendar entry encompasses the proposed changes, it can be misleading to applicants.*
5. *Because agricultural science is not a widely taught science subject, students preparing for agricultural science should also have another science subject.*
6. *Biological Sciences: The proposed changes reflect the recent changes to BC secondary school curriculum.*
7. *Chemistry: The proposed changes reflect the current admission practice. They are an effort to encourage more students to apply to this subject area although the Faculty prefers students having had experience in all of the above stated areas.*
8. *Earth Science: The title change brings it into line with the current BC secondary school science curriculum usage. There is a great need for earth science teachers. The Faculty wishes to encourage more students of geological science background to apply to this subject area. The proposed changes clarify the subject areas required of earth science applicants and reflect current admission practice. Although the present calendar entry encompasses the proposed changes, it can be misleading to applicants.*

The proposed change makes clear the requirements for a major in a selected science subject.

Effective Date: January, 2001

Dr. Lyster
Mr. McNulty

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*That the proposed changes to the Science
Concentration and Majors be approved.*

Carried.

Faculty of Graduate Studies

DOCTOR OF PHILOSOPHY IN WOMEN'S STUDIES AND GENDER RELATIONS

Proposed Calendar Entry - UBC Calendar 2000/2001, P.265, Column 1 immediately preceding "Contact Information."

Ph.D. in Women's Studies and Gender Relations

Administered by the Centre for Research in Women's Studies and Gender Relations (Faculty of Graduate Studies), the Ph.D. allows qualified students to undertake doctoral work in the field of Women's Studies and Gender Relations. Students complete WMST 500 in year one, and a minimum of 9 additional credits of graduate level coursework, to be approved by a supervisory committee. Additional coursework may be required. Qualifying examinations may take a variety of forms, also to be approved by the committee, and must normally be completed by the end of the second year in the programme.

Candidates are selected by an Advisory Committee representing a range of relevant research areas, which assesses the availability of appropriate courses and faculty to provide supervision.

Admission requirements:

Applicants must fulfill all the general requirements for admission to the Faculty of Graduate Studies. To be eligible for consideration they must also:

1. Hold an MA or equivalent degree from a recognized university, in an area deemed relevant to Women's Studies and Gender Relations by the Advisory Committee, with excellent academic standing.
2. Demonstrate adequate preparation in feminist theory and methodology, or be willing to take extra courses, as required, to gain such preparation.
3. Submit a writing sample (such as an essay) demonstrating excellent research potential, and a statement explaining why s/he wishes to undertake doctoral work in Women's Studies. The student may describe relevant non-academic experience, and explain any discrepancies in the academic record. This statement should also specify the areas of most interest to the applicant, to enable us to ascertain the likelihood of an appropriate research supervisor being available for the thesis.
4. Arrange to have three letters of reference sent directly to us, with the FoGS forms, commenting on the student's suitability for the Ph.D. programme.

Rationale:

Part of the original mandate of the UBC Centre for Research in Women's Studies and Gender Relations when it was founded in 1992 was to establish an interdisciplinary and inter-Faculty graduate programme in Women's Studies.

There is currently only one Ph.D. programme in Women's Studies in Canada, at York U., and demand exceeds the number of places. A number of students from here and abroad are waiting to apply to enter the proposed programme. The proposal has received strong support from over 30 units on campus, and from other BC universities and Colleges. The Letter of Intent has been submitted. There is no need for additional courses other than the Ph.D. thesis, and there are no new financial implications.

DOCTOR OF PHILOSOPHY IN LIBRARY, ARCHIVAL AND INFORMATION STUDIES

Present Calendar Entry

None.

The new program would be added after the description of the Joint M.A.S./M.L.I.S. program on page 290, column 3 of the Calendar.

Proposed Calendar Entry:

Doctor of Philosophy in Library, Archival & Information Studies

The School of Library, Archival and Information Studies offers a program leading to the Doctor of Philosophy degree. The Ph.D. program is designed to provide advanced research training for outstanding students who have already obtained a Master of Archival Studies (M.A.S.) degree or a Master of Library and Information Studies (M.L.I.S.) degree.

Admission:

Admission to the doctoral program requires an M.A.S., an M.L.I.S., or equivalent from a recognized institution indicating a superior level of academic performance in a field of specialization that will support the applicant's Ph.D. research. Students must satisfy the admission requirements of the Faculty of Graduate Studies, and be approved by the School's Doctoral Admissions Committee.

Admission decisions are based on the degree to which the applicant's intended area of research matches faculty expertise, and the suitability of the applicant for advanced graduate work as attested by letters of reference, prior academic performance, and record of publications and work in the field of library, archival, and information studies.

Program Requirements:

The Doctor of Philosophy in Library, Archival, and Information Studies will build on the successful interdisciplinarity established at the master's level. There will be one Ph.D. degree program, but students will be able to specialize by taking a theoretical/research foundations course in either Library/Information Studies or Archival Studies.

The program consists of

- ARST/LIBR 600,
- ARST/LIBR 620,
- ARST/LIBR 621,
- ARST 610
- LIBR 610

-additional coursework as recommended by the research supervisor and/or doctoral committee;

-a comprehensive examination (written and oral components) at an appropriate time as judged by the student's doctoral committee, not before the end of the first year; but before the end of the third year.

-research leading to a written dissertation (ARST/LIBR 699) that is defended in an oral examination.

Rationale:

The proposed doctoral program addresses the shortage of Canadian Ph.D. graduates in the area of Library, Archival, and Information Studies. This will be the first such program west of Ontario.

Effective Date: New program effective September 2001.

Dr. Lyster	}	That the admission statements for the Ph.D. in Women's Studies and Gender Relations and the Ph.D. in Library, Archival, and Information Studies be approved.
Dr. Nemetz		

Carried.

Faculty of Science

BROADER BASED ADMISSION STATEMENT FOR UNDERGRADUATE PROGRAMS

Present Calendar (2000/2001) Entry (page 352, column 1):

Add a new paragraph after the first paragraph in the section headed "Admission".

Proposed Calendar Entry:

For applicants who meet minimum academic requirements but who do not meet the required competitive average for early admission, additional academic criteria, such as achievement in standardized tests, results from national or international competitions, or compelling evidence of outstanding leadership may be considered. Details are available at www.science.ubc.ca.

Rationale:

Broader Based Admission for applicants from outside Canada was approved recently by Senate. The Faculty of Science wishes to implement that policy for intake to the 2001 Winter Session. A similar policy for applicants from within Canada is being developed by the Faculty. Details are being worked out in consultation with other faculties, other universities, schools, and government with the aim of having a policy for implementation for the 2002 Winter Session. Advance notice is hereby given. Since both the timing of implementation and the details of the procedures to be used will differ for the two groups of applicants, further details are not given. Up-to-date information will be provided on the Faculty of Science website as procedures are clarified.

Effective Date: May 1, 2001

CLARIFICATION OF YEAR LEVEL FOR TRANSFER AND SECOND DEGREE STUDENTS

Present Calendar (2000/2001) Entry (page 352, column 1):

Add a new paragraph after the current second paragraph in the section headed "Admission".

Proposed Calendar Entry:

Students admitted by transfer and those admitted to a second-degree program (see "Second Degree Requirements for the Bachelor of Science" on page 356) will be admitted to the year level that is appropriate according to the First-Degree Promotion Requirements (see page 356) which are based on the number of credits completed (both total and in Science courses) and degree of completion of the Lower-Level Requirements including English (see Lower-Level Requirements).

Rationale:

The addition attempts to clarify for students admitted on transfer and on the basis of prior study how they are placed in a year level.

Effective Date: May 1, 2001

CHANGES TO CONTINUATION REQUIREMENTS FOR UNDERGRADUATES IN SCIENCE

Present Calendar (2000/2001) Entry (page 354, col. 1-2):

Replace sections Failed Standing, Required to Discontinue, Required to Withdraw

Proposed Calendar Entry:

Continuation Requirements

Students who do not achieve a level 5 on the LPI examination before completing 30 credits of Science-eligible courses, taken either at UBC or another post-secondary institution, will not be permitted to register in any additional credit courses until they successfully complete the LPI. See page 35 for "Exemptions".

Students who do not meet the six-credit first-year English requirement before completing 60 credits of Science-eligible courses, taken either at UBC or transferred from another post-secondary institution, will not be permitted to register in any additional credit courses other than first-year English until that requirement is satisfied.

Continuation Requirements are listed in the table "Summary of Continuation Requirements" below. Subject to the above conditions, students who pass all courses in any Winter or Summer session will be assigned a Pass standing and will be eligible to continue their studies. Students who fail one or more courses but attain a sessional average of 55.00% or more in any Winter or Summer Session will also be assigned a Pass standing and will be permitted to continue their studies.

Students who attain a sessional average of less than 50.00% in any Winter or Summer Session will be assigned a Fail standing. They will be required to withdraw from the Faculty, unless this sessional average is based on fewer than 12 credits (Winter Session) or 6 credits (Summer Session) and there is no Fail or Academic Probation (ACPR) on their previous record, in which case they will be permitted to continue.

Students who fail one or more courses and attain a sessional average of at least 50.00% but less than 55.00% in any Winter or Summer Session will be placed on Academic Probation (ACPR). This will be noted on their statement of grades. They will be permitted to continue their studies unless they had a Fail standing in any prior session or they were

on Academic Probation in the previous session, in which case they will be assigned a Fail standing and required to withdraw from the Faculty.

Students assigned Academic Probation in one session will be removed from Academic Probation if, in a following session, they pass all courses and attain an average of at least 55.00% on at least 12 credits.

Students required to withdraw from the Faculty for poor academic performance or for failing to meet promotion requirements within the maximum credit limits (see Promotion Requirements) or who otherwise leave UBC while ACPR is on their transcript may apply for re-admission after one full year, but no student has the right to re-admission.

Applications for re-admission should be submitted to the Undergraduate Admissions Office.

Applications will be considered by the Science Admissions, Adjudication, and Appeals Committee. In considering an application for re-admission, the Committee will take into account any and all evidence of a student's ability to perform satisfactorily at the university level. Under normal circumstances, the committee will expect students required to withdraw before completing 54 science-eligible credits and those who leave with ACPR on their transcript to demonstrate their abilities by completing the following amount of work at a BC college or similar institution and attaining an overall G.P.A. of 2.50, calculated on all university-transfer work attempted after they were required to withdraw. A negative decision may be appealed to the Senate Admissions Committee.

Credits College Transfer	Completed Credits Required
up to 45	24
more than 45	12

Students required to withdraw after completing more than 54 Science-eligible credits are encouraged to take courses at a college or similar institution, even though some of the credits so earned may not be transferable to UBC.

Summary of Continuation Requirements			
Sessional Evaluation and Continuation Status			
Sessional Average, Course Success	Student Previously in Good Standing	ACPR on Student Record	Fail on Student Record
55.00% or higher, passed all courses	Pass, eligible to continue	Pass, eligible to continue; ACPR lifted if enrolled in 12 or more credits	Pass, eligible to continue

Summary of Continuation Requirements			
Sessional Evaluation and Continuation Status			
Sessional Average, Course Success	Student Previously in Good Standing	ACPR on Student Record	Fail on Student Record
At least 50.00%, but less than 55.00%, passed all courses	Pass, eligible to continue	Pass, eligible to continue; ACPR carried forward	Pass, eligible to continue
55.00% or higher, failed one or more courses	Pass, permitted to continue	Pass, permitted to continue; ACPR carried forward	Pass, permitted to continue
At least 50.00% but less than 55.00%, failed one or more courses	ACPR, permitted to continue	Fail, required to withdraw	Fail, required to withdraw
Below 50.00%; enrolled in 12 or more credits (Winter) or 6 or more (Summer)	Fail, required to withdraw	Fail, required to withdraw	Fail, required to withdraw
Below 50.00%; enrolled in under 12 credits (Winter) or under 6 (Summer)	Fail, permitted to continue	Fail, required to withdraw	Fail, required to withdraw

Rationale:

Current rules for passing/failing the year rely on complicated calculations of averages and proportions of courses passed and are based solely on performance in Winter Session. To facilitate faster adjudication at the end of each session, a simpler method is preferred.

The first two paragraphs reiterate the LPI and English requirements as they relate to continuation.

The new regulations allow for Academic Probation (a concept now in use in the Faculty of Arts) for students who fail one or more courses and achieve low passing averages. ACPR will be a message to those students that their performance needs improvement if only to provide them with opportunities in terms of access to courses and programs. The designation "Academic Probation" will be removed if in a subsequent session the student's academic performance improves. A student will be allowed to stay on Academic Probation but if academic performance does not improve the student will be required to withdraw.

Effective Date: May 1, 2001

CHANGES TO ENGLISH REQUIREMENT FOR UNDERGRADUATES IN SCIENCE

Present Calendar (2000/2001) Entry (page 354, col. 3 - Page 355, col.1):

English Requirement

4. Students who are accepted on transfer from other post-secondary institutions, or who are readmitted to the Faculty after being required to discontinue, must either have met the English requirement or be eligible to enrol in first-year English before they will be permitted to register in any courses for credit.
5. Students who have not met the English requirement by the time they have completed 60 credits of course work toward the Bachelor of Science, taken either at UBC or at another post-secondary institution, will not be permitted to enrol in courses other than first-year English until the English requirement is met.
6. Once admitted to UBC students will not normally be permitted to satisfy the English Requirement at another institution.

Proposed Calendar Entry:

4. Students who are accepted on transfer from other post-secondary institutions, or who are readmitted to the Faculty after being required to discontinue, must either have met the English requirement or be eligible to enrol in first-year English before they will be permitted to register in any courses for credit. **This usually requires achievement of a level 5 or better on the LPI exam in the summer prior to admission for the fall term (see "Language Proficiency Index Requirement for First-year English" on page 35).**
5. Students admitted to a first-degree program who have not met the English requirement by the time they have completed 60 credits of course work toward the Bachelor of Science, taken either at UBC or at another post-secondary institution, will not be permitted to enrol in courses other than first-year English until the English requirement is met.
6. Students admitted to a second-degree program who have not met the English requirement by the time they have completed 30 credits of course work at UBC toward the Bachelor of Science will not be permitted to enrol in courses other than first-year English until the English requirement is met.
7. Once admitted to UBC students will not normally be permitted to satisfy the English Requirement at another institution.

Rationale:

The addition to item 4 gives direction to students so that they do not miss a deadline. The other changes make a distinction between students entering from high school or on transfer and those admitted after completing a first undergraduate degree and set a clear requirement for second-degree students that is missing now.

Effective Date: May 1, 2001

CHANGES TO PROMOTION REQUIREMENTS FOR UNDERGRADUATES IN SCIENCE

Present Calendar Entry (page 356, col. 3):

Promotion Requirements

Promotion to Second Year

Successful completion of a total of 18 or more credits, of which 12 or more must be from first-year Science credits; or successful completion of Science One. A student who does not meet the minimum requirements for promotion to second year within a maximum of 60 credits of course work attempted will be required to withdraw from the Faculty of Science.

Promotion to Third Year

Successful completion of a total of 48 or more credits which must include six credits of first-year English, at least 12 required first-year Science credits (CHEM 111 and 112 (or 121) and MATH 100 and 101, or MATH 102 and 103, or MATH 104 and 105 (or MATH 120 and 121) and PHYS 101 or 121; or advanced placement in these requirements), and at least 18 additional Science credits. A student who does not meet the minimum requirements for promotion to third year within a maximum of 90 credits of course work attempted will be required to withdraw from the Faculty of Science.

Promotion to Fourth Year

Successful completion of a total of 78 or more credits of which 50 or more must be Science credits.

Post-Secondary Applicants

Students applying...that stage.

Proposed Calendar Entry:

Promotion Requirements

Promotion to Second Year

No change.

Promotion to Third Year

Successful completion of a total of 48 or more credits which must include six credits of first-year English, at least 12 required **Lower-Level science credits** or advanced placement in these requirements, and at least 18 additional Science credits. A student who does not meet the minimum requirements for promotion to third year within a maximum of 90 credits of course work attempted will be required to withdraw from the Faculty of Science.

Promotion to Fourth Year

Successful completion of a total of 78 or more credits of which 50 or more must be Science credits **including all the Lower-Level Faculty of Science requirements. A student who does not meet the minimum requirements for promotion to fourth year within a maximum of 120 credits of course work attempted will be required to withdraw from the Faculty of Science.**

Post-Secondary Applicants (no change)

Second-degree Students [New Entry]

The promotion requirements above apply only to students admitted from high school or on transfer from another post-secondary institution. Students admitted on the basis of prior study (i.e., completion of a first degree) are subject to the following promotion requirements based on the year level to which they were admitted.

N.B. Any second-degree student who has not completed the English requirement upon admission must complete it within the first 30 credits completed at UBC (see "English Requirement" on page 354).

For students admitted into first year, promotion to second year requires completion of at least 12 required Lower-Level science credits (either with UBC credits or from prior study).

For students admitted into or promoted to second year, promotion to third year requires completion of any of the following that were not met with prior study: at least 3 credits of the English requirement, the Lower-Level science requirement, and a total of at least 30 Science credits.

For students admitted into or promoted to third year, promotion to fourth year requires completion of at least 18 UBC credits including any remaining part of the English requirement and at least 9 credits of Science courses numbered 300 or above.

Rationale:

Editorial changes are required in the present entries for promotion to third and fourth years to accommodate major changes in the Faculty of Science regulations approved by Senate (the new Lower-Level Requirement). An addition is made to set a limit on achievement of fourth-year standing for first-degree students.

A new section is added to describe the promotion requirements for second-degree students. The latter students are admitted to different year levels depending on a comparison of their prior studies and the Faculty of Science requirements. Different students admitted to the same year level may have to fulfill different 'missing' requirements. Statements are needed so that second-degree students know the requirements for promotion.

The proposed promotion requirements are broadly parallel to those for first-degree students except for part of the transition from second to third year. Whereas first-degree students must complete six credits of ENGL to attain third-year standing, we propose to allow second-degree students to attain third-year standing after completing only three credits of ENGL. We feel that those students who fulfill their lower-level program requirements quickly and have made progress toward completing the English requirement should have third-year standing in order to be able to register for upper-level courses along with other third-year students at the appropriate time in the summer. The overriding cap of 30 credits within which the full English requirement must be met should prevent these second-degree students from advancing too far in their program before the requirement is met.

The 30-credit cap for completion of the full English requirement is needed to ensure that second-degree students establish the minimal level of competency quickly so as to be able to benefit fully from upper-level courses.

Effective Date: May 1, 2001

Dr. Lyster
Dean Klawe

}

That the preceding five proposals for changes to admissions statements in the Faculty of Science be approved.

Carried.

ADDITION OF ADMISSION REQUIREMENT FOR HONOURS COMPUTER SCIENCE

Present (2000/2001) Calendar Entry - NONE

Proposed Calendar Entry: (page 369, col. 2 after "Co-operative Education Program"):

Honours and Combined Honours

Students who wish to register in an Honours or Combined Honours program in Computer Science must seek approval from the Department Honours advisor prior to registering for second year. Computer Science Honours programs have admission and continuation requirements that are higher than the Science requirements. Information is available through the Computer Science Department web site (<http://www.cs.ubc.ca>).

Rationale:

The 68% average that is required by the Faculty of Science is too low for the Honours students who aspire to get involved in research during their last year of the program and continue graduate studies after graduation. We have noticed that students with an average lower than 72% cannot find a thesis topic nor a supervisor willing to supervise them, and they are forced to switch to a Major program in their last year.

The department does not offer any special sections for the Honours students. Therefore, keeping the average high is one way to distinguish the Honours students from the Majors.

Proposed Web Entry:

(to be posted in the undergraduate program section of the Computer Science Web pages):

Admission and Continuation Requirements for Honours and Combined Honours

Students who wish to register in an Honours or Combined Honours program in Computer Science must seek approval from the Department Honours advisor prior to registering for second year.

To be admitted to an Honours or Combined Honours program in Computer Science, students must

1. Complete all courses attempted, including at least 30 credits in the Winter Session of the first year, and
2. Obtain a minimum average of 76%. Achievement of this minimum does not guarantee admission.

To be permitted to continue in an Honours or Combined Honours program in Computer Science, students must

1. Complete all courses attempted, including at least 30 credits in the previous Winter Session (or at least 15 credits per academic term, for Co-op students), and
2. Obtain an average of 72% or higher.

Effective Date: May 1, 2001.

Dr. Lyster } *That the changes to admission to the Honours*
Dean Klawe } *Computer Science be approved.*

Carried.

CHANGES TO ENVIRONMENTAL SCIENCES UNDERGRADUATE HONOURS PROGRAM ADMISSION REQUIREMENT

Present Calendar (2000/2001) Entry (page 370, col. 3):

Enrolment in each of the years is limited. Admission (normally in second year) is based on academic performance. Admission will require a minimum 72% ("B") average in prior courses. However, attainment of this minimum average does not guarantee acceptance into the program. Students must maintain at least a 68% ("B-") average for continuation. For additional program information, contact the Dean's Office.

Proposed Calendar Entry:

Admission is based on academic performance **and an essay submitted with the application for admission.** Students require a minimum 72% ("B") average in prior courses, and must maintain at least a 68% ("B-") average for continuation **in the program. Students normally apply after first year. For additional information, see the program web site: <http://www.science.ubc.ca/envsc>**

Rationale:

The changes reflect current practice and provide students with more useful guidance.

Effective Date: May 1, 2001

Dr. Lyster } *That the proposed changes to the*
Mr. Simpson } *Environmental Sciences Undergraduate*
Honours Program admission requirement be
approved.

Carried.

Continuing Studies Committee

SCIENCE AND APPLIED SCIENCE: CHANGES TO THE DIPLOMA IN FORESTRY (ADVANCED SILVICULTURE) AND THE DIPLOMA IN FOREST ENGINEERING

Please see 'Appendix A: Summary of Changes to Diploma Programs.'

Dean Yen presented the proposed changes to the two above-mentioned diploma programs, as Chair of the Continuing Studies Committee.

Dean Yen

Mr. Brady } That the proposed changes to the Diploma in Forestry (Advanced Silviculture) and the Diploma in Forest Engineering be approved.

Brady

Carried.

SCHOOL OF REHABILITATION SCIENCES AND CONTINUING STUDIES: CERTIFICATE IN REHABILITATION

Note: The complete text of this proposal is not included in the Minutes. Copies are available from the Manager, Senate and Curriculum Services.

As Chair of the Continuing Studies Committee, Dean Yen had circulated a proposal for a new post-graduate Certificate in Rehabilitation, to be offered jointly by the School of Rehabilitation Sciences and the UBC Centre for Distance Education and Technology. Dean Yen noted that the course load for the program had been revised to include 15 rather than 12 credits. The Continuing Studies Committee had approved the program, and wished to bring it to the attention of Senate.

Curriculum Committee

FACULTY OF SCIENCE

Please see 'Appendix B: Curriculum Change Summary.'

As Chair of the Curriculum Committee, Dr. Berger had circulated three proposals from the Faculty of Science: a new course (CPSC 352) and prerequisite changes for two existing courses (CPSC 310 and CPSC 319).

Dr. Berger
Dr. Tees } *That the proposed curriculum changes from the Faculty of Science be approved.*

Carried.

Nominating Committee

Dr. Williams presented the proposals, as Chair of the Committee.

PRESIDENTIAL ADVISORY COMMITTEE ON THE SELECTION OF A REGISTRAR

The President has requested that, in accordance with a resolution of the Board of Governors passed on April 30, 1979, Senate nominate three members of the above-mentioned Committee. The function of the Committee shall be:

- a) To consider candidates for Registrar; and
- b) To advise the President on the choice of a Registrar in order that she may make an appropriate recommendation to the Board of Governors.

The Nominating Committee recommends the following people to serve on the Presidential Advisory Committee on the Selection of a Registrar:

- a) Ms. Keri Gammon (Student Representative, at-large, Faculty of Science);
- b) Mr. William McNulty (Convocation Senator); and
- c) Dr. David Williams (Representative of the Joint Faculties, Faculty of Science).

Dr. Williams
Dr. Rosengarten } *That Senate concur with the recommendations of the Nominating Committee concerning the Presidential Advisory Committee on the Selection of a Registrar.*

Carried.

COMMITTEE MEMBERSHIP

The Nominating Committee recommends the following appointments to Committees of Senate:

- Continuing Studies -- Dean John N. Saddler

- Curriculum -- Dr. Bikkar S. Lalli to replace Mr. Robert Affleck

- Liaison with Post-Secondary Institutions -- Dean John N. Saddler

Dr. Williams

Dr. } That Senate concur with the recommendations of the Nominating Committee with
Rosengarten } respect to the membership of Committees of Senate.

Carried.

Student Awards Committee

Please see 'Appendix C: New Awards'

As Chair of the Committee, Dr. Thompson presented 28 new awards for approval. He stated that these new awards would provide over \$200 000 annually in support of UBC students. He drew particular attention to the Stanley Hamilton Award, which had been established in honour of a member of Senate.

*Dr. Thompson
Dean Klawe*

}

That the new awards listed be accepted, and recommended for approval by the Board of Governors, and that letters of thanks be sent to the donors.

Carried.

Other Business

FACULTY OF GRADUATE STUDIES POLICY AND PROCEDURES MANUAL

Mr. Brady pointed out that Senate had tabled the Faculty of Graduate Studies Policy and Procedures Manual at its January 21, 2001 meeting (p. 12566), and he asked when the Academic Policy Committee planned to bring it back to Senate. Dr. Tees replied that the Academic Policy Committee was still in the process of improving the document and consulting with Faculties. Some of the proposed changes required approval of the Graduate Council. Dr. Tees hoped to raise the document from the table at either the April or May 2001 meeting of Senate.

Adjournment

Adjournment

There being no further business, the meeting was adjourned.

Next meeting

The next regular meeting of Senate will be held on Wednesday, March 21, 2001.

Appendix A: Summary of Changes to Diploma Programs

DIPLOMA IN FORESTRY (ADVANCED SILVICULTURE) AND THE DIPLOMA IN FOREST ENGINEERING

(same changes to both Diplomas)

- Change in Name: Silviculture Institute of British Columbia: becomes Silviculture and Forest Engineering Institute of British Columbia.
- Expansion of admission requirements to include professionals and professionals-in-training from BC, Canada, and internationally.
- Changes to regulations on attendance and maximum time period allowed for completion.

Appendix B: Curriculum Change Summary

All changes are to be effective September 2001, unless otherwise indicated.

CATEGORY 1 PROPOSALS

Faculty of Science

New course	CPSC 352
Course changes	CPSC 310, CPSC 319

CATEGORY 2 PROPOSALS (FOR INFORMATION)

Faculty of Agricultural Sciences

Course changes	FNH 301, FNH 325, FNH 340
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Faculty of Arts

Program changes	Change to Faculty Requirements on page 135 of the Calendar: addition of courses students can choose from to meet requirements Editorial change to Music program description on pages 324 and 325 Change to Family Studies requirements on page 146 and 147: additional course considered acceptable as part of major Change to Social Work requirements on page 392: elective courses
Course changes	RELG 341, FINA 359, GEOG 395, FMST 442, SOWK 310, SOWK 315, SOWK 335, SOWK 337, SOWK 400, SOWK 405,
Course deletions	SOWK 300, SOWK 336

Appendix C: New Awards

ASSOCIATION Internationale des Jeunes Avocats (A.I.J.A.) Prize in Public International Law-A \$900 prize has been endowed by the Association Internationale des Jeunes Avocats (A.I.J.A.) for a student with high standing in Public International Law. The award is made on the recommendation of the Faculty of Law. (Available 2001/2002 Winter Session)

Ellen L. BATEMAN Bursary in Social Work-Bursaries totalling \$1,200 have been endowed through a bequest by Ellen Leona Bateman for students studying Social Work in the School of Social Work and Family Studies. (Available 2001/2002 Winter Session)

Josephine T. BERTHIER Fellowship-Fellowships totalling \$45,000 have been endowed through a bequest by Josephine T. Berthier for students in a masters or doctoral program in any field of study. The awards are made on the recommendation of the Faculty of Graduate Studies. (Available 2000/2001 Winter Session)

BP Canada Energy Company Scholarship in Geology-A \$2,500 scholarship is offered by the BP Canada Energy Company to a student entering the third or fourth year of a Bachelor of Science degree majoring in Geological Sciences. The award is made on the recommendation of the Department of Earth and Ocean Sciences. (Available 2001/2002 Winter Session)

BRITISH Columbia Ferry Corporation Scholarship-Two \$1,500 scholarships are offered by the British Columbia Ferry Corporation to students entering the third year of the Bachelor of Commerce and Business Administration program specializing in the Transportation and Logistics Option. The awards are made on the recommendation of the Faculty of Commerce and Business Administration. (Available 2001/2002 Winter Session)

Irene R. BROWN Memorial Bursary in Arts-Bursaries totalling \$1,800 have been endowed by Gwendolyn Alice Johnston (nee Holmes) (BA'42) in memory of Irene Brown (BA'42). The awards are offered to students in the Faculty of Arts. (Available 2001/2002 Winter Session)

Mabel Mackenzie COLBECK Scholarship in English-A \$1,100 scholarship has been endowed in memory of Dr. Mabel Mackenzie Colbeck by family, friends and colleagues. The award is offered to a student in the doctoral program in English and is made on the recommendation of the Department of English in consultation with the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

Ian and Frances DOWDESWELL Scholarship in Classical Studies-Scholarships totalling \$700 have been endowed by Ian and Frances Dowdeswell for students in Classical Studies. The awards are made on the recommendation of the Department of Classical, Near Eastern and Religious Studies. (Available 2001/2002 Winter Session)

Ian and Frances DOWDESWELL Scholarship in Electrical and Computer Engineering-Scholarships totalling \$700 have been endowed by Ian and Frances Dowdeswell for students in Electrical and Computer Engineering. The awards are made on the recommendation of the Department of Electrical and Computer Engineering. (Available 2001/2002 Winter Session)

Murray and Mary ELLIOTT Bursary in Education-Bursaries totalling \$9,000 are offered by Murray and Mary Elliott to students in the Faculty of Education who are registered in teacher education programs leading to initial teacher certification in British Columbia. At least 25% of total bursary funds awarded each year must go to First Nations students. The award is offered for five years beginning in 2001/2002 Winter Session. (Available 2001/2002 Winter Session)

FACULTY Memorial Scholarship in Extractive Metallurgy-A tuition scholarship (credit cost) for one academic year has been endowed by Dr. Ralph Carter in acknowledgement of the many fine instructors of the class of 1948. The award is offered to an undergraduate student entering third or fourth year engineering and specializing in Extractive or Chemical Metallurgy. The award is made on the recommendation of the Department of Metals and Materials Engineering. (Available 2001/2002 Winter Session)

Dean FISHER Memorial Scholarship in Zoology-A \$1,000 scholarship has been endowed by Margaret Fisher in memory of her husband for a graduate or undergraduate student specializing in Zoology with a focus on the study of marine mammals. The award is made on the recommendation of the Department of Zoology and, in the case of graduate students, in consultation with the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

William Flanagan FRANCIS Scholarship-A \$2,100 scholarship has been endowed by Dr. M. David Francis in honour of his brother, William Flanagan Francis. The award is offered to an undergraduate student from B.C. School District Number 48 (Howe Sound), with preference for a student entering UBC directly from Grade 12. (Available 2000/2001 Winter Session)

Dan GARDINER Award-A \$2,500 award has been endowed by the Commerce Undergraduate Society and the Faculty of Commerce and Business Administration in honour of Dr. Daniel F. Gardiner. Recipients are selected on the basis of extra-curricular involvement, financial need and academic performance. Candidates must be undergraduates entering the Faculty of Commerce and Business Administration who have at least 27 credits of course work still to be completed before graduation. Candidates must apply to the Faculty each year by February 15. The award is made on the recommendation of a selection committee, at least one member of which is appointed by the Commerce Undergraduate Society, and the Faculty of Commerce and Business Administration. (Available 2001/2002 Winter Session)

Global Citizen of Tomorrow Award-One or more awards of \$27,000 each are offered to outstanding international students who would otherwise be financially unable to pursue post secondary education. The awards are made to students entering the University directly from secondary school or transferring from another post secondary institution to an undergraduate program of study. In addition to academic merit, consideration is given to qualities such as leadership skills, involvement in student affairs or commitment to community service. Consideration will be given to students nominated by The United World Colleges or similar organizations. The awards will be renewed for up to three additional years of undergraduate study provided that the recipient stands in the top quartile of his or her program of study. (Available 2001/2002 Winter Session)

Stanley HAMILTON Award-A \$2,400 award has been endowed by the Commerce Undergraduate Society and the Faculty of Commerce and Business Administration to honour Dr. Stanley Hamilton for his 25 years of outstanding service to UBC's Faculty of Commerce and Business Administration and to the Vancouver community. The award is offered to a student in a Bachelor of Commerce program who has made a significant contribution to the Faculty of Commerce and/or the larger community. Candidates must apply to the Faculty each year by Febru-

ary 15. The award is made on the recommendation of a selection committee, at least one member of which is appointed by the Commerce Undergraduate Society, and the Faculty of Commerce and Business Administration. (Available 2001/2002 Winter Session)

Letitia A. HAY Bursary in Germanic Studies-Bursaries totalling \$3,900 have been endowed through a bequest by Letitia A. Hay for students in Germanic Studies. (Available 2001/2002 Winter Session)

HUI Memorial Fellowship-Two fellowships of \$16,000 each are offered by the Hui Yeung Shing Memorial Foundation to students in a full-time masters or doctoral program. Recipients may be eligible to receive the award in subsequent years if they meet criteria for renewal of University Graduate Fellowships. The awards are made on the recommendation of the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

International Leader of Tomorrow Award-One or more awards ranging in value from \$12,000 to \$20,000 each are offered to outstanding international students who would otherwise be financially unable to pursue post secondary education. The value of each award will depend on the applicant's financial circumstances. The awards are made to students entering the University directly from secondary school or transferring from another post secondary institution to an undergraduate program of study. In addition to academic merit, consideration is given to recognized achievement in fields of endeavor such as performing arts, athletics, debating or creative writing. Consideration will be given to students nominated by the applicant's educational institution. The awards will be renewed for up to three additional years of undergraduate study provided that the recipient stands in the top quartile of his or her program of study. (Available 2001/2002 Winter Session)

International Undergraduate Scholarship-One or more scholarships are offered to outstanding international students who are entering the University directly from secondary school or transferring from another post secondary institution to an undergraduate program of study. The entry scholarships will have a value of \$6,000 and the transfer scholarships will have a value of \$2,500. Provided the winner maintains scholarship standing, the awards will be renewed in the amount of \$2,500 for up to three additional years of undergraduate study. (Available 2001/2002 Winter Session)

Lisle and Sheila JORY Award in Geological Engineering-Awards totalling \$1,500 have been endowed by Dr. Lisle T. and Mrs. Sheila M. Jory for students pursuing graduate research in Geological Engineering. Eligible recipients need not have obtained their undergraduate degree in Geological Engineering but must be qualified and approved to undertake research in that discipline. In addition to financial need and academic merit, consideration is given to leadership skills and involvement in student activities or community affairs. Recipients must be Canadian citizens or Permanent Residents. The awards are made on the recommendation of the Director of Geological Engineering in consultation with the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

LAW Foundation of British Columbia Curriculum Fund Scholarship-Scholarships totalling \$3,000 are offered to students entering second or third year in the Faculty of Law by the Law Foundation of British Columbia. The awards are made on the recommendation of the Faculty of Law. (Available 2001/2002 Winter Session)

Linda and K. C. MACK Bursary in Early Childhood Education-A \$300 bursary has been endowed by Terry Woo in honour of her parents. Preference is given to a student taking courses in early childhood education in the Faculty of Education. (Available 2001/2002 Winter Session)

Robert S. ROTHWELL Bursary in Medicine-Bursaries totalling \$600 have been endowed by Robert S. Rothwell for students in the M.D. program in the Faculty of Medicine. (Available 2001/2002 Winter Session)

Joseph TONZETICH Scholarship-Two \$3,000 scholarships are offered to honour Dr. Joseph Tonzetich of the Faculty of Dentistry for his contributions to dental research. The awards are made to students in the Ph.D. in Oral Biology or M.Sc. in Dental Science who show promising research ability in the fields of biochemistry, microbiology or cell biology of the oral tissues. The awards are made on the recommendation of the Faculty of Dentistry in consultation with the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

UBC Alumni Helen Knight Bursary-Bursaries totalling \$20,000 have been endowed at the UBC Alumni Association through a bequest by Leslie Bernard Knight. The award honours his wife, Helen Knight, B.A. 1922 and a Great Trekker, who was very appreciative of the financial support she received as a student attending UBC. (Available 2001/2002 Winter Session)

VANCOUVER Korean-Canadian Scholarship Foundation Scholarship-A \$1,000 scholarship is offered by the Vancouver Korean-Canadian Scholarship Foundation to a graduate or undergraduate student specializing in Korean Studies in the Department of Asian Studies. The award is made on the recommendation of the Department of Asian Studies and, in the case of graduate students, in consultation with the Faculty of Graduate Studies. (Available 2001/2002 Winter Session)

Erich WAGNER Memorial Scholarship-A \$500 scholarship has been endowed in memory of Erich Wagner, a violinist and music teacher in Germany, by his daughter. It is awarded on the recommendation of the School of Music to a student of a string instrument or voice who has completed at least one year of study at UBC. (Available 2001/2002 Winter Session)

Funding Change: For Information Only

LADNER Prize in Law (Award 02723)-A prize of \$125, has been endowed by the late Leon L. Ladner, Esq., Q.C., LL.D., and is awarded to a student completing second year in the Faculty of Law. The award is made on the recommendation of the Faculty to the student who has obtained the highest aggregate marks.