



THE UNIVERSITY OF BRITISH COLUMBIA

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## VANCOUVER SENATE

### MINUTES OF JANUARY 15, 1997

#### Attendance

**Present:** Dr. S. B. Knight, (Vice-Chair), Vice President Academic D. R. Birch, Dean F. S. Abbott, Dr. P. Adebar, Mr. P. J. Andru, Dr. D. R. Atkins, Dr. J. D. Berger, Dr. G. W. Bluman, Mr. J. Boritz, Mr. P. T. Brady, Dr. P. C. Burns, Professor P. T. Burns, Ms. L. Chui, Dr. V. Froese, Dr. J. H. V. Gilbert, Ms. J. K. Gill, Dr. V. Gomel, Mr. C. L. Gorman, Dean F. Granot, Mr. H. D. Gray, Dr. A. G. Hannam, Rev. J. Hanrahan, Dr. P. G. Harrison, Dr. F. G. Herring, Dr. M. R. Ito, Mr. M. Kirchner, Dr. V. J. Kirkness, Mr. O. C. W. Lau, Mr. A. Legge, Mr. D. K. Leung, Dr. M. Levine, Mr. T. P. T. Lo, Mr. S. Lohachitranont, Dr. D. M. Lyster, Dr. D. J. MacDougall, Dr. M. MacEntee, Dr. P. L. Marshall, Dr. K. May, Dr. W. R. McMaster, Mr. J. Murray, Dean S. Neuman, Mr. J. Nobbs-Thiessen, Mr. V. Pacradouni, Mr. T. Pang, Dr. R. J. Patrick, Mr. R. L. de Pfyffer, Dr. W. J. Phillips, Professor M. Quayle, Dean J. F. Richards, Dr. D. P. Rolfsen, Dr. H. J. Rosengarten, Dr. R. W. Schutz, Dean N. Sheehan, Mr. D. Shu, Dean C. L. Smith, Mr. A. H. Soroka, Dr. J. R. Thompson, Dr. M. Thompson, Dr. S. Thorne, Dr. B. J. van der Kamp, Dr. J. Vanderstoep, Dr. P. A. Vertinsky, Dr. D. L. Williams, Dr. R. A. Yaworsky, Dean E. H. K. Yen.

**Regrets:** President D. W. Strangway, Chancellor W. L. Sauder, Mr. S. Arnold, Dean C. S. Binkley, Dean J. Cairns, Dean M. Goldberg, Professor P. T. K. Lin, Mr. R. W. Lowe, Dean B. C. McBride, Mr. B. G. McDonald, Mr. W. McMichael, Mr. W. B. McNulty, Dean A. Meisen, Dr. H. B. Richer, Dr. C. E. Slonecker, Ms. L. M. Sparrow, Dr. W. Uegama, Mr. D. R. Verma, Dr. W. C. Wright Jr.

#### Senate membership

#### DECLARATION OF VACANCY (UNIVERSITY ACT, SECTION 35(6))

Mr. Anthony Briggs - student representative at-large

#### Minutes of the previous meeting

Dr. Gilbert

Mr. Murray

}

*That the minutes of the second regular meeting of Senate for the Session 1996-97, having been circulated, be taken as read and adopted.*

Carried.

#### Business arising from the previous meeting

#### ENROLMENT STATISTICS

In response to a request at the previous meeting, enrolment statistics from 1991/92 to 1996/97 were circulated at the meeting, for information.

### **Chair's remarks and related questions**

On behalf of President President Strangway, Dr. Knight extended New Year's greetings to all members of Senate.

Vice President Birch informed members of Senate that they would be receiving invitations to meet with members of the Board of Governors at a reception in the Museum of Anthropology from 5:30 p.m. to 7:30 p.m. on Thursday, February 6.

### **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. Awards (p.11548 & 11565)
- ii. Establishment of the Rick Hansen Institute (pp.11531-4)
- iii. Establishment of a Professorship in Health Care Ethics (p.11534)
- iv. Establishment of the Nan Robertson Chair (UBC/BC Cancer Agency) (p.11535)
- v. Establishment of the Blythe and Violet Eagles Chair in Food Biotechnology (p.11551)
- vi. Disestablishment of the Chair in Food Protection and the Chair in Food Marketing (p.11551)
- vii. Establishment of Chairs in the Faculty of Forestry and the Faculty of Arts (pp.11551-2)
- viii. Establishment of The Eric W. Hamber Professorship in Clinical Audiology (p.11553)
- ix. Curriculum proposals from the Faculties of Agricultural Sciences, Arts, Education, Forestry, and Science (pp.11544-7 & 11557-64)

### **Establishment of the Sing Tao School of Journalism**

A proposal to establish the Sing Tao School of Journalism was circulated at the meeting. In presenting the proposal, Dean Neuman explained that the project was being funded entirely from endowment income from a gift made by Sally Aw of the Sing Tao newspaper chain. A Master's program in Journalism, to be considered later in the meeting, had been developed, and it was anticipated that the initial intake would be 15 students a year, increasing to 25 when the program is fully running.

Dean Neuman stated that students will be accepted from two groups: graduates from bachelor's programs, on the basis of writing samples which will be comparable in quality to the portfolios submitted by journalists seeking admission to the program, and journalists who have been practicing in the profession for some years, who want to return to university to upgrade their journalism skills and to gain the kind of advanced scientific knowledge in the areas on which they are reporting. The school is seen in this respect as a way of improving the overall quality of journalism in the country.

The program will be staffed by a Director, two faculty appointments, and two or three associate members. There are several people around the campus who have expressed interest in associate membership. There will also be adjunct appointments from the professional journalism community, some of whom are already participating in the development of the program.

Dean Neuman stated that this was a very exciting initiative that would put UBC at the forefront of journalism education in Canada. She said that there was a great demand for the program and that the faculty had already received many enquiries as to when the program is to be implemented.

*Dean Neuman*  
*Dr. Berger*

}

*That Senate approve, and recommend to the Board of Governors for approval, the establishment within the Faculty of Arts of the Sing Tao School of Journalism.*

Dr. Schutz asked if there was a precedent for having a school named after a particular company or individual.

Vice President Birch said that in recent years several business schools across the country had been named in this way. He stated that in case of the Sing Tao School of Journalism, the gift covers both the construction and the endowment for the operation of

the school, and under those circumstances it seemed not inappropriate to recognize the donor in this manner.

*In amendment:*

*Dr. Schutz*  
*Dr. Williams*

}

*That the motion be amended to read:*

*That Senate approve, and recommend  
to the Board of Governors for approval,  
the establishment within the Faculty of  
Arts of a School of Journalism.*

Dean Neuman stated that the naming of the school was part of the University's agreement with the donor.

The amendment was lost:  
21 in favour and 27 against.

The original motion was put and  
carried.

## **Reports of Committees of Senate**

### **ADMISSIONS COMMITTEE**

Dr. Harrison, chair of the committee, presented the report.

#### *Aboriginal Students*

The committee recommended approval of the following policy statement on admission of aboriginal students:

The University of British Columbia is dedicated to making the University's vast resources more accessible to Aboriginal People, and to improving the University's ability to meet their educational needs. The general policy on admission states "The University of British Columbia seeks applications from students who can benefit from and contribute to the varied and stimulating academic life at this university." The University recognizes that First Nations students can make valuable contributions to its learning environment and therefore invites enquires and applications from Aboriginal candidates to its many and diverse fields of study. Those who do not meet the current academic standing set by the individual Faculties and Schools, but who meet the university-wide academic minimum of 67% for first year programs, will be considered on an individual basis by the applicable Faculty or School and a representative of the First Nations House of Learning. The following will be considered:

1. educational history
2. cultural knowledge, work experience, and achievements that indicate an ability to succeed at university, and
3. educational goals.

Each applicant must submit two letters of reference from persons specifically able to assess the applicant's potential for academic success. One reference letter should be from a recognized Aboriginal organization or community leader. Applicants must also submit a personal letter outlining their academic objectives.

Definition of an Aboriginal Applicant: For the purpose of application and admission to The University of British Columbia, and in accordance with the Constitution Act of 1982, Part II, Section 35(2), an Aboriginal applicant is an Indian, Inuit or Metis person of Canada.

<i>Dr. Harrison</i>	}	<i>That Senate adopt the proposed policy statement on admission of aboriginal students.</i>
<i>Dr. Rosengarten</i>		

Mr. Gray asked if the logic behind the proposal was that the aboriginal community is under-represented at the university. Dr. Harrison responded that the University has voiced a policy of trying to encourage and increase aboriginal students amongst the population, and that this is seen as one logical way of welcoming aboriginal students and providing a way of entering UBC.

Mr. Grey noted that many groups across the province, in addition to aboriginal people, are under-represented, and suggested that the same logic should apply to other under-represented groups.

Vice President Birch responded that one element that has been introduced recently is that some Faculties are now considering a broader basis of admission than merely the grade point average. He said that this is part of a recognition that UBC wants to consider legitimately broader bases for admission to the university when it is appropriate to do so.

In response to a query by Dr. Levine, Dr. Harrison stated that the intention was to give aboriginal students a chance, but not at the expense of other worthy students.

The motion was  
put and carried.

*Faculty of Agricultural Sciences*

The committee recommended approval of the following admission requirements for the International Resource Systems program:

Admission to the International Resource Systems (IRS) program is restricted. To be considered for admission, students are required to have a minimum academic standing of at least 70%. Achievement of this minimum, however, does not guarantee admission if the number of applicants exceeds the number of places available. The average will be calculated on the best 21 credits of post-secondary courses required by the IRS program.

*School of Family and Nutritional Sciences - Dietetics Program*

The committee recommended approval of a revised Calendar entry for admission to the Dietetics program to clarify the current policy and to notify students seeking admission to that program in 1998 that admission will be to the second year of the program only. The committee also recommended approval of a revised Calendar entry for the English Requirement.

*Faculty of Arts*

The committee recommended approval of the following revised Calendar statement for admission to Environmental Studies:

Admission to second year will be based on academic performance in the first 30 credits and will require a minimum 68% average. However, attainment of this minimum average does not guarantee acceptance into the program. Students must maintain at least a 68% cumulative average for continuation in the program.

### ***School of Social Work***

The committee recommended approval of the following admission requirements for a Concentrated Bachelor of Social Work program:

Applicants to the CBSW program are required to meet the following admission qualifications:

1. At least three years of recent experience working directly in child and family welfare services;
2. Bachelor of Arts or equivalent degree;
3. At least 6 credits of English (an exemption test is available for those not meeting this requirement);
4. At least 6 credits of course work dealing with the dynamics of human behaviour, normally selected from the subject area of Psychology;
5. At least 18 credits of course work in the social sciences or humanities, courses may be selected from the subject areas of Anthropology, Canadian History, Economics, Psychology, Political Science, Sociology, and Women's Studies. Course work dealing with the Canadian political system and the history of Canada and its Aboriginal Peoples are highly recommended;
6. An average of at least 65% in their last 60 credits of BA coursework;
7. Where English is not the primary language of the applicant, an official Test of English as a Foreign Language (TOEFL) score must be sent directly from the Testing Authority with a minimum of 580.

### ***Faculty of Dentistry***

The committee recommended approval of editorial changes to the Calendar statement on "Admission of Students to Advanced Standing", and a new Calendar entry under the heading "International Dental Degree Completion Program".

### ***Dental Hygiene Degree Completion Program***

The committee recommended approval of the following revised Calendar statement:

The program, offered full or part-time, requires completion of a minimum of 60 credits of course work, including 34 to 38 credits of core material, following graduation from a dental hygiene diploma program. and must have graduated from a dental hygiene program with a...

### ***Faculty of Education***

The committee recommended approval of changes to the Calendar statement on the Written English Requirement which will require that students must provide evidence of a satisfactory standard of written English prior to registering for a program leading to teacher certification.

### ***Middle Years Teacher Education Program***

The committee recommended approval of the following admission requirements for the Middle Years Teacher Education Program:

The Middle Years Teacher Education program option allows candidates to focus their preparation on teaching students from the ages of 10 to 14 years. After completing all program requirements candidates are awarded the Bachelor of Education (Middle Years) degree and are normally eligible for the British Columbia Professional Teaching Certificate.

Applicants must have completed a four-year Bachelor's degree (or equivalent), normally in subject fields within arts, fine arts, science, commerce or business administration, music and human kinetics (physical education), or in other teaching fields included in the curriculum designed for students from 10 to 14 years of age.

Pre-admission studies for applicants must include:

1. six credits of English literature and composition or UBC Arts One (or equivalent ).
2. At least 3 (preferably 6) credits in each of a laboratory science, in mathematics (not statistics), and in social studies (history or geography). Laboratory science courses are normally selected from the life sciences, chemistry, physical geography, geology, astronomy, or physics.
3. 18 credits at the senior level (normally courses numbered 300 or higher) in one subject area included in the B.C. school curriculum. Applicants should consult the Education section of the UBC Calendar devoted to "Secondary Teaching Field Requirements" for a list of subjects widely taught in B.C. secondary schools.
4. six credits of Canadian Studies.
5. An overall average of 65% on the pre-admission studies specified in 1 to 3 above.

In addition, applicants must have volunteer or other experience in working with young people, preferably at the age range they are proposing to teach.



### ***Teacher Education Program***

The committee recommended approval of the following revised statement on pre-admission studies required for the Mathematics Concentration and Major:

Concentration: 30 credits of mathematics (at least 18 credits of which must be at the senior level) including at least one course in three of four areas: algebra, probability and statistics, geometry, and number theory. Major: An additional 12 credits of senior mathematics.

The committee also recommended approval of the following amendments to the admission requirements for the elementary and secondary teacher education program options:

#### Elementary Teacher Education Program

Pre-admission studies for both program options must include:

1. six credits of English literature and composition (or equivalent).
5. A minimum overall average of 65% on the pre-admission studies specified in 1. to 3.

#### Secondary Teacher Education Program

Pre-admission studies for both program options must include:

1. six credits of English literature and composition (or equivalent).
2. A choice of B.C. secondary schools. Applicants should consult the Education section of the UBC Calendar devoted to "Secondary Teaching Field Requirements" for a list of subjects widely taught in B.C. secondary schools.
3. A minimum average of 65% on the senior courses, normally numbered 300 and above, required for each teaching field.

Deletion of the Calendar entries for Le programme en francais, and new entries on information about requirements for admission to French Immersion and French Second Language Options.

### ***Ed.D. in Educational Leadership and Policy***

The committee recommended approval of the following addition to the Calendar statement regarding the "relevant professional experience" required for admission to the Ed.D.:

"d. at least five years of relevant professional experience."

***Faculty of Forestry***

The committee recommended approval of the following revised statement on admission requirements for the Wood Products Processing program:

Students entering from secondary school must have met the general University entrance requirements (see admissions section of the Calendar), including Mathematics 12, Physics 12, and Chemistry 11. Biology 11 is strongly recommended.

***Faculty of Graduate Studies - Master of Journalism Program***

The committee recommended approval of the following admission requirements for the Master of Journalism Program:

Applicants with journalism experience will submit an extensive sample of their professional work; those without such experience will be selected on the basis of a manuscript of original writing that meets the standard of the peer group selected for entry into the program. Deadline for submissions is November 1 for entry in September of the following academic year. Candidates should consult the School on content requirements for the manuscript submission and program application. The admissions panel will assess the applicant's potential for satisfactory performance in the program and for potential creative and constructive contribution to the profession.

Candidates for admission to the M.J. program must possess a baccalaureate degree in a discipline or interdisciplinary area which is regarded as appropriate by the Admissions Committee for the program. Only applicants with superior performance at the baccalaureate level will be admitted. Applicants will be required to indicate their intended academic speciality at the time they apply. Registration in graduate seminars in the academic speciality will be subject to the approval of the departments offering the courses. Applications may be refused, or deferred, if these departments lack the resources which would enable them to take additional students.

Applicants must meet the admission requirements of the Faculty of Graduate Studies, (see Calendar statement). International applicants will require a score of 600 or more on the Test of English as a foreign language (TOEFL).

***Faculty of Graduate Studies - School of Library, Archival and Information Studies - First Nations Concentration***

The committee recommended approval of the proposed Calendar entry on admission, which states that:

Students who wish to complete the First Nations Concentration are encouraged to so indicate when they apply for admission to the chosen program. Admission procedures for each of the two programs are described above.

*Faculty of Graduate Studies - Master's degree program*

The committee recommended approval of the following revised statement on minimum admission requirements for admission to the Master's degree program:

- A. Honours in the field of the proposed Master's courses with standing in the A letter grade range (80% at UBC) in at least 12 credits of third and fourth year course work in that field, or
- B. A minimum overall average in the B+ grade range (76% at UBC) in third and fourth year level courses prescribed by the Department concerned as prerequisite to the master's program.

*Faculty of Graduate Studies - International Applicants*

The committee recommended approval of a proposal to add the following statement regarding international applicants, under admission requirements:

Applications for admission to graduate study are welcome and encouraged from international students who demonstrate superior academic standing.

*Faculty of Medicine*

The committee recommended approval of the following amendment to the Calendar statement on admission of students by transfer to the Faculty of Medicine:

Requests for partial year transfers will not be considered. Transfer/visiting students will be required to complete the entire year of the UBC program as presented. Individualized programs cannot be accommodated.

***Faculty of Pharmaceutical Sciences***

The committee recommended approval of the following Calendar statement on admission to the Community Pharmacy Residency Program:

Graduates of any Canadian pharmacy school are eligible for admission. All applicants must satisfy the requirements for registration as a pharmacist with the College of Pharmacists of B.C. The selection is highly competitive and is determined using a process conducted by the Community Pharmacy Residency Program Committee based on applicant interviews, letters of reference, as well as academic and clinical performance during the undergraduate pharmacy program.

<i>Dr. Harrison</i>	}	<i>That the proposals of the Faculties of Agricultural Sciences, Arts, Dentistry, Education, Forestry, Graduate Studies, Medicine and Pharmaceutical Sciences, be approved.</i>
<i>Dr. Vertinsky</i>		

Carried.

**CURRICULUM COMMITTEE (SEE APPENDIX A)**

Dr. Berger, chair of the committee, presented the report.

***Faculties of Medicine and Dentistry***

Dr. Berger explained that the proposed problem-based learning program involved extensive revision of the first two years of programs in the Faculties of Medicine and Dentistry, and was a major development in curriculum at UBC. This is a fundamental shift in the pattern of teaching, course requirements, and the way in which students are to be handled in evaluation systems. Initially, the committee had some concerns about the system of evaluation, the availability of appropriate physical resources and human resources required for carrying out the program. However, on examining the material the committee was very impressed with the system of evaluation that has been developed. Throughout the process there has

been a high degree of coordination with a professional educational consultant. In terms of physical resources, 22 tutorial rooms had been located which satisfies the minimum required. The problem of availability of computers had been resolved with the acquisition of forty new computers. Of the two hundred and forty tutors required, two hundred and eleven are in place and clinical tutors are being asked to participate. Extensive consultations had been undertaken with other Faculties. As a result, a large number of issues were raised in terms of content, sequence of presentation, and the development of the teaching units for the first two years of the program. The major issues have been dealt with, and the remaining issues are being attended to. The material being recommended for approval deals with the specifics of the first two years.

With regard to the Faculty of Dentistry, Dr. Berger stated that the Faculty had modified their program rather extensively. Two new courses on clinical dental skills were being introduced during the first two years. Dental students will be doing essentially most of the same first two year program as the Faculty of Medicine. Dr. Berger stated that this was a new development which would have broad implications for the future. This will mean an increase in the amount of work Dental students will be required to do to complete their program. Details of the later years are still being worked out.

<i>Dr. Berger</i>	}	<i>That the curriculum proposals from the Faculties of Medicine and Dentistry be approved.</i>
<i>Dr. Harrison</i>		

Dr. Levine drew attention to the academic rationale for the proposed change which states that the reason for introducing such a major change is that concerns

were expressed, both internally and externally, about the quality of the medical program. Dr. Levine asked why the decision was made to go to a problem-based curriculum in addressing these concerns when this approach is more costly in terms of human and other resources. Dr. Levine also stated that there is no evidence that the end product is superior. In fact, there are some concerns about the nature of the reasoning process of students that learn medicine by a problem based approach.

In the absence of Dean Cairns, Dr. Chalmers, Associate Dean of Medicine, was invited to respond. He explained that this was not strictly problem-based curriculum. He explained that the curriculum consists of a core of tutorials in case-based situations, but that it also contains traditional lectures and laboratories to supplement it. He stated that the Faculty had chosen what seems to be the best of both worlds, and after spending a considerable amount of time reviewing more literature and going to other medical schools both in America and Europe, made a decision based on what the Faculty felt provided the safest and most successful route to educate students.

The motion was  
put and carried.

It was noted in the report that a proposal from the Department of Pharmacology and Therapeutics to offer an optional 5-year B.Sc. Co-operative Education program is being withheld pending consideration by the Faculty of Science.

*Faculty of Graduate Studies - Journalism Program*

The committee recommended approval of a proposal to establish a Master's Program in Journalism, subject to changes to the proposed Calendar statement.

*Dr. Berger*  
*Dr. Harrison*

}

*That the proposal of the Faculty of Graduate Studies to offer a Master's Program in Journalism be approved.*

Carried.

*Faculty of Agricultural Sciences*

The committee recommended approval of curriculum proposals from the Faculty of Agricultural Sciences.

*Faculty of Applied Science*

The committee recommended approval of curriculum proposals from the Faculty of Applied Science.

*Faculty of Arts*

Editorial changes from the Faculty of Arts were circulated for information.

*Faculty of Commerce and Business Administration*

The committee recommended approval of curriculum proposals from the Faculty of Commerce and Business Administration.

*Faculty of Graduate Studies*

The committee recommended approval of curriculum proposals from the Faculty of Graduate Studies, subject to editorial changes, including a proposal to offer a First Nations Concentration in either the M.L.I.S. or M.A.S. degree programs; proposed revisions to the Ed.D. program replacing the two current Ed.D. programs in Adult Education and Educational Administration with one program in Educational Leadership and Policy; proposed revisions to the M.S.N. program; and a proposal to reinstate the LL.B./M.B.A. Combined Program. Commerce Graduate editorial changes were circulated for information.

*School of Human Kinetics*

The committee recommended approval of curriculum proposals from the School of Human Kinetics, subject to the following:

- HKIN 372: delete "An introduction to" from description
- HKIN 461: change the statement: "Credit will be given for only one of" to: "Same as FMPR 480."
- HKIN 471: change the statement "Credit will be given for only one of" to "Same as FMPR 481."

*Faculty of Law*

The committee recommended approval of curriculum proposals from the Faculty of Law.

*School of Nursing*

The committee recommended approval of curriculum proposals from the School of Nursing, subject to editorial changes and revisions to the proposed Mission Statement.

*Faculty of Pharmaceutical Sciences*

The committee recommended approval of two new courses proposed by the Faculty of Pharmaceutical Sciences.

*School of Rehabilitation Sciences*

The committee recommended approval of curriculum proposals from the School of Rehabilitation Sciences.



<i>Dr. Berger</i>	}	<i>That the proposals of the Faculties of Agricultural Sciences, Applied Science, Arts, Commerce and Business Administration, Dentistry, Graduate Studies, Law, Medicine, Pharmaceutical Sciences, and the Schools of Human Kinetics, Nursing, and Rehabilitation Sciences, be approved.</i>
<i>Dr. Gilbert</i>		

Carried.

***Requirements to receive a Degree or Diploma***

The committee recommended approval of the following revision of the first paragraph of the Calendar statement on Attendance:

The requirements for degrees and diplomas are described in the Faculty sections of the Calendar. Except where the requirements of a particular degree or diploma program specifically state otherwise, a student must:

- a) satisfy all the program requirements by completing studies either at UBC or elsewhere, and
- b) satisfy at least 50% of the program requirements while registered in the program. In undergraduate programs, at least 50% of the courses completed to satisfy this requirement should be upper division UBC courses.

<i>Dr. Berger</i>	}	<i>That the revised Calendar statement on Attendance be approved.</i>
<i>Dr. Froese</i>		

In response to a query, Dr. Spencer explained that whatever degree a student takes, whether it is a second degree in the same Faculty or in a different Faculty, the student has to complete half of the requirements of that degree with new courses, which ensures that in a four-year degree you do two more years of work. By expressing that requirement you also address the issue of can a person count the same course twice, and the answer is yes for half the degree but no for the other half.

Ms. Lica Chui, student representative, expressed concern that the proposed statement was somewhat unclear and stated that it was important that the requirements be made clear in the Calendar and through academic advising sessions.

Dr. Spencer agreed that it was perhaps true that, to someone completely unaware of the requirements, the statement did not clarify exactly what the requirements are. He did, however, think that it would enable an advisor or someone familiar with the requirements to quickly understand them and work through a student's transcript and tell them what they have to do and what they have already done that will count towards a second degree, which is where much of the difficulty of understanding the existing requirements has occurred.

Student representative Mr. Kirchner suggested an amendment, and, after further discussion, Senate agreed that the statement be revised to read as follows:

"The requirements for degrees and diplomas are described in the Faculty sections of the Calendar. Except where the requirements of a particular degree or diploma program specifically state otherwise, a student must:

- a) satisfy all the program requirements by completing studies either at UBC or elsewhere;
- b) satisfy at least 50% of the program requirements while registered in the program; and
- c) in undergraduate programs, at least 50% of the courses completed to satisfy requirement (b) must be upper division UBC courses."

The motion, as re-worded above, was put and carried.

## **Faculty of Applied Science**

### **PROPOSAL TO CHANGE THE NAME OF THE DEPARTMENT OF ELECTRICAL ENGINEERING TO THE DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**

A proposal to change the name of the Department of Electrical Engineering to The Department of Electrical and Computer Engineering, had been circulated.

<i>Dr. Ito</i>	}	<i>That the proposal to change the name of the Department of Electrical Engineering to The Department of Electrical and Computer Engineering be approved.</i>
<i>Dr. Gilbert</i>		

In the absence of Dean Meisen, Dr. Donaldson, Head of the Department of Electrical Engineering, was invited to speak to the proposal. He explained that the reason for the proposed name change was to describe more clearly what the department does. The Computer Engineering option within the Electrical Engineering degree program began ten years ago and it was decided to accept up to 20 students out of about 100. The demand for this program has grown considerably since then to the point that there are now more students in the Computer Engineering option of the program than there are in the Electrical Engineering program itself. Dr. Donaldson said the name change will, hopefully, remove confusion and uncertainty in the minds of prospective students who often enquire if Computer Engineering is available at UBC. The same question arises from employers. The name change would also alleviate the difficulty some students have experienced in trying to obtain professional engineering registration. Dr. Donaldson stated that most departments of electrical engineering in Canada have changed their name, and that others are in the process of doing so.

In response to a query, Dr. Donaldson stated that the head of the Department of Computer Science supports the name change, and that the two departments work closely with each other.

The motion was  
put and carried.

### **Academic Year 1997/98 - for information**

A draft of the section of the Academic Year for inclusion in the Calendar had been circulated for information.

### **Other business**

#### **SENATE NOMINATING COMMITTEE**

Dr. Williams, chair of the committee, notified members that, in accordance with procedures established by the Board of Governors and Senate, he would be bringing to the next meeting the committee's recommendations for three members of Senate to serve on a Presidential Advisory Committee for the selection of a Vice-President Academic. Dr. Williams stated that, at that time, additional nominations could be made from the floor.

#### **CHILD STUDY CENTRE**

Dr. Rolfsen drew Senate's attention to the proposed closure of the Child Study Centre. In speaking to what he considered to be a tragedy, in that a time honoured institution of UBC had been shut down rather abruptly, Dr. Rolfsen said that he felt that the procedure had been precipitous and noted that it had been done without consultation of Senate. He said that it could be well argued that the centre is an academic unit with the academic function of research in childhood education and also training of graduate students.

Dr. Rolfsen gave notice of the following motion:

That Senate affirm its authority in decisions to close an academic unit and direct the President's Office to take no concrete actions or budgetary decisions regarding the Child Study Centre unless and until its closure has been approved by Senate; and

That Senate strike an ad hoc committee to study possibilities for re-structuring the Child Study Centre for continued operation as an interdisciplinary or community-based facility. This committee shall report to Senate at its next meeting.

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*Adjournment*

**Adjournment**

The meeting adjourned at 9:30 p.m.

**Next meeting**

The next regular meeting of Senate will be held on Wednesday, February 19, 1997.

## **Appendix A**

### **COURSE AND CURRICULUM PROPOSALS**

#### *Faculty of Agricultural Sciences*

- Changes: BIOE 300 now FOOD 300 (3) Principles of Food Engineering  
FOOD 401 - change title and delete description  
PLNT 335 - cross-list with BIOL 315  
PLNT 336 - cross-list with BIOL 316  
PLNT 413 - cross-list with BIOL 443  
SOIL 313 - change in title and prerequisites
- Deletions: ANSC 303, 307, 420, 437, 447, 487  
Delete Calendar entry: HUNU 209 may be taken for Arts credit as List B...  
Editorial Calendar changes in program descriptions

#### *Faculty of Applied Science*

- New course: APSC 440 (3) Management Fundamentals for Technology-Based Product Marketing Development
- Change: Complementary Studies English Requirement - delete reference to " or ENGL 301 "

#### BIO-RESOURCE ENGINEERING

- Change: BIOE 390 - change hours
- Deletion: BIOE 300

#### CHEMICAL ENGINEERING

- Changes: CHML 473 - change in number now 373, hours, description, and credits from (2) to (3)
- Program changes to Third Year of Environmental (Option 2) and to Second, Third, Fourth and Fifth Years of the Chemistry Honours program

#### CIVIL ENGINEERING

- Changes: CIVL 301 - change in number now 401, drop prerequisite  
CIVL 415 - change title and description  
CIVL 445 - change description, add prerequisite

#### Program changes

- Deletions: CIVL 437, 438

#### ELECTRICAL ENGINEERING

- New courses: ELEC 353 (4) Digital Systems Design  
ELEC 361 (3) Signals and Systems Laboratory  
ELEC 373 (4) Electro-Mechanical Energy Conversion and Transmission  
ELEC 374 (4) Electronics and Electromechanics

Changes: ELEC 314 - change description, credits and hours  
ELEC 315 - change title, description, credits and hours  
ELEC 320 - change title, description, prerequisite, corequisite, hours  
ELEC 356 - change description, credits and hours  
ELEC 360, 364 - change description and hours  
ELEC 452 - change number now 352, title, description, hours  
ELEC 453, 454 - change hours  
ELEC 464 - change number now 379, title, description, hours  
ELEC 474 - change credits, prerequisite, corequisite, hours

Program changes to Second and Third year Computer Option and Third Year Regular Option

#### ENGINEERING PHYSICS

Changes and additions to Calendar statements on Co-operative Education Programs

Program changes to Second Year and Fourth Year - Option 1

New Honours Mathematics Option

#### MECHANICAL ENGINEERING

New courses: MECH 201 (3) Mechanical Engineering Laboratories I  
MECH 202 (3) Mechanical Engineering Laboratories II  
MECH 203 (2) Machine Shop Practice

Changes: MECH 495 -- change description

Program changes Second and Third Year

Deletion: MECH 271

#### MINING AND MINERAL PROCESS ENGINEERING

New courses: MMPE 496 (3) Advanced Computer Application in the Mining Industry  
MMPE 497 (1-3)d Directed Studies

Changes: MMPE 333 - change description  
MMPE 401, 431 - change credits, prerequisite, hours  
MMPE 494 - change credits

Program changes in Second, Third and Fourth Year

Deletion: MMPE 499

#### *Faculty of Arts*

Changes: Editorial changes to Calendar program descriptions  
ENGL 322, 323 - change in prerequisite  
GEOG 370, 423 - change in title

Changes: FREN 334, 335 - change in description and credits  
CDST 450 - change in description and credits  
PHIL 240, 340 - change description  
PHIL 416 - change description, credits, prerequisite  
PHIL 418 - change credits  
FILM 233 - change title and description  
FILM 333, 432 - change description  
FILM 433 - change title and prerequisite  
SPAN 110 - change description  
ITST 432 - change title

Deletion: FILM 334

*Faculty of Commerce and Business Administration*

Changes: COMM 427 - change in number now 327, title and description  
COMM 428 - change in title and description  
COMM 327 - change in number now 425, and description

Editorial changes to note under MIS option program

New course: COMM 412 (3) Negotiation

New Co-operative Education Program

*Faculty of Dentistry*

New courses: DENT 410 (6) Introductory Clinical Dentistry  
DENT 420 (6) Introductory Clinical Dentistry

Self-directed curriculum - revised Calendar statement:

Commencing August 1997, the Faculty of Dentistry intends to implement a new curriculum that will stress self-directed student learning and problem based learning in small group tutorials. Lectures and laboratories will continue to be part of the new curriculum. In the first two years of study, dental students will take most of their instruction with students from the Faculty of Medicine. The curriculum will continue to meet accreditation requirements of the Commission on Dental Accreditation of Canada. In addition to the courses taken with medical students, the first two years also will include a course exclusively for dental students that will provide an introduction to the clinical environment that will encourage an understanding of basic sciences in relation to clinical dentistry. Currently, the third and fourth years of the new curriculum also are under development. The new curriculum will be completed within four years, and each academic year will be longer than the current curriculum. Further details are available from the Dental Admissions Office.

*Faculty of Graduate Studies*

ANIMAL SCIENCE

Change: ANSC 505 - change in number, now 506



ANTHROPOLOGY AND SOCIOLOGY

New course: SOCI 562 (3/6)d Seminar in the Sociology of Mass Media and Communications

AUDIOLOGY AND SPEECH SCIENCES

Deletions: AUDI 501, 503, 506, 567, 587

New course: AUDI 550 (1-3)d Topics in Audiology and Speech Sciences

BIOCHEMISTRY & MOLECULAR BIOLOGY

Change: BIOC 509 - change in title, description and credits, now (3)

CHEMICAL ENGINEERING

Changes: CHML 560 - change in description and credits, now (3)  
CHML 563 - change in credits, now (3)

CIVIL ENGINEERING

Changes: CIVL 596 - change in description  
CIVL 599 - change in credits, now (12)

COMMERCE AND BUSINESS ADMINISTRATION

New course: BAFI 508 (1.5) Cases in Financial Strategy  
BAPA 519 (1.5) Corporate Environmental Strategy

Change: COMM 547 - change credit from (0) to (3)

Editorial changes to: BAEN 500, BAFI 506, 520, BAIM 512, BASM 508, 590,  
BAPA 510, BATL 510, BAIT 501, 504, 505, 506, 510, 511,  
512

EARTH AND OCEAN SCIENCES

Deletion: GEOL 541

Change: GEOL 521 - change description to: Seminar. Given in alternate years.

New courses: ATSC 506 (3) Numerical Techniques for Ocean, Atmosphere and Earth Scientists  
OCGY 510 (3) Numerical Techniques for Ocean, Atmosphere and Earth Scientists

EDUCATION

Ed.D. program revision - replace the two current Ed.D. programs in Adult Education and Educational Administration with one program in Educational Leadership and Policy

New course: EDST 690 (0) Ed.D. Thesis

ELECTRICAL ENGINEERING

- Change: ELEC 565 - change in credits  
ELEC 573, 574 - change in credits, now (3)  
ELEC 578 - change in title and description, add prerequisite  
ELEC 591 - change description  
ELEC 595 - change description and credits, now (3)
- New courses: ELEC 547 (3) Software and System Testing  
ELEC 598 (3) Intelligent Systems Applications to Electrical Power Systems

FAMILY AND NUTRITIONAL SCIENCES

- Changes: HUNU 511, 513, 515, 517, 531 - change in hours and credits

JOURNALISM - MASTER'S PROGRAM

The program is designed for persons with extensive journalistic experience, and for those who do not have such experience but who demonstrate superior writing and research ability on a par with the peer group.

Because students' backgrounds vary, the number of credits required for the MJ degree will be determined in consultation with the Program Director or designate. The number of credits will never be less than 36, and must be selected from each of the five core areas listed below:

<b>Newsroom Practice</b>	<b>6-18</b>
Journalism 503 Newsroom Practice and Standards	(3-9 credits)
Journalism 505 Principles of Investigative Journalism	(3-9 credits)
<b>Media Studies</b>	<b>6-12</b>
Journalism 520 Issues in Contemporary Journalism	(3-9 credits)
Journalism 533 Ethics and the Law	(3-9 credits)
Journalism 549 Thesis	(6-12 credits)
<b>Research and Writing of Investigative &amp; Feature Articles</b>	
CRWR 516 Applied Creative Non-fiction	(6 credits)
<b>Academic Studies outside Journalism</b>	
to include at least 12 graduate credits in an academic specialty	

- New courses: Journalism 503 (3-9)d Newsroom Practice and Standards  
Journalism 505 (3-9)d Principles of Investigative Journalism  
Journalism 520 3-9)d Issues in Contemporary Journalism  
Journalism 533 (3-9)d Ethics and the Law  
Journalism 539 (3-9)d Directed Studies  
Journalism 549 (6-12)d Thesis

LAW

- New course: LAW 522 (2-4) Modern Legal Culture: Historical Explorations
- LL.B./M.B.A. Combined Program reinstated. Calendar entry revised. Total credits reduced from 140 to 131 because of previously approved changes to the M.B.A. program.

LIBRARY ARCHIVAL, AND INFORMATION STUDIES

First Nations Concentration:

The First Nations Curriculum Concentration in either the M.L.I.S. or M.A.S. degree offers students the opportunity to complete courses selected for their relevance to the First Nations librarian or archivist. In addition to the required courses of the chosen program (M.L.I.S. or M.A.S.) a student enrolled in the Concentration must also take courses in fundamentals of the other SLAIS program, and elective courses offered by SLAIS and other departments. All elective courses must be chosen for their particular application to First Nations studies. Satisfactory completion of the Concentration will be noted on the student's transcript.

Revised Calendar statement on Advanced Standing

Under Master of Library and Information Studies - requirements for the degree, change the last sentence of the second paragraph beginning "The examinations at the conclusion" to read: "No other courses may be begun for credit toward the degree until these courses have been successfully completed. (The comprehensive examination will no longer be a requirement for the M.L.I.S. degree.)

Under Master of Archival Studies - requirements for the degree, in the first paragraph change the sentence beginning "The remainder of the program" to read: "The remainder of the program consists of either 24 credits of additional courses including ARST (a 3-credit graduation paper), or 12 credits of course work and ARST 599 (a 12 credit thesis). (The comprehensive examination will no longer be a requirement for the M.A.S. degree.)

Changes: LIBR 544, 545, 569 - change in credits, now (3/9)d

MATHEMATICS

Change: MATH 589 - change in credits from (0) to (3)

METALS AND MATERIALS ENGINEERING

New course: MMAT 564 (3) Hydrometallurgical Reactor Design and Analysis

NURSING

Revisions to to the M.S.N. program:		Credits
Required courses:	NURS 501, 502, 503, 504	12
Focus courses: from among:	NURS 520, 527, 530, 537, 540, 547, 550, 551, 557, 560, 567	12-15
Optional/Elective courses		3-6
Graduating Essay		3
Thesis		6
New courses:	NURS 501 (3) Theoretical and Critical Thinking in Nursing NURS 502 (3) Nursing and the Delivery of Health Care	

New courses:     NURS 503 (3) Historical and Theoretical Development of Nursing Knowledge  
                      NURS 504 (3) Nursing Research  
                      NURS 520 (3) Administrative Leadership in Nursing  
                      NURS 527 (3) Practicum in Administrative Leadership in Nursing  
                      NURS 530 (3) Advanced Practice Nursing  
                      NURS 537 (3) Practicum in Advanced Practice Nursing  
                      NURS 540 (3) Educational Processes in Nursing  
                      NURS 547 (3) Practicum in Educational Processes in Nursing  
                      NURS 550 (3) Qualitative Research Methods  
                      NURS 551 (3) Quantitative Research Methods  
                      NURS 557 (3) Practicum in Nursing Research  
                      NURS 560 (3) Health Policy  
                      NURS 567 (3) Practicum in Health Policy

OCCUPATIONAL HYGIENE PROGRAM

Changes:        OCCH 598, 506 - change from percentage to pass/fail  
                      OCCH 505 split into two courses, now:  
                          OCCH 505 (1.5) Ergonomics  
                          OCCH 508 (1.5) Safety

PHYSICS AND ASTRONOMY

Change:        PHYS 571 - change title, delete description

*School of Human Kinetics*

Changes:        HKIN 372 - change prerequisite  
                      HKIN 461 - cross-list with FMPR 480  
                      HKIN 471 - cross-list with FMPR 481

*Faculty of Law*

New course:     LAW 306 (3) Law and Society in British Columbia and Yukon

*Faculty of Medicine*

The first half of the year begins with a two week orientation in which students are introduced to the case-based learning (CBL) method, receive instruction in the use of computers and are oriented to the departments of the medical school and the components of the new curriculum. Following the orientation phase, Principles of Human Biology continues for 13 weeks. This course has the CBL tutorial as its primary teaching methodology with supporting lectures and labs. The second half of the first year consists of a series of courses within the Foundations of Medicine program where students will focus on the basic science mechanisms responsible for clinical manifestations of disease.

A revised entry for the new Case-Based Learning Curriculum will be printed in the Calendar.

New courses:      ORIN 400 (2) Orientation to Medical School and Profession  
                         PRIN 401 (12) Principles of Human Biology  
                         DPAS 410 (6) Doctor/Dentist, Patient & Society I  
                         INDE 410 (6) Introductory Clinical Skills & Systems I  
                         FMED 401 ((6) Host Defenses & Infection  
                         FMED 402 (6) Cardiovascular  
                         FMED 403 (6) Pulmonary System  
                         FMED 404 (6) Fluids, Electrolytes and Renal GU  
                         DPAS 420 (6) Doctor/Dentist, Patient & Society II  
                         FMPR 420 (6) Family Practice Continuum II  
                         INDE 420 (6) Advanced Clinical Skills & Systems II  
                         FMED 421 (2) Blood and Lymphatics  
                         FMED 422 (1) Integumentary System  
                         FMED 423 (4) Musculoskeletal and Locomotor System  
                         FMED 424 (6) Gastrointestinal/Nutrition  
                         FMED 425 (6) Endocrine & Metabolism  
                         FMED 426 (10) Brain and Behaviour  
                         FMED 427 (10) Growth, Development, Reproduction and Life Cycle

Change:            FMPR 401 - change in title, credits and description

Grading System for the Revised Medical Undergraduate Curriculum - a new grading system will use numerical and letter grades for all courses. Pass/Fail grades will not be used.

### *School of Nursing*

Revised curriculum - the curriculum design is patterned after an "upper division" model; that is, nursing courses are concentrated at the upper levels (traditionally, years 3 & 4) of the program, building on a base of general university studies achieved either in first or second year or as part of a previous degree program. The program for registered nurses is designed around the core of upper level nursing courses, but allows students greater flexibility in selecting courses to meet their individual learning needs. A 12-month full-time program is possible, greatly facilitating access for practising nurses in the workforce; distance delivery is also possible for this group of students.

New courses:      NURS 310 (3) The Core of Nursing Practice  
                         NURS 311 (3) Individual/Family Frameworks for Nursing Practice  
                         NURS 312 (3) Supportive Environments for the Health of Families  
                         NURS 320 (4) Nursing Roles & Competencies I  
                         NURS 321 (3) Nursing Roles and Competencies II  
                         NURS 330 (6) Nursing Care of Individuals within the Context of  
                         Community  
                         NURS 331 (6) Nursing Care of Families  
                         NURS 350 (3) The Sociocultural Construction of Health and Illness  
                         NURS 410 (3) Exploring Avenues of Nursing Practice  
                         NURS 413 (3) Fostering Population Health  
                         NURS 414 (2) Transitions in Nursing Practice  
                         NURS 415 (3) Nursing: Future Perspectives  
                         NURS 422 (3) Nursing Roles and Competencies III: Action Strategies  
                         for Population Health

NURS 430 (6) Population-Focused Nursing Practice I  
NURS 431 (6) Population-focused Nursing Practice II  
NURS 450 (3) Critical Enquiry and Evidence-based Practice  
NURS 451 (3) Health Policy and Outcomes  
NURS 452 (3) Ethical Basis of Health Care  
NURS 453 (3) Leadership and Management in Health Care  
NURS 460 (6/8)d Consolidation Practice Experience

Deletions: NURS 105, 130, 131, 202, 230, 231, 302, 303, 304, 305, 333, 334,  
335, 405, 406, 408, 409, 426, 432, 440, 441, 442, 443, 444, 445

*Faculty of Pharmaceutical Sciences*

New courses: PHAR 490 (3) Alternative Medicines in Pharmacy Practice  
PHAR 407 (3) Drug Information Skills

Community Pharmacy Residency Program - a one-year postgraduate community pharmacy residency program is offered by the Faculty of Pharmaceutical Sciences

*School of Rehabilitation Sciences*

Program changes - substitute PHYL 301 for BIOL 363 in the B.Sc. (O.T.) and (P.T.) programs

Change: RSOT 235, 335, 435 - change in title  
RSOT 207, 323 - delete description  
RSOT 424 - change in description and vector  
RSOT 416, 436 - change in vector