January 21, 1987

The Fifth Regular Meeting of the Senate of The University of British Columbia for the Session 1986-87 was held on Wednesday, January 21, 1987 at 8.00 p.m. in Room 102, George F. Curtis Building.

Present: President D. W. Strangway (Chairman), Chancellor W. R. Wyman, Vice-President D. R. Birch, Dr. F. S. Abbott, Dr. C. E. Armerding, Ms. P. M. Arthur, Dr. E. G. Auld, Dean G. S. Beagrie, Mrs. H. M. Belkin, Ms. M. Branson, Acting Dean S. Cherry, Dr. T. S. Cook, Ms. L. M. Copeland, Miss A. M. Daszkowski, Dr. J. D. Dennison, Dr. D. Donaldson, Dr. G. W. Eaton, Mr. L. N. Ennis, Dr. J. A. S. Evans, Dr. C. V. Finnegan, Mrs. E. D. Fulton, Dr. J. Gaskell, Dr. J. H. V. Gilbert, Dr. M. A. Goldberg, Dr. M. A. Hickling, Mrs. D. Jones, Dr. J. P. Kimmins, Mr. J. Kulich, Dr. L. M. Lavkulich, Dr. D. S. Lirenman, Dean P. A. Lusztig, Dr. H. J. Matheson, Mr. J. M. McConville, Mr. D. McInnes, Acting Dean T. D. McKie, Mr. M. G. McMillan, Dean J. H. McNeill, Dean A. Meisen, Dean R. C. Miller, Jr., Mr. D. M. Mustard, Mr. C. Niwinski, Mr. G. Olivotto, Miss M. Parikh, Mr. S. R. Pearce, Mrs. G. E. Plant, Dean J. F. Richards, Mr. J. Ringwald, Dr. D. F. Robitaille, Mr. T. J. Savage, Dr. G. G. E. Scudder, Dr. L. de Sobrino, Dr. R. A. Spencer, Dr. J. K. Stager, Dr. R. Stewart, Mr. M. Sugimoto, Mr. G. Taylor, Dr. P. R. Tennant, Dr. R. C. Thompson, Dean W. A. Webber, Dr. L. S. Weiler, Dean R. M. Will, Dr. D. LL. Williams, Mr. J. A. Williamson, Dr. M. D. Willman, Dr. J. L. Wisenthal, Miss N. E. Woo, Mr. R. A. Yaworsky.

Messages of regret for their inability to attend were received from Dr. T. M. Ballard, Rev. P. C. Burns, Dean P. T. Burns, Mr. G. D. Burnyeat, Dean R. W. Kennedy, Mrs. A. Macdonald, Dr. A. G. Mitchell, Professor D. Pavlich, Dr. J. Vanderstoep.

Senate membership

Replacements

Ex-officio

Dr. Sheldon Cherry, Acting Dean of the Faculty of Graduate Studies - replaces Dean Peter Suedfeld from January 1 to June 30, 1987

Faculty of Pharmaceutical Sciences

Dr. Frank S. Abbott, representative of the Faculty of Pharmaceutical Sciences, replaces Dr. T. H. Brown

Minutes of previous meeting

Dr. Lavkulich) That the minutes of the Fourth regular
Mr. Pearce) meeting of Senate for the Session 1986-87, having been circulated, be taken as read and adopted.

Carried

Chairman's remarks and related questions

Dr. Strangway informed Senate that Mr. Pattison had declined to accept the honorary degree offered to him by the University. Dr. Strangway stated that he had written to Mr. Pattison expressing the regret of the University at his decision.

A copy of the President's Report on the Library had been circulated at the meeting. Dr. Strangway stated that this was the first of a number of President's reports covering the issues and problems facing universities. He stated that his first report was an in depth look at the library's history; its use by the community; the many contributions made by the community; the information explosion and the various steps taken to deal with this as efficiently as possible, and some of the issues and options for the future.

Mr. McInnes, the University Librarian, thanked the President for making the Library the subject of his first report and also expressed appreciation to Community Relations for the excellent work done in producing the report. He also stated that he was pleased to see recorded the contributions of librarians, library committees, and friends of the Library, both past and present. He hoped that the report would lead to the support necessary to maintain a truly excellent library for the province, as an important part of the national library and information system.

Dr. Wisenthal commented that the report was an indication of the President's support for the Library and that it augured well for the future.

Dr. Strangway informed Senate that his next report would cover the creative and performing arts and their role in this University.

Chairman's remarks and related questions (continued)

Dr. Strangway reported that he had received a letter from the Premier's office asking the three universities to prepare a position paper on the role of the universities in the economy. In his response, Dr. Strangway stated that he had indicated that the University would be addressing a very broad range of issues. He stated that this would be an opportunity for the University to re-state very clearly the basic issues and the basic things that universities do and how fundamental they are to the functioning and operation of our society, and that the paper will not be limited to questions of science and technology, corporate spin-offs and direct industry activities.

Dean Will stated that he was pleased that the President did have an opportunity to be heard in this way and that the University should be grateful that the Minister had given the President this opportunity. Dean Will stated, however, that he was concerned about the exact manner in which the question had been put and hoped that the President in his answer would indicate that the University's responsibility is to society as well as to the economy and the economic well being of the province. He felt that since the question had been put this way, it would be wise to use the language in terms best understood by individuals putting the question in this manner. He said that he hoped that the President would remind the Minister that the University's business is in investment in human capital, and that this investment is one of the most important parameters or variables affecting economic growth.

Chairman's remarks and related questions (continued)

Dr. Strangway drew Senate's attention to Open House which will be held on March 6, 7 and 8, and expressed the hope that members of Senate, faculty, students, friends and families, as well as members of the community would participate in this event.

In conclusion, Dr. Strangway stated that he had attended a luncheon on Saturday, January 10, 1987, at which the Premier had awarded the Premier's Awards of Excellence to one student from each of the college districts in the province, judged to be the best student in that district, who had chosen to come to a post-secondary institution in B.C. He stated that many had chosen to come directly to U.B.C. and that many of those who had chosen to attend one of the colleges had indicated they intended eventually to come to U.B.C.

In response to a query concerning the clarification of the difference between deferring a degree and declining a degree, as in the case of Mr. Pattison who had deferred acceptance of an honorary degree in 1986 and then declined the degree in 1987, the Chairman stated that he would refer this question to the Tributes Committee for a response and report back to Senate.

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 the formal agreement of 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) Establishment of the Canada/Korea Chair in Korean Studies, recommended by the Faculty of Arts (pp.8799-8800)

(ii) Course changes recommended by the Faculty of Commerce and Business Administration (p.8805)

(iii) New courses (with the exception of PAED 452 and PATH 437), and course and calendar changes recommended by the Faculty of Medicine (p.8805)

Reports of Committees of Senate

Admissions Committee

Faculty of Applied Science

The following change to the Calendar statement under Humanities Elective Courses had been considered by the Committee:

"In addition to English 100 which is a required course, Humanities Elective courses totalling 7.5 units (9 units in Chemical Engineering) should be selected from courses given in the Faculty of Arts which are not mathematical or scientific in content."

Dr. Finnegan, Chairman of the Committee, stated that the Committee recommended approval, subject to the addition of the words "...as determined by the Faculty of Applied Science."

Dr. Finnegan) That the proposed change to the
Dean Meisen) Calendar statement under Humanities Elective courses, recommended by the Faculty of Applied Science be approved, subject to the addition recommended by the Admissions Committee.

Carried

Revision of Requirements for Admission to Engineering

The following proposal had been circulated at the meeting:

"Under "Admissions from Science":

(a) second paragraph - change to read:

"Applicants who have taken at least two or more years of Science normally must have an overall average on all courses taken in their most recent two years of study in Science, including any failed courses, of at least 60 percent."

(b) third paragraph - change to read:

"Applicants from First Year Science at The University of British Columbia or an approved university or college should normally have taken the following prerequisite subjects (applicants who are deficient one or more of these subjects should consult the Office of the Dean of Applied Science).

Reports of Committees of Senate

Admissions Committee

Faculty of Applied Science

Revision of Requirements for Admission to Engineering (continued)

(c) Under "Admission from Engineering Programs at Other Universities":

delete the words, "A high second class standing is normally required" and start the second sentence: "Students who have been required to withdraw . . .".

The Committee recommended approval of item (a), subject to the following rewording of the proposed change:

"Applicants registered in the Faculty of Science who have taken 30 or more units normally must have an average on all courses taken in their most recent 30 units of study in Science, including any failed units, of at least 60 percent."

Dr. Finnegan) That the proposed revision of requirements
Dean Meisen) for admissions from Science, item (a), be approved, subject to the modifications recommended by the Admissions Committee.

Carried

The Committee recommended that approval of item (b) be withheld pending discussion involving the Faculty of Applied Science, the Faculty of Science and the Senate Admissions Committee.

Dr. Finnegan) That approval of item (b) be withheld
Dean Miller) pending discussion involving the Faculty of Applied Science, the Faculty of Science and the Senate Admissions Committee.

Dr. Spencer stated that the proposal had been approved by the Faculty in November and had not been discussed by the Admissions Committee until January. The Faculty had had no opportunity to respond and as a consequence the change would not appear in the Calendar.

Reports of Committees of Senate

Admissions Committee

Faculty of Applied Science

Revision of Requirements for Admission to Engineering (continued)

In amendment:

Dean Miller) That item (b) be approved, subject to
Dean Meisen) minor modifications in wording to be agreed upon by the Deans of Applied Science and Science and the Chairman of the Senate Admissions Committee.

Carried

The Committee recommended approval of item (c) subject to the following rewording:

Change to: "While Engineering students attending other universities and wishing to transfer to the Faculty of Applied Science at UBC will be considered; students who have been required to withdraw from an engineering program at another university will not be considered."

Dr. Finnegan) That the proposed revision of requirements
Dean Meisen) under "Admission from Engineering Programs at Other Universities", item (c), be approved, subject to the modifications recommended by the Admissions Committee.

Carried

Curriculum Committee (see Appendix 'B')

Dr. Thompson presented the report on curriculum proposals submitted by the Faculty of Agricultural Sciences, the Faculty of Applied Science, the School of Architecture, the Faculties of Arts, Commerce and Business Administration, Dentistry, Forestry, Graduate Studies, Law, Medicine, and the Schools of Nursing, Physical Education and Recreation, and Rehabilitation Medicine.

Reports of Committees of Senate

Curriculum Committee (continued)

Faculty of Agricultural Sciences

The Committee recommended approval, with the exception of Food Science 414 which is being withheld pending satisfactory consultation with Microbiology, and subject to the following:

Department of Food Science, under Program Change, Agricultural Sciences 400 should read Agricultural Sciences 410.

Department of Plant Science, Note 4, delete all references to (1.5) units after the course numbers.

Department of Soil Science, Note 3, delete all references to (1.5) units after the course numbers.

Faculty of Applied Science

(i) The Committee recommended approval, subject to minor editorial changes and with the exception of proposed changes to Physics 250, 452, 453, 454, 455 and 458 and changes to the Engineering Physics programs which are being withheld subject to approval by the Faculty of Science.

N.B. The unit value of CIVL 479 (which is to be changed to CIVL 413) should be changed from (1) to (1.5). It should also be noted that the addition of CIVL 431 to the Fourth Year Civil Engineering Program is effective September 1988.

(ii) The committee recommended approval of a revision to the Calendar statement for Co-operative Education Programs in the Faculty of Applied Science.

School of Architecture

The committee recommended approval of Calendar changes from the School of Architecture.

Faculty of Arts

The Committee recommended approval, subject to the following:

Department of Theatre, under Third and Fourth Years, change "third year and above" to read "only courses numbered 300 and above".

Faculty of Commerce and Business Administration

The Committee recommended approval of a Four-Year Bachelor of Commerce Degree Program, subject to the following:

Change in number - COMM 291 to COMM 237 (omitted from submission)

Reports of Committees of Senate

Curriculum Committee

Faculty of Commerce and Business Administration (continued)

COMM 290 - change description to read: "Introduction to decision models in business; production planning; linear programming; probability theory and discrete random variables."

COMM 296 - change description to read: "Introduction to the basic concepts of management and administration; the internal operation of the enterprise; the relationship between the enterprise and the business environment; the analytical tools including computer literacy used in management."

Under list of deletions for September 1988 - change COMM 291 to COMM 237

Under Dean's Honour Roll change second paragraph to read: "The words "with Honours" will be placed on the transcript of record, the degree certificate and the degree parchment of a student graduating with the B.Com. degree where the average is 80% or better in the normal courseload of the final two years. A maximum of three units of 200 level courses may be included in this average."

Faculty of Dentistry

The Committee recommended approval of curriculum proposals from the Faculty of Dentistry.

Faculty of Forestry

The Committee recommended approval, subject to the following"

WOOD 335 - under Prerequisite, change Mathematics 205 to read Mathematics/Statistics 205 and delete Statistics 204

WOOD 371 and 377 - delete Forestry 111 from list of prerequisites

WOOD 470 - delete Forestry 111 from list of prerequisites

WOOD 482 - the following change in description was omitted from the submission:

"Principles and methods of seasoning of forest products; principles of finishing wood. Offered in 1986/87 and in alternate years thereafter."

FORH 463 and 465 - delete Physics 170 from list of prerequisites

FRST 204 - under Prerequisite, Soils 200 should read Soil Science 200

FRST 306 - delete Forestry 204 from list of prerequisites

Reports of Committees of Senate

Curriculum Committee

Faculty of Forestry (continued)

Forestry 351, unit value should read (1.5)
Program changes - First and Second Year, move item 2 to Third Year

Faculty of Graduate Studies

(i) The Committee recommended approval of curriculum proposals, subject to the following:

MMPE 590 should read MMPE 592, and the title should read Stability and Rheology of Mineral Suspensions.

MMPE 572 - the unit value should read (1/2)d

(ii) The committee recommended approval of a Graduate Program in Experimental Medicine, subject to the following:

Calendar Entry - on sixth line change D.D.M. to D.M.D. and change the last sentence to read: "The student's research program must be acceptable to his or her research supervisor as well as to the Department's Committee on Postgraduate Degree in Experimental Medicine."

MEDI 501 - change description to read: "Abnormal physiological mechanisms in diseases of the heart, lungs, kidney, gastrointestinal tract, and central nervous system."

(iii) The Committee recommended approval of further curriculum proposals, subject to the following:

COMM 536, change the title to read: "Analysis and Design of Information Systems"

PATH 501, title should read: "Systemic Pathology"

Faculty of Law

The committee recommended approval of a new course, subject to minor editorial changes.

Faculty of Medicine

(i) The committee recommended approval of two new courses, PAED 452 and PATH 437, which had been withheld at the November 12, 1986 Senate meeting.

(ii) The committee recommended approval of curriculum proposals, subject to the following:

PATH 306 - Delete the words "course in" from the description.
(N.B. The previous number for this course was 403 not 404)

Reports of Committees of Senate

Curriculum Committee (continued)

School of Nursing

(i) The Committee recommended approval of curriculum revisions, subject to the following:

Under the Fourth Year of the program add: Nursing 445 (0) Extended Practicum in Professional Nursing

Nursing 131 - add: "Prerequisite: Nursing 130"

Nursing 202 - the hours should be (3-2-0)

Nursing 230 - change "...middle adults..." to read "...middle-aged adults..." in the description of this course.

Nursing 442 - add: "Prerequisite: generic students only, Nursing 432"

Nursing 304 - note that the Statistics 203 prerequisite has been deleted.

Nursing 426 - the hours should be (3-0-0;0-0-0)

(ii) The committee recommended approval of additional proposals concerning the ratio of lecture hours to clinical hours for 3-unit courses and the completion of the St. John Ambulance basic life support course "Basic Rescuer".

School of Physical Education and Recreation

(i) The Committee recommended approval of curriculum revisions, subject to the following:

N.B. All reference to PHED 220 should read PHED 200

Change PHED 220 to PHED 200

Change last sentence on page 4 to read: "These core courses are normally to be taken in first and Second Years (exception: 1.5 units from either PHED 310 or 320 shall be taken in Third or Fourth Year)".

Under Second Year, change PHED 220 to PHED 200

Note 2, first sentence should read: "A total of 24 to 33 units..."

Replace Note 3 with the following:

"3. Teacher Certification Program: the requirements for the Faculty of Education Teacher Certification Programs in Physical Education are given in the Faculty of Education section of the Calendar."

Reports of Committees of Senate

Curriculum Committee

School of Physical Education and Recreation (continued)

PHED 310 and 320 - change units to (1.5-6)d

Change PHED 410 to PHED 420

PHED 367 Leisure and Disabled Persons - change description to read: "Leisure opportunities and policy issues for..."

PHED 284 - the co-requisite statement should read: "Co-requisite: Physical Education 391. Prerequisite: completion of First Year."

PHED 352 - approval recommended subject to change in title and description, as follows: 352 (1.5) Health and Lifestyles in Physical Education - Health and wellness issues in physical education; personal, social and professional benefits accruing from healthy lifestyles, especially physical activity. Prerequisite: Physical Education 391.

PHED 355 - add d after the unit value

PHED 375 - add change in prerequisites.

PHED 492 - Delete the words "Analysis of...".

PHED 448 - Units should read: (1.5/3)d. Change hours to (2-2).

PHED 361 - the proposed change in prerequisite from PHED 262 to PHED 391 is not to be considered until approved by the Faculty of Education.

PHED 261 - "contey" should read "contemporary".

N.B. PHED 262 and PHED 201-290 will be deleted in September 1989 and PHED 301-450 will be deleted immediately.

(ii) Programs offered by the School.

N.B. Replace PHED 220 with PHED 200 and PHED 410 with PHED 420 in all programs

Exercise Science - The committee recommended approval (Under Year 3 change PHED 220 to PHED 200)

Motor Performance and Control - The committee recommended approval (Under Year 2 change PHED 220 to PHED 200)

Leisure Studies - The committee recommended approval (Under Year 2 change PHED 220 to PHED 200)

Reports of Committees of Senate

Curriculum Committee

School of Physical Education and Recreation

(ii) Programs offered by the School. (continued)

Health and Fitness - The committee recommended approval, subject to specialization (iv) being changed to read "(iv) 6 units of 300 and 400 level science courses which carry credit in the Faculty of Science". Note that the unit value under item 2. should read 12-15. Also note that in specialization (iii) COMM 362 should be replaced by (1.5) units of Arts, Science or Commerce electives.

Instruction and Coaching - The committee recommends approval, subject to the following:

The unit value for the Instruction Specialization should read (10.5-13.5) and for the Coaching Specialization (13.5).
The Elective should read (18-21) units.
All references to PHED 410 should be changed to PHED 420
Add "Commerce" after Arts/Science under Year 1, 2, 3 and 4
Under Year 4 the unit value for "Arts/Science/Commerce" and "Program Elective" should read: (3-6) and (0-3) respectively.

Leisure & Sport Administration - The committee recommends approval (Under Year 2 change PHED 220 to 200.) N.B. COMM 362 should be replaced by (1.5) units of Arts, Science or Commerce electives.

General Studies in Physical Education - The committee recommends approval (Under Year 2 change PHED 220 to 200.)

School of Rehabilitation Medicine

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

Dr. Thompson)
Dr. Goldberg) That the proposals of the Faculty of Agricultural Sciences, the Faculty of Applied Science, the School of Architecture, the Faculties of Arts, Commerce and Business Administration, Dentistry, Forestry, Graduate Studies, Law, Medicine, and the Schools of Nursing, Physical Education and Recreation, and Rehabilitation Medicine be approved, subject to the provisos noted.

Reports of Committees of Senate

Curriculum Committee (continued)

In response to queries concerning the Four-Year Bachelor of Commerce Degree Program, Dean Lusztig stated that U.B.C. was the only university in North America offering a five-year business program. He felt that it was unfair to students to provide a bachelor's degree in five years when every other university in North America is able to offer it in four. He also felt that in the five-year program, Commerce had been providing a great deal more specialization than is appropriate for a bachelor's degree. He stated that the Faculty had considered the breadth required for a university education, and because they appreciated the importance of a general education they had been very careful to preserve that first year of Arts and Science. Cuts had therefore been made to the remainder of the program. Dean Lusztig noted that the trend elsewhere for professional faculties moving to a four-year program had been to eliminate either the Arts or Science component. While it was true that within the three years of Commerce both the Commerce and non-Commerce component had been cut, they had kept the first year 15 units outside of the Faculty.

In response to a further query it was confirmed that the Faculty of Law had been consulted and had supported the discontinuation of the Combined B.Com./LL.B. degree for students enrolling in the new Four Year Commerce Program.

Concern was expressed that the proposed changes to Physics 250, 452, 453, 454, 455 and 458 and changes to the Engineering Physics programs were being withheld and would not therefore appear in the 1987/88 Calendar.

Reports of Committees of Senate

Curriculum Committee (continued)

In amendment:

Dr. Auld)
Dean Meisen) That the proposed changes to Physics 250, 452, 453, 454, 455 and 458 and changes to the Engineering Physics programs be accepted.

Dr. Thompson explained that the Committee had always operated under the principle that courses or programs offered in one Faculty and budgeted for in another Faculty had to be approved by both those Faculties, but in particular by the budget Faculty. In the past, approval of such items had been recommended subject to acceptance by the second Faculty, but that is usually in a case when it is clear that the other Faculty will be dealing with it before any particular important deadline. In this case, it was clear that it would have been pointless for the Committee to make a recommendation for approval subject to approval by Science, because it could not have been dealt with by the Faculty of Science in time for the January Senate meeting, which is the last meeting for approval of items to be published in the Calendar. To pass this amendment could create a rather difficult precedent of having one Faculty having something passed by Senate which really affects two Faculties.

The Dean of Science indicated that he had no problem with the amendment.

The amendment was put and carried.

Dr. Cook noted that there was a great shortage of nursing personnel in the province and asked if the number of places in the Nursing program would be increased in light of the revised curriculum proposals presented by the School of Nursing. In response, Dr. Willman stated that she was aware of the concern about the shortage of nurses in the province but

Reports of Committees of Senate

Curriculum Committee (continued)

could not say that there would be an increase in the number of places within the next two years since the School was still in the process of meeting expectations for faculty reductions. Dean Meisen commented that with higher admission standards it would be reasonable to expect a lower failure rate, which would therefore result in an increase in the number of students graduating from the program.

Dean Lusztig drew attention to the proposals from the School of Physical Education and Recreation and statements that 3-6 units could be taken from Arts, Science, or Commerce electives. He pointed out that students enrolled in first year University could not take courses in first year Commerce since there are prerequisites to these courses.

The motion to approve the proposals presented by the curriculum committee, as amended, was put and carried.

Nominating Committee

Dr. Tennant, Chairman of the Committee, presented the following report:

"1. Membership and Officers of Senate

Item 2.3 of the report of the ad hoc Committee on Senate Procedures, adopted at the April 23, 1986 meeting, states that "Senate shall elect a Vice Chairman at least annually, who shall chair meetings in the absence of the president; but in no case shall a vice chairman serve more than two consecutive terms."

The Nominating Committee recommends that Dr. C. V. Finnegan be elected Vice-Chairman replacing Dr. A. J. Elder for the remainder of the 1986-87 session.

N.B. The committee understands that further nominations may be made from the floor.

2. Vacancies on Senate Committees

The Nominating Committee nominates the following persons to fill vacancies on Senate Committees:

Admissions

Mr. G. Taylor - replacing Mr. Neil Benson

Reports of Committees of Senate

Nominating Committee

"2. Vacancies on Senate Committees (continued)

Appeals on Academic Standing

Dr. J. P. Kimmins - replacing Dr. T. H. Brown
Dr. D. F. Robitaille - replacing Dr. A. J. Elder

Budget

Dr. L. M. Lavkulich - replacing Dr. B. C. McBride

Student Appeals on Academic Discipline

Acting Dean S. Cherry - replacing Dean P. Suedfeld
Dean R. C. Miller, Jr. - replacing Dr. T. H. Brown

Student Awards

Acting Dean S. Cherry - replacing Dean P. Suedfeld

Library

Dr. F. S. Abbott - replacing Dr. B. C. McBride

Senate representatives on:

Vancouver School of Theology - Mrs. G. E. Plant replacing Dr. A. J. Elder
Regent College - Dr. G. W. Eaton replacing Dr. T. H. Brown"

Dr. Tennant) That Dr. C. V. Finnegan be elected
Dr. Cook) Vice-Chairman of Senate, replacing Dr. A. J. Elder, for the remainder of the 1986-87 session.

Carried

Dr. Tennant) That the recommendations of the Nominating
Dr. Cook) Committee to fill vacancies on Senate Committees, and for Senate representatives to serve on the Vancouver School of Theology Senate and Regent College Senate, be approved.

Carried

Reports of Committees of Senate (continued)

Committee on Student Awards

Dr. Williams) That the new awards (listed in Appendix 'A')
Dean Lusztig) be accepted subject to the approval of the Board of Governors and that letters of thanks be sent to the donors.

Carried

Tributes Committee

Honorary Degrees - progress report on proposed alterations to procedures

At the November 12, 1986 meeting, the Tributes Committee was instructed to prepare a report proposing alterations to the current procedures for the selection and approval of candidates for honorary degrees, and that the report be received for decision by Senate at its meeting in January 1987.

Dr. Dennison stated that the Committee was not yet ready to submit its final report to Senate but felt that it should make a progress report in order to give members of Senate an opportunity to make suggestions. He stated that the Committee receives approximately 100 nominations for honorary degrees each year. These nominations come from various groups, from individuals, and sometimes a large number of individuals nominate the same person. Nominations are received from both inside and outside the university community. He stated that the Committee certainly expected and encouraged nominations from outside the university community. Having addressed these 100 or more names, the Committee is then engaged in a process to reduce the list and eventually arrive at a final list. There is a very open discussion, and an examination of the curricula vitae or the equivalent thereof. The material is read by members of the Committee, during which there is a process of elimination. At the same time there is an attempt to keep a

Reports of Committees of Senate

Tributes Committee

Honorary Degrees - progress report on proposed alterations to procedures (continued)

number of categories in mind. Basically there are four categories: one representing the academics; one representing the arts and humantities - visual and performing arts; one representing public service, which covers a wide range; the fourth category representing the business community and other such groups. Clearly some individuals transcend one or two or more of those categories, but bascially the discussion revolves around those categories; the intent being that there will be representation in the final list for those four categories. In the final stages of the process the Committee has adopted various approaches. There is a voting procedure which attempts to produce a short list, which represents a majority view of the Committee, from the final list of names. There are now six graduation ceremonies and that does play a role in the number of candidates selected, but there is no set number. The final list that is presented to Senate comes as a package representing the various categories described.

The motion passed at the November 12 meeting asked the Committee to do two things; to look at the criteria and to look at the procedure. Dr. Dennison stated that the Committee spent some time on the criteria and decided to cast a wide net that was broad enough to meet its needs as far as its experience had indicated. Dr. Dennison then read to Senate the existing criteria for awarding honorary degrees: "The award of an honorary degree is a recognition by The University of British

Reports of Committees of Senate

Tributes Committee

Honorary Degrees - progress report on proposed alterations to procedures (continued)

Columbia of distinguished achievement or of outstanding service. Nominees should be distinguished scholars, creative artists, public servants, persons prominent in the community and the professions and others who have made significant contributions to the life of the University, to the province, or nationally or internationally. The over-riding criterion for the awarding of an honorary degree should be excellence, eminenence, and accomplishment." The Committee looked at these criteria and was of the opinion that it should not be changed. In the final report these will be the criteria placed before Senate.

Dr. Dennison stated that, as instructed, the Committee had also discussed possible procedures for the general eligibility criteria which would be applied by the Tributes Committee in selecting candidates for presentation to Senate, which would allow for the written presentation to Senate of a brief c.v. on each honorary degree candidate. Dr. Dennison stated that under the powers of Senate section 36 (h) of the University Act, which reads: "to provide for and to grant degrees, including honorary degrees, diplomas and certificates of proficiency, except in theology", clearly indicates that Senate has the final say. One of the problems facing the Committee was the need for confidentiality, given the fact that the Committee would be discussing the names of individuals without their knowledge and without their permission. Their permission is not obtained, they presumably have no knowledge that they are being considered for an honorary degree until they are informed by the President that they are invited to do so.

Reports of Committees of Senate

Tributes Committee

Honorary Degrees - progress report on proposed alterations to procedures (continued)

Bearing in mind the need for confidentiality, the Committee suggested that the following procedure might be adopted. The agenda prepared for Senate would include the names of the individuals to be proposed for honorary degrees, in effect the short list. The names would be accompanied by a brief statement on their backgrounds and their particular field of endeavour, in other words the rationale for the names coming forward. The members of Senate would receive this a week before the meeting. Furthermore, members of the Senate would be invited on a confidential basis to examine, read, and view the c.v and any other material available. The material would be kept in the Ceremonies Office. Members of Senate only would be invited to look at this material. Then, at the Senate meeting the names would be proposed en bloc and the Committee would recommend that Senate accept this list of names as the candidates for honorary degrees. In conclusion, Dr. Dennison stated that the Committee felt that the procedure outlined was a reasonable compromise and that it met the concerns written or unwritten contained in the November 12 motion.

In the discussion that followed, a variety of suggestions were made with respect to the Committee itself. There were several suggestions that it might be enlarged to better reflect the various interest groups in the University. There was a suggestion that sub-committees in various discipline areas be established. A number of speakers emphasized the need to protect the confidentiality of the names and that any unnecessary circulation of the names under consideration might

Reports of Committees of Senate

Tributes Committee

Honorary Degrees - progress report on proposed alterations to procedures (continued)

violate confidentiality. Others, however, expressed the view that Senate needed time to consider the candidates and to know more about their background. There was also discussion on the voting procedure when Senate was asked to approve the final list. While some felt that individual voting was desirable, others felt that this would be an embarrassment to individuals who were not aware that their names had been put forward. One suggestion made was that nominators use a standard form which would include background material on the candidates. Another member of Senate felt that there should be a substantially expanded committee, delegated to make the decision. The member stated that the committee should be charged with the responsibility of maintaining confidentiality, and it should be delegated to make a decision on the final list presented to Senate.

Dr. Dennison thanked members of Senate for their comments and suggestions and stated that the Committee would take them into consideration in compiling its final report.

Academic Dress for B.Sc. (Dietetics) Degree

Dr. Dennison reported that last spring, Senate had approved the granting of a B.Sc. (Dietetics) degree. The Tributes Committee recommended that the colours for the hood be turquoise with a gold and white twisted cord.

Reports of Committees of Senate

Tributes Committee

Academic Dress for B.Sc. (Dietetics) Degree (continued)

Dr. Dennison) That the colours for the hood for the
Dr. Tennant) B.Sc. (Dietetics) Degree be turquoise with a gold and white twisted cord.

Carried

Faculty of Graduate Studies

Residency requirements - change in Calendar statement

The following revised Calendar statement had been circulated:

B. Program of Study - 1.(a) Replace first paragraph with the following two paragraphs (i) and (ii). No change to para (iii).

(i) Students admitted with a Bachelor's degree normally will be required to spend a minimum of three winter sessions in full-time status at the University (see Graduate Student Status" in this section).

(ii) Students admitted with a Master's degree normally will be required to spend a minimum of two winter sessions in full-time status at the University. Departments may recommend a longer residency requirement.

(iii) For students with Master's degrees and relevant professional experience, the residence requirement may be reduced to twelve consecutive months on campus. Candidates must meet special requirements, details of which can be obtained from the Dean of Graduate Studies.

It was stated in the material circulated that one of the requirements of Admitted to Candidacy is that the student complete the residency period. However, nowhere is a minimum residency period defined. Residency for students with a Bachelor's degree is defined as normally three winter sessions. For students with a Master's degree this period may be reduced but neither a normal nor a minimum period is defined.

Faculty of Graduate Studies

Residency requirements - change in Calendar statement (continued)

A reduced residency of twelve consecutive months is provided for students who satisfy special conditions.

Acting Dean Cherry)
Dean Beagrie)
That the revised Calendar statement concerning residency requirements be approved.

Carried

Proposed Schedule for Classes and Examinations - 1987-88

The following recommended Schedule for Classes and Examinations for the 1987-88 Academic Year had been circulated:

Tue. Sept 1 - Fri. Sept 4	- Registration Week.
Mon. Sept 7	- Labour Day - University closed.
Tue. Sept 8	- Winter Session day and evening classes begin.
Fri. Dec 4	- Last day of classes for most faculties, scheduling formal Christmas examinations.
Mon. Dec 7 - Fri. Dec 18	- Christmas exam schedule.
Fri. Dec 18	- First term ends, Winter Session.

It was stated in the material circulated that, historically, registration week (four days) has followed Labour Day. Continuing this practice would have term 1 ending on December 23, 1987 with no flexibility in the examination schedule. This proposal, for an earlier registration week and start date, allows for the scheduling of the thirteen weeks of classes and a ten day examination period ending December 18, 1987. The adoption of this new schedule will allow for the increasing number of final examinations in term 1.

Dr. Finnegan)
Dr. Tennant)
That the Schedule for Classes and Examinations for the 1987-88 Academic Year be approved.

Carried

The meeting adjourned at 10.30 p.m

The next regular meeting of Senate will be held on Wednesday, February 18, 1987.

Secretary

Confirmed,

Chairman

APPENDIX 'A'

New awards recommended to Senate

British Columbia Forest Products Limited Fellowship in Silviculture - This fellowship, the gift of British Columbia Forest Products Limited, provides $5,000 annually for the support of graduate studies in silviculture in the Faculty of Forestry at The University of British Columbia. The fellowship will be awarded to a candidate recommended by the Faculty of Forestry in consultation with the company. (Available 1987/88 Winter Session)

Canadian Society for Chemical Engineering Prize - A prize of a medal, a certificate and $50, the gift of the Canadian Society for Chemical Engineering, is offered to a student entering the final year. It will be awarded to the student obtaining highest standing in the third year of Chemical Engineering. (Available 1986/87 Winter Session)

Leslie E. Harowitz Memorial Prize - A prize in the amount of approximately $300 has been established by friends of "Glenrobin" in memory of Leslie E. Harowitz. The award will be made on the recommendation of the Faculty of Law. (Available 1986/87 Winter Session)

Paul Heller Fellowship - A fellowship in the amount of $1,500 has been made available by his wife and children, to commemorate Paul Heller's 75th birthday. The fellowship will be made on the recommendation of the Faculty of Graduate Studies to a student planning a career related to forest products. While achievements in the field of forest products will be the primary criteria for selection, the financial circumstances of the candidate will also be taken into consideration. Preference will be given to Canadian citizens or permanent residents. (Available 1987/88 Winter Session)

Parrish E. Lalonde Memorial Scholarship - A scholarship in the amount of $500 has been endowed in memory of Parrish Lalonde who lost his life in a plane crash while returning to University on September 1, 1986. This award has been established by his family and many friends, and pays tribute to his outstanding scholastic ability, his fine personal qualities and the high regard and affection in which he was held. It will be awarded on the recommendation of the Faculty to a student in the Faculty of Commerce and Business Administration with preference to a student entering second year. (Available 1987/88 Winter Session)

Katherine Genevieve MacDougall Memorial Prize - A prize in the amount of approximately $450 has been made available by family and friends, in memory of Katherine MacDougall. The award will be made on the recommendation of the Faculty of Law, to a student who achieves high academic standing. In years when Law 350 (Children and the Law) is offered, the prize will be available for that course. (Available 1986/87 Winter Session)

Dean of Medicine Medical Student Aid Fund - A short term revolving loan fund has been donated by the Honourable Thomas A. Dohm, Q.C., B.A., LL.D. for the purpose of providing short term loans for students in the Faculty of Medicine who are in good academic standing and who, in the opinion of the Dean of Medicine are also in need of financial assistance. Applicants should contact the Dean of Medicine's office. (Available 1986/87 Winter Session)

APPENDIX 'A'

New awards recommended to Senate (continued)

Dr. Margaret Mullinger Prize in Paediatrics - A prize in the amount of approximately $500 has been endowed by friends and associates in honour of Margaret Mullinger. The award will be made to the third year medical student who, in the opinion of the Department, has shown outstanding ability in Paediatrics. (Available 1986/87 Winter Session)

C. L. Mitchell Prize - An annual prize in the amount of $200 has been made available to recognize Mr. Mitchell's contributions over more than 30 years to students in the Faculty of Commerce and Business Administration. The prize will be awarded to the student obtaining the highest standing in Commerce 353 (Intermediate Financial Accounting). The award will be made on the recommendation of the Faculty. (Available 1986/87 Winter Session)

Thunderbird Society Scholarship - A scholarship in the amount of $750 has been made available by the UBC Thunderbird Society. The award will be made to a student who demonstrates outstanding academic ability and is also a member of the UBC Golf Team. The award will be made on the recommendation of the Director, Athletics and Sport Services in consultation with the Director, Awards and Financial Aid. (Available 1986/87 Winter Session)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF AGRICULTURAL SCIENCES

Agricultural Economics

Change program footnote 5 to read: Core courses include Agricultural Economics 302, 306, 340, 361, 374, 400, 407 and 420. Students selecting Agricultural Economics 499 must choose a minimum of 7.5 units from this list, those taking Agricultural Economics 498 require 9 units.

Change program footnote 1 to read: This requirement may be met by a choice of courses offered within the Faculty but outside the Department. The choice normally will be made from the following list: Animal Science 258, Bio-Resource Engineering 258, Food Science 258 or 259, Plant Science 259, Soil Science 200 or 214.

Food Science

New course — Food Science 404 (1.5) Food Analysis - Physical and Sensory Methods

Changes — Food Science 402 - change in hours
Food Science 303 - change hours and description

Change explanatory note 1 to read: The program must include 4.5 units of courses chosen from the following list in consultation with a faculty advisor: Agricultural Economics 201 or 258; Bio-Resource Engineering 258; Animal Science 258; Plant Science 259, Soil Science 200 or 214.

Deletion — Food Science 412

Program change:

Third and Fourth Year

Agricultural Sciences 300	1
Agricultural Sciences 410	1.5
Bio-Resource Engineering 300	1.5
Food Science 301	1.5
Food Science 302	1.5
Food Science 303	1.5
Food Science 308	1.5
Food Science 309	1.5
Food Science 404	1.5
Food Science 424	1
Food Science 499	3
Food Science Electives (Note 3)	3
Microbiology 307	1.5
Plant Science 321 or equivalent	1.5
Nutrition Elective (Note 4)	1.5
Breadth Elective (Note 5)	3
Program Electives (Note 2)	3
Unrestricted Electives (Note 6)	4.5

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF AGRICULTURAL SCIENCES (continued)

Plant Science

Change explanatory note 4 to read: Students are required to take a minimum of 4.5 units of courses offered outside the Department of Plant Science but within the Faculty of Agricultural Sciences. In order to meet this requirement, students in the Department of Plant Science are required to take Soil Science 200 in second year. The remaining 3 unit minimum should normally be selected from the following: Agricultural Economics 201 or 258. Animal Science 258, Bio-Resource Engineering 258, Food Science 258 or 259, Soil Science 214. Soil Science 214 is strongly recommended for students in all options. Agricultural Economics 258 and Animal Science 258 are both required of students in the Agronomy and Rangeland Resources options.

Soil Science

New course — Soil Science 422 (1.5) Root Symbioses

Changes — Soil Science 321 - change in prerequisite and scheduling

Change explanatory note 3 to read: This requirement may be met by a choice of courses offered within the Faculty but outside the Department. The choice should normally be made from the following list: Animal Science 258, Agricultural Economics 201 or 258; Bio-Resource Engineering 258; Food Science 258 or 259; Plant Science 259. Students in the rangeland resources option are required to complete Animal Science 258 and Plant Science 259.

FACULTY OF APPLIED SCIENCE

Applied Science

Change — APSC 450 - change description

Chemical Engineering

Changes — CHML 341, 351 - change description
CHML 442 - change hours

Deletion — CHML 441

Civil Engineering

Changes — CIVL 300 - change hours
CIVL 330, 332, 340 - change description
CIVL 431 - change number, hours (was 333)
CIVL 406, 432 - change title, description
CIVL 331 - change number, description (was 430)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Civil Engineering (continued)

Changes

CIVL 430 - change number, description, hours, prerequisite (was 431)
CIVL 439 - change number (was 435)
CIVL 435 - change number, units, title, description, hours (was 455)
CIVL 433 - change number, units, title, description, hours (was 461)
CIVL 421 - change number, units, description, hours (was 477)
CIVL 413 - change number, units, hours, prerequisite (was 479)
CIVL 434 - change number, title, units, description, hours (was 492)

Deletions

CIVL 459, 460, 462, 467, 470, 481, 485, 495

Changes in Programs

Second Year		Third Year	
CIVL 205	1.5	CIVL 300	1.5
CIVL 215	1.5	CIVL 301	1.5
CIVL 220	1.5	CIVL 310	1.5
CIVL 225	1.5	CIVL 311	1.5
CIVL 230	1.5	CIVL 315	1.5
CIVL 231	1.5	CIVL 316	1.5
CIVL 232	1.5	CIVL 320	1.5
CIVL 235	2.0	CIVL 321	1.0
MATH 253	1.5	CIVL 330	1.5
MATH 254	1.5	CIVL 331	1.5
MATH 255	1.5	CIVL 332	1.5
STAT 251	1.5	CIVL 340	1.5
!Humanities		MATH 257	1.5
Electives	3.0	Humanities	
		Elective	1.5

! Please refer to the statement headed "Humanities Electives Courses" above.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Civil Engineering (continued)

Changes in Programs

Fourth Year

CIVL 400	1.5
CIVL 402	1.0
CIVL 405	1.5
CIVL 410	1.5
CIVL 415	1.5
CIVL 430	1.5
CIVL 431	1.5
CIVL 439	1.5
*CIVL 445) CIVL 446)	1.5
APSC 450	0.5
Humanities	3.0
Plus technical electives from Civil Engineering	4.5

* Students must take either CIVL 445 or CIVl 446.

Electrical Engineering

New ELEC 313 (1.5) Microcomputer Systems Programming

Changes ELEC 254, 258 - change hours
ELEC 263 - change title, description, add prerequisite
ELEC 356, 358 - change hours, add prerequisite
ELEC 478 - change title, description, add prerequisite
ELEC 253, 352, 359, 360, 362, 363, 365, 371, 372, 455, 460, 461, 463, 464, 466, 468, 477, 492, 493, 494
- add or change prerequisite
ELEC 469, 470, 483 - change or add prerequisite and add statement to description re prerequisite to accommodate Engineering Physics students.
ELEC 493, 495 - change units, hours

Computer Engineering Option:

By taking a modified Electrical Engineering Program and by consistently choosing suitable Computer Science courses as Technical and Free Electives, it is possible to complete the requirements of the Computer Engineering Option in Electrical Engineering. Students who satisfactorily complete the following program will be given recognition as receiving the B.A.Sc. in Electrical Engineering (Computer Engineering Option).

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Electrical Engineering - Computer Engineering Option: (continued)

Second Year		Third Year	
CPSC 118	1.5	ELEC 254	1.5
CPSC 210	1.5	ELEC 356	1.5
ELEC 251	1.0	ELEC 359	1.5
ELEC 252	1.5	ELEC 362	1.0
ELEC 253	1.5	ELEC 371	1.0
ELEC 256	1.5	STAT 251	1.5
ELEC 261	1.5	and three of the following	
ELEC 358	1.5	five courses:	
MATH 253	1.5	ELEC 258	1.0
MATH 254	1.5	ELEC 352	1.5
MATH 255	1.5	ELEC 360	1.5
MATH 257	1.5	ELEC 363	1.5
Humanities		ELEC 372	1.5
Elective	3.0	Technical Electives:	
		CPSC 310	3.0
		ELEC 313	1.5
		Humanities	
		Elective	3.0

Fourth Year	
APSC 450	.5
ELEC 473	3.0
ELEC 498	1.0
ELEC 456	1.5
ELEC 464	1.5
ELEC 476)	1.5
CPSC 413)	
CPSC 410	1.5
Humanities	
Elective	1.5

Remaining electives chosen as indicated below, to bring the total year load to the same as that of the regular Fourth Year Electrical Engineering curriculum.

Fourth Year Electives - Computer Engineering Option

The following is a list of suggested elective courses. Other courses may be substituted with the approval of the Department Head.

*	ELEC 258	1.0
	ELEC 455	3.0
	ELEC 466	1.5
	ELEC 468	1.5
	ELEC 477	3.0

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Electrical Engineering - Fourth Year Electives - Computer Engineering Option (continued)

ELEC 478	1.5
CPSC 311	1.5
CPSC 312	1.5
CPSC 322	1.5
CPSC 404	1.5
CPSC 411	1.5
CPSC 415	1.5
CPSC 422	1.5

* If ELEC 258 has not been completed before fourth year, it must be taken in the fourth year.

Computer Science 220 is a required prerequisite for Computer Science 311, 312 and 322. Stuents who are unable to fit CPSC 220 into their program should consult the Computer Engineering advisor.

Admission into the Computer Engineering Option in the second year will be limited and will require at least a Second Class standing in first year Applied Science and also in Computer Science 151. Interested students should consult the Undergraduate Student Advisor in Electrical Engineering before registering in Second Year Applied Science.

Admission into the Third Year of the Computer Engineering Option requires prior completion of Computer Science 118 and 210 or equivalent with at least a Second Class standing in each and not less than an overall Second Class average in Second Year. Students who have completed the requirements of the Second Year of the Computer Engineering Option but who do not meet the academic standards for admission into the Third Year of the Option will be able to revert to the regular Electrical Engineering program.

Engineering Physics

Changes PHYS 250 - change description
PHYS 452 - change title
PHYS 473 - change number, units, hours (was 453)
PHYS 474 - change number (was 454)
PHYS 455, 458 - change hours

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Engineering Physics (continued)

Changes in Programs

Second Year		Third Year, Option A	
CPSC 118	1.5	CPSC 210	1.5
ELEC 251	1.0	ELEC 256	1.5
ELEC 252	1.5	ELEC 358	1.5
ELEC 253	1.5		
MATH 253	1.5		
MATH 254	1.5		
MATH 255	1.5		
MATH 257	1.5		
MECH 265	1.5		
MECH 280	1.5		
PHYS 250	2.0		
!Humanities Elective	3.0		

Fourth Year, Core	
APSC 459	1.5
PHYS 351	1.5
PHYS 398	1.0
PHYS 452	1.5
PHYS 455	1.5
Any one of:	
PHYS 456	1.5
PHYS 458	2.0

Choose one of the following Options:

Fourth Year, Option 1 "ELEC"	
ELEC 352	1.5
ELEC 356	1.5
ELEC 359	1.5
ELEC 360	1.5

* At least 4 units of technical electives normally relevant to Electrical Engineering, chosen in consultation with the Director of Engineering Physics.

Fourth Year, Option 2 "MECH"	
ELEC 367	1.5
ELEC 365	1.5
MECH 375	1.0
MECH 360	1.5
MECH 370	1.0

* At least 3 units of technical electives normally relevant to Mechanical Engineering, chosen in consultation with the Director of Engineering Physics.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Engineering Physics

Changes in Programs (continued)

Fourth Year, Option 3 "METL"

ELEC 367 1.5
METL 360 1.0
METL 370 1.0
METL 374 1.5
METL 376 1.5
METL 378 1.5

* At least 1.5 units of technical electives of relevance to Metallurgy, chosen in consultation with the Director of Engineering Physics.

Fourth Year, Option 4 "GEOP"

ELEC 367 1.5
GEOP 320 1.5
GEOP 321 1.5
GEOP 322 1.5

* At least 4 units of technical electives, 3 units of which should be from Computer Science or an Engineering discipline related to Geophysics, chosen in consultation with the Director of Engineering Physics.

Fourth Year Option 5 "CPSC"

CPSC 220 1.5
CPSC 310 3.0
CPSC 313 1.5

* At least 4.5 units of technical electives from Engineering disciplines relevant to Computer Science, chosen in consultation with the Director of Engineering Physics.

Fourth Year Option 6 "OCGY"

ELEC 367 1.5
MECH 380 2.0
OCGY 308 1.5
OCGY 309 1.5
OCGY 408 1.5

* At least 2 units of technical electives from an Engineering discipline, chosen in consultation with the Director of Engineering Physics.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Engineering Physics

Changes in Programs (continued)

Fifth Year, Core

APSC 450	.5
APSC 479	1.5
MATH 400	3.0
Humanities Elective	1.5
Free Elective	1.5
Plus two of:	
PHYS 473	1.5
PHYS 474	1.5
PHYS 477	1.5
!PHYS 456	1.5
!PHYS 458	2.0

!If not already taken as 4th year core elective.

Plus one of the following options:

Fifth Year, Option 1 "ELEC"

ELEC 455	3.0
ELEC 460	1.5
ELEC 464	1.5

* At least 3 units of technical electives relevant to Electrical Engineering, chosen in consultation with the Director of Engineering Physics.

Fifth Year, Option 2 "MECH"

MECH 450	1.5
MECH 451	1.5
MECH 465	1.5
MECH 466	1.5

*At least 3 units of technical elective normally of relevance to Mechanical Engineering, chosen in consultation with the Director of Engineering Physics.

Fifth Year, Option 3 "METL"

METL 470	1.0
METL 495	1.5

At least 6 units of technical electives, of which not less than 4.5 units must be chosen from the following courses. The remaining 1.5 units can be courses relevant to Metallurgical Engineering chosen in consultation with the Director of Engineering Physics:

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Engineering Physics

Changes in Programs - Fifth Year, Option 3 "METL" (continued)

MECH 450	1.5
METL 472	1.5
METL 476	1.0
METL 480	1.0
METL 482	1.5
METL 484	1.0
METL 486	1.0
METL 488	1.0
METL 492	1.0
METL 494	1.0

Fifth Year, Option 4 "GEOP"

GEOP 420	1.5
GEOP 421	1.5
At least one of:	
GEOP 422	1.5
GEOP 426	1.5

* At least 3 units of technical elective, (1.5 from an Engineering discipline and 1.5 from a related discipline), chosen in consultation with the Director of Engineering Physics.

Fifth Year, Option 5 "CPSC"

6 units of courses from Cp. Sc., chosen in consultation with the Director of Engineering Physics, such as:

CPSC 402	1.5
CPSC 403	1.5
CPSC 405	1.5
CPSC 407	1.5
CPSC 410	1.5
CPSC 413	1.5
CPSC 414	1.5
CPSC 415	1.5
CPSC 417	1.5
CPSC 430	1.5
CPSC 435	1.5

* At least 1.5 units of technical electives from a relevant Engineering discipline, chosen in consultation with the Director of Engineering Physics.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Engineering Physics

Changes in Programs (continued)

Fifth Year, Option 6 "OCGY"

OCGY 401	1.5
OCGY 449	3.0

* At least 3 units of technical elective at least 1.5 units of which must be from an Engineering discipline, chosen in consultation with the Director of Engineering Physics.

Mechanical Engineering

Changes
- MECH 398 - change units
- MECH 443 - change number, hours, add prerequisite (was 442)
- MECH 453 - change number, title, description, add prerequisite (was 455)
- MECH 454 - change number, title, description, add prerequisite (was 456)
- MECH 473 - change description, units, hours

Deletion MECH 440

Changes in Programs

Second Year		Third Year	
APSC 278	1.5	ELEC 365	1.5
ELEC 263	1.5	MATH 357	1.5
MATH 253	1.5	MECH 350	1.5
MATH 254	1.5	MECH 355	1.5
MATH 255	1.5	MECH 360	1.5
MATH 257	1.5	MECH 365	1.5
MECH 250	1.5	MECH 370	1.0
MECH 260	1.5	MECH 371	.5
MECH 265	1.5	MECH 375	1.0
MECH 270	1.0	MECH 380	2.0
MECH 280	1.5	MECH 390	1.5
MECH 290	1.5	MECH 391	1.5
Humanities Elective	3.0	MECH 398	1.0
		METL 380	1.5
		Humanities Elective	3.0

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Mechanical Engineering

Changes in Programs (continued)

Fourth Year

APSC 450	.5
ELEC 370	1.5
MECH 450	1.5
MECH 451	1.5
MECH 455	1.5
MECH 456	1.5
MECH 460	1.5
MECH 465	2.0
MECH 466	2.0
MECH 470	1.0
MECH 475	1.0
Humanities Elective	1.5
Technical Elective	5.0

Metallurgical Engineering

New METL 483 (1) Processing of Ceramics and Composites

Changes METL 264 - change units, hours
METL 398, 498 - change units, description

Change in Program

Fourth Year

APSC 450	.5
METL 450	2.0
METL 470	1.0
METL 490	.5
METL 495	1.5
METL 498	.5
METL 499	1.5
! Humanities Elective	1.5

Option A: Materials Processing

CHML 356	1.5
METL 452	1.0
METL 458	1.0
METL 462	1.0
METL 483	1.0

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Metallurgical Engineering

Change in Program (continued)

Option B - Materials Science and Engineering

METL 456	1.0
METL 480	1.0
METL 482	1.5
METL 488	1.0
METL 494	1.0

Plus 7.0 units of approved electives with at least 4 units selected from the other option and the following list of Metallurgical Engineering electives:

METL 454	1.0
METL 464	1.0
METL 466	1.0
METL 468	1.0
METL 472	1.5
METL 476	1.0
METL 478	1.0
METL 484	1.0
METL 486	1.0
METL 492	1.0

! Please refer to the statement headed "Humanities Elective Courses" above.

Mining and Mineral Process Engineering

Changes
MMPE 301 - change title, description, hours
MMPE 303, 332 - change units, description
MMPE 333 - change units
MMPE 392 - change units, description, hours
MMPE 395 - change description, add prerequisite
MMPE 403, 404 - change title, description, add prerequisite
MMPE 433 - change units, description
MMPE 462, 492 - change description

Changes in Programs

Second Year		Third Year	
APSC 278	1.5	CIVL 336	2.0
CHEM 262	1.5	GEOL 368	1.5
CIVL 215	1.5	MMPE 300	1.5
CIVL 230	1.5	MMPE 301	2.0
CIVL 235	2.0	MMPE 303	1.5
ELEC 263	1.5	MMPE 304	1.0

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Mining and Mineral Process Engineering

Changes in Programs

Second Year		Third Year (continued)	
GEOL 308	1.5	MMPE 331	2.0
GEOL 354	1.5	MMPE 332	1.5
MATH 253	1.5	MMPE 333	1.5
MATH 254	1.5	MMPE 391	1.0
MATH 255	1.5	MMPE 392	1.5
MATH 257	1.5	MMPE 393	.5
MMPE 201	1.0	MMPE 394	1.0
MMPE 231	1.0	MMPE 395	1.0
STAT 251	1.5	Humanities	3.0
Humanities Elective	1.5		

Mathematics

Change MATH *357 - change title, description, add prerequisite

Co-operative Education Program

Change in Calendar statement:

Co-operative Education at UBC integrates academic study with related and supervised work experience in co-operating employer organizations.

The Engineering Co-operative Education Program is optional and is intended to prepare interested and qualified students in all branches of engineering for their future careers. Faculty advisors visit students at their place of work and provide advice on the technical reports that are required of all students in the program.

A summer-only program is available in all branches except Electrical Engineering and requires three consecutive summer placements. Electrical Engineering Co-op students enroll in a year-round schedule which requires five work placements, including one spring term and one fall term placement. Students on the year-round schedule will require an extra year to complete their degree program.

Students who wish to be considered for the Program must meet all requirements of the Faculty of Applied Science (Engineering) and will be selected on the basis of academic performance and suitability for the work environment. The total enrolment is subject to the availability of appropriate work placements. Accepted students will register in the

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF APPLIED SCIENCE

Co-operative Education Program

Change in Calendar statement: (continued)

appropriate non-credit Co-operative Education courses: APSC 110, 210, 310 and 410, and will be required to pay a Co-op fee. Completion of each of these courses will be recorded on the student's academic transcript. To graduate in either the summer-only or the year-round Co-op Program a student must have completed the required number of work placements satisfactorily, in addition to the normal academic requirements.

Application for admission to the Co-operative Education Program in Engineering should be made to the Office of Co-operative Education, Brock Hall, The University of British Columbia 1874 East Mall, Vancouver, B.C., V6T 1W5.

SCHOOL OF ARCHITECTURE

Change Calendar statement under "GRADUATION PROJECT, PART 2 (ARCH 499)", to read: "The following conditions apply:

i. Students who have achieved at least 65% will be required to make a public presentation of their work at a date scheduled by the School, and to submit a final report by a specified deadline in order to complete the requirements for the course.

ii. If, at the final meeting, the Committee decides that the project is not substantially complete the student may, at the discretion of and only with the permission of the Committee, continue to work on the project and make a presentation to the Committee and an assigned group of faculty at a date scheduled by the School. At this time the Committee may, only with the approval of the assigned faculty, allow the student to re-register for the next consecutive term. The student must complete the project by the end of that term and achieve a mark of not less than 65%. If the student fails to do so no credit will be granted for the course.

iii. If the Committee decides not to allow a term extension, then a fail grade will be assigned.

The following fourth paragraph should be changed to read as follows: "If a fail grade is assigned or no credit is assigned the student will...".

APPENDIX 'B'

Course and curriculum proposals (continued)

FACULTY OF ARTS

Undergraduate Program

Change in Program Description
Beginning the Major, Double Major or Honours program in the Second Year.

Several departments (e.g. Asian Studies, Fine Arts, Geography, Hispanic and Italian Studies, Music, Philosophy, Slavonic Studies) permit qualified students to take 3 units of senior course work towards the Major or Honours degree in the first 30 units. A student who chooses to begin specialization in the second year must complete at least 9 units of work in courses outside the field of the Major or Honours Program in the final 30 or 36 units. Students in the Double Major Program must complete 6 units of electives outside the subjects or fields of specialization (three of these must be at the third or fourth year level).

Change in B.A. Degree Regulations

Course selection: Second Year

Language ... units to 15.

These second-year electives are normally chosen from Lists A and B, although 3 units of senior course work may be included which will form a part of the student's program (see "Beginning the Major, Double Major or Honours Program in the Second Year" below).

Note: there are ...

Change in Regulations

Courses in the Faculty of Arts numbered 300 and above are open to First-Year students only if listed on List A and to Second-Year students only if listed on Lists A or B (see Calendar, p. 68).

Anthropology and Sociology

New	ANTH 323 (1.5)	Archaeological Foundations of New World Civilizations
	ANTH 411 (1.5/3)d	Prehistory of a Special Area in the New World
	SOCI 490 (3)	Honours Seminar

Changes ANTH 332 - change units and hours
ANTH 410 - change title and description

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Anthropology and Sociology (continued)

Change in Program Description

Undergraduate Courses

Delete 412 from and add 323 to the sentences: "Anthropology 100 ... 412 are general courses open to all students." and "Anthropology 301, 321, 322, 412 cannot be taken for Major credit."

Asian Studies

New	KORN 102 (3)	Basic Korean
	KORN 200 (3)	Intermediate Korean
	ASIA 347 (3)	Performance Traditions of South Asia
Changes	HIND 400 - change prerequisite	

Economics

New	ECON 426 (1.5)	Econometric Analysis
	ECON 457	Seminar in International Economic Relations
Changes	ECON 325 - change description, prerequisite	
	ECON 425 - change number, description, prerequisite (was 429)	

Change in List of Introductory Probability and Statistics Courses:

Add Economics 325 to list under "Statistics".

School of Family and Nutritional Sciences

New	HUNU 409 (1.5)	Developmental Nutrition
	FMSC 410 (1.5)	The Family Context of Human Development
Changes	FMSC 312 - change designation (was HMEC)	
	FMSC 414 - change designation, description, prerequisite (was HMEC)	
	HUNU 201, 352 - change prerequisite	
	HUNU 303 - change description, hours	

Geography

Changes	GEOG 453 - change prerequisite
	*GEOG 205 - change hours
	GEOG 380 - change number, hours, description (was 386)
	GEOG 427 - change description

Change in Description of Faculty of Science Requirements for B.Sc.

Faculty requirements for B.Sc. (Graduation Requirement):

b) At least 36 units must be in Science courses. Geography courses designated as carrying Science credit are numbered 01-09 in the last two digits. (Geography 449 also carries Science credit, but only for B.Sc. Honours and Major students in Geography).

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Geography (continued)

Change in Description of Faculty of Science Requirements for B.Sc.

Faculty requirements for B.Sc. (Graduation Requirement): (continued)

c) At least ... applicable. Arts requirements can be met by Geography courses numbered 20 and above in the last two digits except those numbered 40-48 and 70-79 in the last two digits. Courses numbered 10-19, 40-48, and 70-79 in the last two digits may be taken as free electives.

Change in Description of Requirements for Geography B.Sc. Program

Requirements for the B.Sc. degree:

Students entering the B.Sc. degree program must consult the Science Adviser of the Department of Geography.

Change in Program

Major in Physical Geography. Substitute "Computer Science 111" for "Computer Science 101".

Honours - Climatology/Meteorology. Substitute "Computer Science 111" for "Computer Science 101".

Germanic Studies

Change GERM 423 - change description

Change to Faculty of Arts **Literature Requirement**

Add Germanic Studies 401 to the list "...; Germanic Studies 201, 303, 411; ..."

Change to **List B**

Add Germanic Studies 401 and 411 to List B, Germanic Studies courses.

Change in Program Requirements
Honours in German
Third and Fourth Years:

Sequence I: German 300[2], 310, 339[3], 350, 400[4], 439, 450 and 3 additional units of German courses 402-410.

Sequence II: German 310, 323 or 333, 339[3], 350, 439, 450, and 3 additional units of German courses 402-423.

Sequence III: German 310, 333, 339[3], 350, 439, 450, and 3 additional units of German courses 402-423.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Germanic Studies (continued)

Change in Program Requirements

Honours in German

Third and Fourth Years:
A course in European history with an emphasis on German-speaking countries. See Honours Adviser.

One university-level course in a language other than English or German.

Notes:

[1]German 123 is open only to students with no prior knowledge of German.

[2]Students who have taken 223 or 233 will not receive credit for 300. In sequence I, German 300 is taken in addition to the requirements for the Major and Honours Program.

[3]Students may submit an Honours essay (449 - 3 units) in place of 339 or any other 3 units of senior work, aside from required courses.

[4]Students who have taken 323 or 333 will not receive credit for 400.

Hispanic and Italian Studies

Changes
ITAL 201 - change hours
ITAL 304 - change number title, description (was 305)
ITAL 303 - change number, description (was 306)
ITAL 420 - change units and description

Change of Program Description

Requirements for the Degree of Bachelor of Arts.

Spanish and Portuguese
Students with a previous knowledge of Spanish should consult the Department advisers for placement.

First and Second Years: Students take the courses in one of the columns below:

	A	B*	C	D*
Spanish	100	105	110	100
	200	300	205	200, 205
	220	220	220	220

* Those with Sequence B, or with first class standing in Sequence D, proceed to Spanish 400.
Spanish 220 may be taken in the third year with the permission of the Department.
Also recommended: Spanish 211, Portuguese 102, 202, and for those wishing to specialize in Language, Linguistics 100 or 200.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Hispanic and Italian Studies

Change of Program Description - **Spanish and Portuguese** (continued)

Third and Fourth Years:
Students wishing to specialize in Spanish may choose to concentrate either on literature or on language, although individual programs may also be approved. All programs have a common core of 9 units.

3 units of Spanish 300 or 400.
6 units of Survey of Literature courses: 335, 355, 363.

The **Major** requires a minimum of 15 units of courses in Spanish:

For the program in **Spanish, Portuguese and Latin-American Literatures,** in addition to the core courses, 6 or more units are to be chosen from Spanish courses numbered above 400. At least 1.5 units must be from the field not covered by the two surveys.

For the program in **Spanish with Emphasis on Language,** students take Spanish 400, together with the two survey courses of the core program, Spanish 403 and 3 or more units in Spanish numbered above 400.

The **Honours** degree requires a minimum of 24 units of courses in Spanish:

For the program in **Spanish, Portuguese and Latin-American Literatures,** in addition to the core courses and Spanish 449 (Honours Essay), 12 or more units are to be chosen from Spanish courses numbered above 400. At least 1.5 units must be from the field not covered by the two surveys.

For the program in **Spanish with Emphasis on Language,** students must take Spanish 400, together with the two survey courses of the core program, Spanish 403, Spanish 449 (Honours Essay), and 9 or more units in Spanish numbered above 400, including Spanish 407.

A reading knowledge of Latin, French or another Romance language is strongly recommended for Honours students.

Recommended electives for the program in Literatures: Portuguese 307, History 350, 351, 450, 451, 489.

Recommended electives for the program in Language: Portuguese 307, Spanish 444 (Catalan), Italian 300, Romance Studies 420 (Romance Linguistics), Linguistics 319, (320), 420, 425, 435; English 320; Latin 100.

History

New HIST 215 93) Technology in History

Deletions HIST 375, 446

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS (continued)

School of Library, Archival and Information Studies

New ARST 605 (1.5) Archival Information Retrieval
ARST 611 (1.5) Specialized Archives

Change in Degree Requirements
Requirements for the Degree

A. Entrants without a previous librarianship qualification.

Students beinning study of librarianship for the first time must complete at least thirty units of credit courses approved by the faculty for the M.L.S. program, plus such non-credit studies (e.g. field work, colloquia) as may be required.

The program must begin in the fall term, during which the student will take all of, and only, a 'core program' of four required courses representing the knowledge that should be common to all librarians.

These courses are LIBR 500, 505, 510 and 520, credited with 7.5 units together. No other course in the program may be begun for credit toward the degree until this core has been successfully completed. In addition to the four courses of the 'core', LIBR 623 and LIBR 626 are required courses, and must be taken within the first academic year of enrolment. In addition, during that year, students are advised to take at least an additional 4.5 units, thus completing half their program. The remaining fifteen units need not be started immediately thereafter, and may be taken on a part-time basis. However, all degree requirements must be met within a period of five years after initial registration.

All elective courses will be chosen under guidance from the student's faculty adviser to ensure proper sequencing and a balanced program. Upon successful application to the faculty, up to six units may be credited on the basis of courses other than those designated as LIBR at this University. They may be taken in other departments or at other institutions, but must be at the U.B.C. 300-level or above, and must be approved by the faculty in advance, on the basis of their direct relevance to the individual's work in the library and information studies program.

B. Entrants who already possess a librarianship qualification

A student already holding an acceptable qualification in librarianship may be admitted at the beginning of any term, and must complete at least fifteen units of credit chosen under the guidance of the student's adviser. At the faculty's discretion, particularly if more than five years have elapsed since the award of the earlier qualification, or if it did not adequately encompass the subject matter of the present core program, additional units of course work may be required. The whole program must be completed within four years from the date of registration.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

School of Library, Archival and Information Studies

Requirements for the Degree

B. Entrants who already possess a Librarianship qualification (continued)

If such a student is admitted with a B.L.S. from The University of British Columbia, the program may be completed by part-time study, and non-LIBR courses may be credited as stated above. Where any other librarianship qualification is the basis for admission, the student must be engaged in full-time studies at U.B.C. for at least one term of 7.5 units, and no application will be considered for the granting of credit with respect to courses taken at other institutions.

Mathematics

Change in Program Introduction

Requirements for the degree of Bachelor of Arts:

Major
The student may develop a program of study within the framework of any one of three Major options, each of which has a particular emphasis (General, Mathematical Statistics, Optimization). Students preparing for a career in elementary or secondary school teaching are advised to select the General Mathematics option, either as a Major in Mathematics or as part of a double Major in Mathematics and another subject. Any program that differs from one of the listed options requires the written approval of the Department.

Music

New	MUSC 225 (1.5)	Masterworks of Western Music
	MUSC 310 (1)	Orchestration

Change MUSC 309 - change title, description, units

Additions to **List B:**

Add Music 225, 324 and 325.

Delete from **Laboratory Fees:**

Delete Music 309 (Orchestra) from the Arts list.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Music (continued)

Addition to Laboratory Fees:

Add: Music 309 (Instrumentation).....12.50
Music 310 (Orchestration).....12.50

New Program

Major in General Studies

Elementary Education Stream
This curriculum is a preparation for studies in education leading to certification as a teacher in the B.C. elementary schools. It is intended for those who expect to become elementary music specialists as opposed to general classroom teachers. Students interested primarily in general classroom teaching should consider the B.A. with a Major in Music. The following program, leading to a B.Mus., is for those who expect to be full-time music teachers in the elementary schools. Students who successfully complete this program will have the prerequisites for admission to the professional program in elementary education in the Faculty of Education.
The curriculum is based on that of the Major in General Studies, with the following differences:

All Years:
Large Ensemble: for instrumental concentrators, one of these, in the four years, must be a choir, and the remaining three will be orchestra or wind symphony, as appropriate.

Students should consult the Faculty of Education requirements for admission to the Teacher Education Program.

Second Year:
Students must also take Music Education 103, one unit, for a total of seventeen units.

Third Year			Fourth Year	
(300)	Music Theory V	1.5	[2]Music Elective(s)	3
(301)	Music Theory VI	1.5	Concentration Instrument	2
	[1]Music Electives	5-6	Large Ensemble	1
(382)	Concentration Instrument	2	[3]Music 131	1
	Large Ensemble	1	Instrumental Class (Music 102, 112, or 122)	1
	Instrumental Class (Music 102, 112, or 122)	1	Arts Electives	6
	Arts Elective(s)	3	Music Education Electives	2
	Music Educ. Electives	2		

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Music (continued)

Notes:

[1]The third year music electives may include Music 306 (Conducting). Any appropriate history, theory, or composition course may be elected. A maximum of 1 unit of small ensemble and 1 unit of secondary performance may be elected.

[2]The music elective(s) in fourth year must be in history, theory, or composition.

[3]Students are required to take Music 131 (Class Voice) if they have had no previous vocal instruction. Vocal concentrators will take an appropriate level of some secondary instrument. Vocal secondaries will take the appropriate level of voice secondary.

Change in Program Descriptions and Requirements:

The School of Music offers programs of study in performance and composition, leading to the B.Mus., the M.Mus., and the D.M.A., as well as programs in musical scholarship, leading to the B.Mus., the M.A., and the Ph.D. The School also offers B.Mus. programs designed for prospective school teachers, elementary and secondary. All B.Mus. programs have a performance component. For students with a strong interest in music but little background in performance, the School offers the B.A. with a Major or Honours in Music. A description of the various majors within the B.Mus. is given first, and is followed by a description of the B.A. For graduate degrees, see the listing of the Faculty of Graduate Studies.

Change in Program Statement

Major in General Studies:
This curriculum is designed to provide a general higher education in music, including performance, and to prepare students for professional work in a wide variety of fields such as criticism, broadcasting..., etc.

Philosophy

New	PHIL 374 (1.5/3)d	Topics in 19th-Centure Philosophy
	PHIL 453 (1.5/3)d	Topics in Early Modern Philosophy
	PHIL 473 (1.5/3)d	Kant
	PHIL 483 (1.5/3)d	Topics in 20th-Century Philosophy
	PHIL 490 (1.5)	Metaphysics
Changes	PHIL 353, 363 - change title, description	

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Philosophy (continued)

Change in Program Requirements

Major requirements

Third and Fourth Years:
add "453, 473, 483, 490" to list "4.5 units from Philosophy 302 ..."

To the present entry add:

Special Honours Programs in Philosophy and Another Subject

First and Second Years:
Philosophy as in Honours Philosophy. Courses in the other subject as required by the other Department.

Third and Fourth Years:
Philosophy 302 or 402 and at least 6 units of Tutorials (Philosophy 330 or 430).
Additional units to a total of at least 15, chosen from Third and Fourth year Philosophy courses in consultation with the Departmental Honours Adviser.
Courses in the other subject as required by the other Department.
At least 6 units of courses outside either subject.

Psychology

New PSYC 415 (3) Applied Social Psychology

Deletion PSYC 415

Slavonic Area Studies

Change in Program

Requirements for the Degree of Bachelor of Arts:

Major in Slavonic Area Studies
At least two years of Russian, Polish, Czech/Slovak or Ukrainian (which may be taken in the third and fourth years), or the equivalent.
Slavonic Studies 105.
15 additional units in Third- and Fourth-Year Slavonic Area Studies courses chosen from those listed below, including Seminar in Slavonic Area Studies (SS 447 or SS 448, when offered); Geography 394, one of Geography 493 or 494; at least one from: History 324, History 405, History 438; at least 3 units from Political Science 325, 362, 460 (section dealing with Soviet foreign policy), 464 (section dealing with Soviet-American relations). Students should check for prerequisites if intending to take Political Science 460 and 464.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS

Slavonic Area Studies

Change in Program

Requirements for the Degree of Bachelor of Arts:

Major in Slavonic Area Studies (continued)

Students' attention is drawn to the possibility of combining the Slavonic Area Studies Major with another Major (e.g. History or Russian or Sociology).

Programs must be approved by one of the faculty members teaching courses in the Program, or by the Major Adviser in the Department of Slavonic Studies, Dr. Peter Petro, Buchanan E165.

Courses:

Slavonic Studies 306 (3)	Russian Literature in Translation
Slavonic Studies 307 (1.5/3)d	Modern East European Literature in Translation
Slavonic Studies 308 (1.5/3)d	Tolstoy and Dostoyevsky in Translation
Slavonic Studies 310 (1.5/3)d	Studies in Russian Culture
Slavonic Studies 446 (1.5)	Women in Russia
Slavonic Studies 447 (1.5)	Seminar in Slavonic Area Studies I
Slavonic Studies 448 (1.5)	Seminar in Slavonic Area Studies II
Economics 387 (1.5)	The Soviet Economy
Geography 394 (1.5)	Geography of the Soviet Union: Thematic Analysis
Geography 493 (1.5)	Geography of Eastern Europe
Geography 494 (1.5)	Geography of the Soviet Union: Regional Analysis
History 319 (3)	History of Poland, 1505-1921
History 324 (3)	History of East Central Europe in the 19th and 20th Centuries
History 325 (3)	German-Slav Relations from the 9th Century to 1945
History 405 (3)	History of Imperial Russia, 1689-1918
History 408 (3)	History of the Hapsburg Monarchy, 1273-1918
History 435 (3)	Communist Movements in Russia and Eastern Europe since 1900
History 438 (3)	History of the Soviet Union
Political Science 325 (1.5)	Soviet and East European Politics
Political Science 362 (1.5)	Foreign Policies of the Superpowers
Political Science 460 (1.5/3)d	Foreign Policy Analysis (Section dealing with Soviet Foreign Policy)
Political Science 464 (1.5/3)d	Problems in International Relations (Section dealing with Soviet-American relations)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF ARTS (continued)

Theatre

Addition to **List B** - Add: Theatre 363 (1.5)

Change in Program Description

Requirements for the degree of Bachelor of Arts:

Theatre Major
Third and Fourth Years:
15 units in Theatre, only courses numbered 300 and above, which must include Theatre 310 and 320.

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Four-Year Bachelor of Commerce Degree Program

The program consists of a pre-Commerce year (15 units: 5 courses); three terms for core material; and three terms primarily for option specialization and breadth. The workload increases from 7.5 units (Term I) to 9.0 units (Terms IV-VI) per term as the student progresses through the program.

A one-unit course called Introduction to Business is included in the first term in order to establish a context in which the student can be introduced to some basic functional concepts and skills.

The foundation work in Financial Accounting and Microeconomics is covered in Term I and will serve as a prerequisite for the course work in Term II. Quantitative Methods begins in Term I and continues through Term II in order to provide students with the necessary quantitative and statistical tools as early as possible in the program. Quantitative Methods I and Introduction To Business will bear a major responsibility for introducing students to the computer. The non-credit course in Public Speaking would be taken in Term I when classroom hours are lower than in subsequent years.

New courses	COMM 290 (2)	Introduction to Decision Analysis
	COMM 291 (2)	Application of Statistics in Business
	COMM 292 (2)	Management and Organizational Behaviour
	COMM 293 (1.5)	Financial Accounting
	COMM 294 (1.5)	Managerial Accounting
	COMM 296 (1)	Introduction to Business and Management
	COMM 297 (1.5)	Capital Markets and Institutions
	COMM 391 (1.5)	Introduction to Management Information Systems
	COMM 392 (1.5)	Labour Relations
	COMM 393 (2)	Commercial Law
	COMM 396 (2)	Introduction to Marketing
	COMM 397 (1.5)	Business Finance

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Four-Year Bachelor of Commerce Degree Program (continued)

Changes

COMM 291 - change in number to COMM 237
COMM 396 - change in number to COMM 339
COMM 337 - change in number to COMM 334
COMM 356 - change in number to COMM 337

The following courses are to be deleted effective September 1988 (or later if the implementation of the Four Year Program is delayed):

COMM 110, 120, 151, 153, 211, 212, 220, 254, 261, 271, 237, 322, 331

Program deletion:

Combined B.Com./LL.B. Degrees - The B.Com./LL.B. combined degrees program to be discontinued for students enrolled in the new Four Year Commerce Program.

Program change:

Dean's Honour Roll Requirements - effective for students enrolled in the new Four Year Program, change to read:

The words "Dean's Honour Roll" will be placed on a Student's transcript if an overall average of 80% or better has been achieved in the program of an academic year of at least 12 units in the first year and 15 units in the second and third years. To qualify a student must pass in all courses.

"The words "with Honours" will be placed on the transcript of record, the degree certificate and the degree parchment of a student graduating with the B.Com. degree where the average is 80% or better in the normal courseload of the final two years. A maximum of three units of 200 level courses may be included in this average."

Calendar changes - editorial: The calendar to be amended each year during the implementation period to adequately describe both the old program (for current students) and the new program (for new students) and that these calendar changes be made in consultation with the Registrar's Office to minimize the costs of ongoing calendar changes.

Implementation Issues

Once the new Four Year Commerce Program starts (proposed for September 1987), there will be a three-year phase-in period. During this phase-in period the Faculty will be offering two programs: the old and the new versions as follows:

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Four-Year Bachelor of Commerce Degree Program (continued)

	Old Program	New Program
1987/88	2nd year	Pre-Commerce
	3rd year	1st year Commerce
	4th year	
1988/89	3rd year	Pre-Commerce
	4th year	1st year Commerce
		2nd year Commerce
1989/90	4th year	Pre-Commerce
		1st year Commerce
		2nd year Commerce
		3rd year Commerce

With this timetable there would be two graduating classes in the spring, 1990. In order to avoid a concentration of two full graduating classes at one time, the Faculty will offer a large selection of summer school courses to provide students in the old program to accelerate their expected time of graduation. Since one of the two graduating classes will have completed 66.5 units (Four Year Program) and the other 79.5 (Five Year Program), the following system for altering the unit requirement for the last two graduating classes in the old program will be introduced: During the phase-out period for the existing Five Year Program, no student will be permitted to graduate with less than 66.5 units and the individual student programs will be designed in consultation with the Director of the Undergraduate Programs.

FACULTY OF DENTISTRY

Re-distribution of courses among the newly-created departments of Clinical Dental Sciences and Oral, Medical and Surgical Sciences, as follows: (Titles, units and descriptions remain the same).

Clinical Dental Sciences

Change in Department Designation and Course Number

From	To
PCDY 410	CDSC 414
ORTH 420	CDSC 421
REST 423	CDSC 422
ORME 420	CDSC 423
PCDY 420	CDSC 424
REST 422	CDSC 425
ORTH 430	CDSC 431

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF DENTISTRY

Clinical Dental Sciences

Change in Department Designation and Course Number (continued)

REST 433	CDSC 432
ORME 430	CDSC 433
PCDY 430	CDSC 434
REST 432	CDSC 435
ORTH 440	CDSC 441
REST 443	CDSC 442
ORME 440	CDSC 443
PCDY 440	CDSC 444
REST 442	CDSC 445

Change in Department Designation only (to CDSC)

REST 410, 420, 430, 440
ORTH 700, 701
ORME 710, 711, 712, 714, 715, 721, 723, 724, 725, 727, 729, 731, 734, 735

Oral, Medical and Surgical Sciences

Change in Department Designation and Number

From	To
ORME 424	OMSS 422
ORME 421	OMSS 423
ORME 423	OMSS 425
ORME 422	OMSS 426
ORSU 420	OMSS 427
ORME 431	OMSS 433
ORSU 430	OMSS 434
ORME 433	OMSS 435
ORME 432	OMSS 436
REST 434	OMSS 437
ORME 441	OMSS 443
ORSU 440	OMSS 444
ORME 442	OMSS 446
ORME 716	OMSS 713
ORME 713	OMSS 716

Change in Department Designation only (to OMSS)

REST 421, 431, 441

APPENDIX 'B'

Course and curriculum proposals (continued)

FACULTY OF FORESTRY

Harvesting and Wood Science

New courses	WOOD 376 (1.5) Mechanics of Wood Products WOOD 280 (0.5) Wood Identification Laboratory WOOD 475 (1.5) Wood Properties, Identification and Uses
Changes	WOOD 335, 461, 470, 484, - change in prerequisite WOOD 371, 482 - change in prerequisite and hours WOOD 377, 487 - change in description and prerequisite WOOD 482 - change in description, prerequisite and hours WOOD 488 - change in title and description WOOD 476 - change in number (previously 373), hours and prerequisite WOOD 372 - change in title, description, hours and prerequisite WOOD 353 - change in description
Deletions	WOOD 375, 480

Forest Harvesting

Changes	FORH 359, 463, 465 - change in prerequisites

Forest Sciences

New course	FRST 204 (2) Forest Ecology and Silvics
Changes	FRST 305, 306, 309, 327 - change in prerequisites FRST 351, 486 - change in description FRST 403 - change in description and prerequisite
Deletions	FRST 202, 203, 205, 303

Forest Resources Management

New course	FRST 418 (1.5) Economics of Silviculture
Changes	FRST 436 - change in description FRST 419 - change in title and description FRST 325, 415 - change in prerequisites

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY

Forest Resources Management (continued)

Study Programs

Forest Resources Management Major (B.S.F.)

Calendar entry: The study program in Forest Resources Management is designed to education thoughtful, responsible and adaptable professionals with a comprehensive understanding of the discipline, an ability to acquire specific knowledge and skills as rwquired, and the confidence to play a decision-making role in a wide variety of resource management situations. Additionally, the program provides a foundation for advanced studies in many aspects of forest resources management. Graduates, after appropriate work experience and examination, should be eligible for registration as professional foresters.

Forest Resources Management is the most general of the four majors offered by the Faculty of Forestry and involves all aspects of format resources biology and management. The resources considered include fisheries, range, recreation, timber, water and wildlife. The core program provides students with an introduction to the biological, physical, and social sciences upon which forest resources management is based; a working knowledge of the characteristics of forest resources, their interactions, and the ways in which they can be manipulated to yield a socially optimum mix of goods and services; an ability to use quantitative and interpersonal skills necessary in the management of forest resources and an awareness of the technologically advanced tools and techniques available to resource managers; an understanding of the political and socio-economic environment in which forestry is practised, and an appreciation for the historical and ethical foundations of the profession. Through their choice of electives, students mav emphasize biological, economic, social or quantitative aspects of resource management. Throughout the program, emphasis is placed on encouraging communicative skills, both oral and written; creative thinking; critical analysis and professional pride.

For students entering the Faculty of Forestry from senior secondary school, the program consists of a minimum of 61 units of in-session and 7 units of extra-sessional course work, normally taken over a four-year period. For those students entering the Faculty of Forestry from First Year Science at The University of British Columbia (or its equivalent), the program consists of a minimum of 47 units of in-session and 7 units of extra-sessional course work, normally taken over a three-year period.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY (continued)

STUDENTS ENTERING FROM SENIOR SECONDARY SCHOOL

First Year		Second Year	
English 100	(3)	Economics 100	(3)
Mathematics 100, 101	(3)	English 301	(1.5)
Biology 101 or 102	(3)[1]	Soil Science 200	(1.5)
or Chemistry 103 or 110		Geography 214	(1.5)
or Physics 110		Forestry 204	(2)
Forestry 111	(3)	Forestry 237	(1.5)
Forestry 130	(3)	Forestry 238	(1.5)
		Humanities or Social Science Elective[2]	(1.5)
		Free Elective[2]	(1.5)
	(15)		(15.5)
		Harvesting 262[3]	(1.5)

Third Year		Fourth Year	
Forestry 305	(1.5)	Forestry 415	(1)
Forestry 306	(1.5)	Forestry 421	(1.5)
Forestry 308	(1)	Forestry 432	(1.5)
Forestry 309	(1)	Forestry 445	(0.5)
Forestry 319	(1.5)	Wood Science 475	(1.5)
Forestry 325	(1.5)	Forestry 497	(1)
Forestry 327	(1)	or Forestry 499	(3)
Harvesting 364	(1.5)	Humanities or Social Science Elective[2]	(1.5)
Forestry 290	(1.5)	Free Electives[2]	(4.5-6)[6]
Plant Science 304	(1.5)		
Free Elective[2]	(1.5)		
One course to be chosen from Forestry 385, 386, or 395	(1-1.5)		
	(16-16.5)		(14.5-15)
Forestry 348	(1)	Forestry 451[5]	(3)
Forestry 351[5]	(1.5)		

STUDENTS ENTERING FROM FIRST YEAR SCIENCE (OR ITS EQUIVALENT)

First Year		Second Year	
(See Faculty of Forestry admission requirement)		Economics 100	(3)
		English 301	(1.5)
		Soil Science 200	(1.5)
		Geography 214	(1.5)
		Forestry 111	(3)
		Forestry 130	(3)
		Forestry 204	(2)
			(15.5)
		Harvesting 263[3]	(1.5)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY (continued)

STUDENTS ENTERING FROM FIRST YEAR SCIENCE (OR ITS EQUIVALENT)

Third Year		Fourth Year	
Forestry 237	(1.5)	Forestry 290	(1.5)
Forestry 238	(1.5)	Forestry 415	(1)
Forestry 305	(1.5)	Forestry 421	(1.5)
Forestry 306	(1.5)	Forestry 432	(1.5)
Forestry 308	(1)	Forestry 445	(0.5)
Forestry 309	(1)	Wood Science 475	(1.5)
Forestry 319	(1.5)	Forestry 497	(1)
Forestry 325	(1.5)	or Forestry 499	(3)
Forestry 327	(1)	One course to be chosen	
Harvesting 364	(1.5)	from Forestry 385, 386	
Plant Science 304	(1.5)	or 395	(1-1.5)
Humanities or Social		Humanities or Social	
Science Elective[2]	(1.5)	Science Elective[2]	(1.5)
		Free Electives[2]	(3-4.5)[7]
	(16.5)		(15.5-16.5)
Forestry 348	(1)	Forestry 451[5]	(3)
Forestry 351[4]	(1.5)		

Footnotes

1. Select course not taken at Grade 12 level. Note that virtually all courses in Biology, Botany and Zoology require Biology 101 or 102 as a prerequisite.

2. Electives should be chosen in consultation with a faculty advisor.

3. To be taken during a ten working-day period immediately preceding second year.

4. Seven working days of field study in the Interior of British Columbia immediately prior to the commencement of third year.

5. Twenty-one working days of field study at the University Research Forest immediately following the spring examination period of third year.

6. Those students who elect Forestry 497 require 6 units; those who elect Forestry 499 require 4.5 units.

7. Those students who elect Forestry 497 require 4.5 units; those who elect Forestry 499 require 3 units.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY (continued)

Forest Harvesting Major

First Year

(Unchanged)

Second Year

Economics 100	(3)
Soil Science 200	(1.5)
Forestry 204	(2)
Forestry 237	(1.5)
Forestry 238	(1.5)
Wood Science 475	(1.5)
Harvesting 262	(1.5)
Harvesting 260	(1.5)
Mathematics 200 or COMM 457 or COMM 120	(1.5)
Physics 170	(1.5)
Physics 236	(1.5)
	(18.5)
Harvesting 263[1]	(1.5)

Third Year

Forestry 305	(1.5)
Forestry 306	(1.5)
Forestry 308	(1)
Forestry 309	(1)
Forestry 327	(1)
Harvesting 359	(1.5)
Harvesting 362	(1.5)
Harvesting 363	(1.5)
Forestry 385	(1)
Civil Engineering 230 or Wood Science 376	(1.5)
Social Science or Humanities elective	(1.5)
Technical electives	(3)
	(17.5)
Forestry 348	(1)
Harvesting 352[2]	(1)

Fourth Year

Wood Science 476	(1.5)
Forestry 325	(1.5)
Forestry 331	(3)
Forestry 442	(1.5)
Forestry 462	(1)
Harvesting 463	(1.5)
Harvesting 464	(1.5)
Harvesting 459	(1.5)
Forestry 497	(1)
Forestry 445	(0.5)
Forestry 448	(1.5)
Technical electives	(1.5)
	(17.5)
Forestry 451[3]	(3)

(Footnotes remain unchanged)

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY (continued)

Wood Science and Industry Major B.Sc. (Forestry)

First Year		Second Year	
English 100	(3)	Economics 100	(3)
Mathematics 100, 101	(3)	English 301	(1.5)
Biology 101 or 102 or Chemistry 103 or 110 or Physics 110	(3)[1]	Wood Science 335	(1.5)
		Wood Science 371[2] or or 377[2]	(1.5)
Forestry 111	(3)	Wood Science 280	(0.5)
Forestry 130	(3)	Wood Science 372	(1.5)
	(15)	Chemistry 103 or 120[3]	(3)
		Physics 170	(1.5)
		Physics 236	(1.5)
		Commerce 457[4] or 120	(1.5)
			(17)

Third Year		Fourth Year	
Chemistry 230	(3)	Forestry 419	(1.5)
Forestry 331	(3)	Forestry 445	(0.5)
Wood Science 371[2] or 377[2]	(3)	Wood Science 461	(1.5)
		Wood Science 473	(1.5)
Wood Science 376	(1.5)	Wood Science 476	(1.5)
Area of Concentration	(7)	Wood Science 482[2,5] or 487[2]	(1.5)
Wood Science 482[2,5] or 487[2]	(1.5)	Wood Science 488	(1.5)
		Chem. Eng. 470	(1)
	(17.5)	Forestry 497 or 498	(1 or 3)
Forestry 348	(1)	Area of Concentration[7]	(5-7)
Wood Science 353[2,6]	(1.5)		(18.5)
		Forestry 449[8]	(1.5)
		Wood Science 353[2,6]	(1.5)

Footnotes:

1 Select the one note taken at Grade 12 level

2 Course offered in alternate years

3 If CHEM 103 has been taken in the first year another course may be substituted

4 Recommended for students entering the Business Management Area of Concentration

5 Wood Science 484 may be taken as an alternative to Wood Science 482

6 Ten working days of on-site study of forest products manufacturing plants during a two-week period immediately following the Spring examination of the Second Year.

7 Number of units will be determined by whether FRST 497 or 498 is selected

8 All students proceeding to Fourth Year must submit a report based on their summer work experience in the forest industry, no later than the second Monday in October. This report must have a minimum of 5000 words exclusive of bibliography and appendices.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF FORESTRY (continued)

Program changes - Forest Science Major B.Sc. (Forestry):

First and Second Year

1. Replace FRST 202 (1.5) and FRST 203 (1.5) with Forestry 204 (2)

2. Change total units from (33) to (32)

Third Year

1. Replace WOOD 375 (1) with WOOD 377 or 475 (1.5)

2. Replace FRST 237 (1.5) with FRST 238 (1.5) Forest Mensuration.

3. Change total units from (15.5) to (16)

Footnotes

1. In Footnote 3 change "Fourteen days of..." to "Seven working days of..."

2. Delete last sentence of Footnote 4.

FACULTY OF GRADUATE STUDIES

Anthropology and Sociology

New courses	SOCI 596 (1.5/3)d Seminar in Political Sociology SOCI 597 (1.5/3)c Tutorial in Political Sociology

Biochemistry

Change	BIOC 509 - change in description
Deletion	BIOC 508

Chemical Engineering

New course	CHML 588 (1) Administration of Pulp and Paper Operations

Civil Engineering

Changes	CIVL 554, 556 - change in title and description CIVL 569 -change in title and description and addition of corequisite CIVL 520, 522, 524, 528, 547, 551, 555, 577 - change in prerequisites

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES (continued)

Commerce and Business Administration

New courses

COMM 695 (1.5) Research in Capital Markets
COMM 533 (1.5) User-Oriented Information Technology
COMM 580 (1.5) Business Statistics
COMM 588 (1.5) Public Policy Analysis and Management
COMM 592 (1.5) Management Simulation
COMM 593 (1.5) Corporate Planning Models
COMM 594 (1.5) Business, Government and Society
COMM 691 (1.5) Advanced Topics in Policy Analysis
COMM 692 (1.5) Research Seminar in Policy Analysis

Changes

COMM 544, 581 - change in description
COMM 534, 536, 591 - change in title and description
COMM 693 - change in number (was 593)
COMM 694 - change in number (was 594)

Deletion

COMM 592

Change in Program

Master of Business Administration (M.B.A.) - Second Year
delete COMM 592 (1.5) as required course

M.B.A. English Requirement
Add Calendar statement under M.B.A. Degree section:

"Students deficient in English communication skills will be required to enroll in English 301, or its equivalent, and obtain a mark of at least 65 percent before being allowed to enroll in the second year of the MBA program."

Comparative Literature

Change program description to read: The Program in Comparative Literature offers opportunities for interdisciplinary study at the graduate level, leading to the M.A. and Ph.D. degrees. Undergraduates who are interested in preparing for the degrees should acquire competence in at least two languages other than their native language. In addition, comprehensive knowledge of at least one, and preferably two, literatures should be acquired through study in a double Majors program or through the Honours program of one of the language departments. While retaining a primary focus in the study of literary texts, the Program also encourages study of interrelationships among literature, the arts and the social sciences. Students interested in Comparative Literature should consult Professor Lorraine Weir, Chairman, for further information and should obtain from the Program's main office a copy of the Handbook for Graduate Students in Comparative Literature which provides details of the Program's entrance requirements and degrees.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES

Comparative Literature (continued)

Comparative Literature - Ph.D. and M.A. Degrees

Change program description to read: The Program in Comparative Literature offers opportunities for advanced interdisciplinary study leading to the Ph.D. and M.A. degrees. Fields of study include literary theory, Asian and Western literatures, and the major literatures of Europe and of the Americas. Undergraduates who are interested in preparing for the degrees should acquire competence in at least two languages other than their native language. In addition, comprehensive knowledge of at least one, and preferably two, literatures should be acquired through study in a double Majors program or through the Honours program of one of the language departments. Fifteen units of coursework are required for the non-thesis M.A., twelve for the M.A. with thesis, and nine for the Ph.D. M.A. students and Ph.D. students who have not already done so, will write the Qualifying Examination, a test of the linguistic, analytic and interpretive competence which is fundamental to the discipline of Comparative Literature. Normally, in the second year, Ph.D. students will write their Candidacy Examinations and then proceed to the thesis. Details of seminars to be offered each year are given in the Program's brochure, Comparative Literature Courses. For detailed requirements concerning the M.A. degree, with or without thesis, and for the Ph.D., consult the Handbook for Graduate Students in Comparative Literature.

Education

New courses	EADM 510 (1.5)	The Politics of Institutional Governance in Education
	EADM 511 (1.5)	Leadership in Educational Organizations
	HIED 560 (1.5)	Institutional Analysis and Planning in Post-Secondary Institutions
Changes	EADM 552 (3) -	change in number title and units, now 500 (1.5) and 520 (1.5)
	EADM 551 (3) -	change in number title and units, now 501 (1.5), 502 (1.5), 522 (1.5)
	EADM 557 & 588	- change in number title and units, now 505 (1.5)
	EADM 576 -	change in number title and units, now 507 (1.5) and 517 (1.5)
	EADM 554 -	change in units, now (1.5) and delete prerequisite
	EADM 567 -	delete prerequisite
Deletions	EADM 551, 552, 557, 558, 576	

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES (continued)

Electrical Engineering

Change ELEC 579 - change in description and prerequisite

Family and Nutritional Sciences

New course FMST 504 (1.5-4.5)d Current Topics in Family Studies

Forestry

New course FRST 501 (1.5) Forest Tree Improvement

Geological Sciences

Change Geology 553 - change in description and units from (1) to (1.5)

Health Care and Epidemiology

New HCEP 545 (2) Seminar in Health Care Management

Linguistics

New courses Linguistics 512 (1.5) Current Models of Phonology
Linguistics 522 (1.5) Current Models of Syntax

Mathematics

Change MATH 523 - change in title and units from (3) to (1.5)

Mechanical Engineering

Change MECH 558 - change in units

Medicine

Graduate Program in Experimental Medicine

Calendar statement:

The program is intended for individuals seeking a career in research through training in experimental medicine. It furnishes the opportunity for students to work towards an M.Sc. or Ph.D. degree in experimental medicine in the Divisions of Cardiology, Gastroenterology, Nephrology, Neurology, and Respirology, all of which may involve patients and/or

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES

Graduate Program in Experimental Medicine

Calendar statement: (continued)

experimental animal models. It is anticipated that normally applicants will possess the M.D., D.M.D. or D.V.M. degrees. Non-medical university graduates, however, may apply for admission. The admission requirements of the Faculty of Graduate Studies must be satisfied. The student's research program must be acceptable to his or her research supervisor as well as to the Department's Committee on Postgraduate Degree in Experimental Medicine.

New courses	MEDI 501 (1.5)	Pathophysiology of Experimental Medicine
	MEDI 502 (1.5)	Experimental Medicine Methodology
	MEDI 510 (1.5)	Nephrology
	MEDI 530 (1.5)	Gastroenterology
	MEDI 535 (1.5)	Research Seminar
	MEDI 540 (1.5)	Advances in Neurology
	MEDI 560 (1.5)	Pulmonary Pathophysiology
	MEDI 570 (1.5)	Cardiology
	MEDI 548 (1-3)d	Directed Studies in Experimental Medicine
	MEDI 549 (6)	M.Sc. Thesis
	MEDI 649	Ph.D. Thesis

Admission requirements and prerequisites

The program will be open to students with an M.D. D.V.M. or D.M.D. degree, as well as students with the equivalent of a major or honours Bachelor's degree, provided their background in Biology, Physiology, and Biochemistry is satisfactory. Students also will be considered with a degree in engineering or a health-related field such as nursing or physiotherapy, provided they have sufficient biological training. The latter individuals must have the following prerequisite: Physiology 301 or Zoology 303 or equivalent, and Biochemistry 300 or equivalent.

Course requirements

All students must take three core courses in Medicine, namely Medicine 501 (Experimental Medicine - Pathophysiology); Medicine 502 (Experimental Medicine - Pathophysiology Lab. Course); and Medicine 535 (Research Seminar). In addition, each division will have one specific core course requirement, together with courses from a specified list of ancillary courses. It is understood that a consideration of ethics of research on human subjects will be included in one of the three core courses. All three core courses will be taught at the Health Science Centre Hospital.

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF GRADUATE STUDIES (continued)

Mining and Mineral Process Engineering

New course — MMPE 592 (1/2)c Stability and Rheology of Mineral Suspensions

Changes — MMPE 572 - Addition of prerequisite, and change in description and units from (1.5) to (1/2)d

Add the following sentence to the description of the graduate program: Surface properties of coal and minerals; fines processing; selective flocculation and selective coagulation, oil agglomeration, pelletizing and briquetting.

Music

New course — Music 557 (1) Vocal Collegium Musicum Ensemble

Change — Music 556 - change in title

Obstetrics and Gynaecology

OBST 503 - change in description

Pathology

New course — PATH 501 (3) Systemic Pathology

Change — PATH 525 - change in description

Philosophy

Change in program requirements: Philosophy - Ph.D. and M.A. degrees Prerequisites: Philosophy 301, 302; 3 units from 333, 343, 353, 363, 453, 473, 483; 3 units from 420, 450 or 451 but not both, 460, 470, 490; or their equivalents,

Physiology

New — PHYL 533 (1.5) Physiology of Thermoregulation

Psychology

Change — Psychology 545 - change in units

Soil Science

Change — SOIL 512 - change in description and prerequisite

FACULTY OF LAW

New course — LAW 487 (1.5) Legal Reasoning and Artificial Intelligence

APPENDIX 'B'

Course and curriculum proposals (continued)

FACULTY OF MEDICINE

Biochemistry

Change in Calendar Entry

Option B: Genetic and Molecular Biological Aspects

Major

Third Year

BIOC 301	1.5
BIOC 303	3
CHEM 313 and 305	6
BIOL 334	1.5
MICB 325	1.5
Science Elective	1.5
	15

Obstetrics and Gynaecology

Changes — OBST 450, 475, 702, 704, 709, 712 - change in description

Paediatrics

New course — PAED 452 (1.5) Health Problems in the Adolescent

Pathology

New course — PATH 300 (2) Background to Medical Laboratory Science
PATH 415 (1) Immunopathology
PATH 437 (1.5) Viral Infections in Humans

Deletions — PATH 201, 202, 203, 204, 205, 206, 210

Changes — PATH 306 - change in description and number (was 403)
PATH 408 - change in number (was 302)

Change in program: **Bachelor of Medical Laboratory Science** - course requirements:

Third Year

Instrumental Analysis	Chem 311
Bacteriology, Mycology, Virology, Parasitology	PATH 427
Background to Medical Laboratory Science	PATH 300
Introduction to Medical Laboratory Science	PATH 301
Nuclear Medicine for MLSc.	PATH 306
Principles of Tissue Culture etc.	PATH 303
Normal Human Histology	PATH 304
Modern Microscopy	PATH 305
Introduction to Human Pathology	PATH 375
An Arts elective	

APPENDIX 'B'

Course and curriculum proposals

FACULTY OF MEDICINE

Pathology

Change in program: **Bachelor of Medical Laboratory Science** - course requirements: (continued)

Fourth Year

Statistics in the Health Sciences	HCEP 400
Clinical Chemistry	PATH 406
Analytical, Clinical and Forensic Toxicology	PATH 407
Haematology	PATH 402
Laboratory Administration	PATH 408
Histochemistry	PATH 404
Immunopathology	PATH 415
Seminars in Current Topics	PATH 405
An Arts elective	

SCHOOL OF NURSING

Program Revision

First Year

Nursing 105	Professional Nursing in Contemporary Society I	1
Nursing 130	Introduction to Nursing Care I	1.5
Nursing 131	Introduction to Nursing Care II	2
Zoology 153	Human Biology	3
Psychology 100	Introductory Psychology	3
English 100	Literature and Composition	3
Microbiology 153	Applied Microbiology	1.5

Note: Students are required to complete the St. John Ambulance Basic Cardiac Life Support course before entering second year and to be re-certified yearly.

Second Year

Nursing 202	Core Concepts in Nursing	2
Nursing 230	Nursing Care of Adults	3
Nursing 231	Nursing Care of Older Adults	3
Pharmacy 240	Pharmacology of Nurses	1.5
Pathology 390		2
Elective(s):	social or behavioural science	3
Human Nutrition 209		1.5

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF NURSING

Program Revision (continued)

Third Year

Nursing 302*	The Process of Nursing I	3
Nursing 335*	The Process of Nursing II	3
Nursing 333**	Nursing Care of Children	3
Nursing 334**	Nursing Care of Individuals in the Childbearing Cycle	3
Nursing 303	Family and Community Nursing	2
Nursing 304	Introduction to Nursing Research	1.5
Nursing 305	Professional Nursing in Contemporary Society II	1
Statistics 203	Statistical Methods I	1.5
Elective(s):	300/400 level	3

* Registered Nurse students only
** Generic students only

Note: Registered nurse students are required to complete the St. John Ambulance Basic Cardiac Life Support course before entering third year and to be re-certified yearly.

Fourth Year

Nursing 405	Issues in Professional Nursing	1
Nursing 406	Management in Nursing Practice	1.5
Nursing 426	Nursing and the Health of Communities	1.5
Nursing 432**	Nursing Care of Adults and Families with Mental Health Concerns I	3
Nursing 440-444	(generic students select one; R.N. students select two)	3-6
Nursing 445	Extended Practicum in Professional Nursing	0
Electives:	300/400 level	6

(Nursing 408 or 409 may be selected for 3 units of elective credit)

** Generic students only

Electives may be selected from any of the courses offered in the University subject to prerequisites and approval of the School of Nursing.

In selecting electives students are advised to consider:

(a) purposes to be served by the electives in the student's total program, i.e. selecting courses in one content area for depth of knowledge vs. selecting courses in several content areas for breadth of knowledge.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF NURSING

Program Revision

In selecting electives students are advised to consider: (continued)

(b) necessary prerequisites for desired upper level courses.
(c) career goals, e.g. graduate study, nature of employment.
(d) acceptability of certain electives because of duplication of content included in nursing courses.

Students who wish counselling should seek it well in advance of registration week by arranging an appointment with the year coordinator or designated academic adviser.

New courses

NURS 105	(1)	Professional Nursing in Contemporary Society I
NURS 130	(1.5)	Introduction to Nursing Care I
NURS 131	(2)	Introduction to Nursing Care II
NURS 202	(2	Core Concepts in Nursing
NURS 230	(3)	Nursing Care of Adults
NURS 231	(3)	Nursing Care of Older Adults
NURS 333	(3)	Nursing Care of Children
NURS 334	(3)	Nursing Care of Individuals in the Childbearing Cycle
NURS 335	(3)	The Process of Nursing II
NURS 432	(3)	Nursing of Adults and Families with Mental Health Concerns I
NURS 440	(3)	Nursing Care of Adults and Families Experiencing Acute and Long-term Disabilities
NURS 441	(3)	Nursing Care of Older Adults and their Families
NURS 442	(3)	Nursing Care of Adults and Families with Mental Health Concerns II
NURS 443	(3)	Nursing Care of Children and their Families
NURS 444	(3)	Nursing Care of Childbearing Families
NURS 445	(0)	Extended Practicum in Professional Nursing

Changes

NURS 302 - change in title, units, description and hours
NURS 303 - change in title, units, description, hours and prerequisites
NURS 304 - change in description and prerequisites
NURS 305 - change in title, units, description and hours
NURS 405 - change in title, units, description, hours and prerequisites
NURS 406 - change in title, description, hours and prerequisites
NURS 408 - change in units, hours and prerequisites
NURS 409 - change in description, units, hours and prerequisites
NURS 426 - change in title, units, hours, description and prerequisites

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF NURSING

Program Revision (continued)

Deletions NURS 101, 201, 301, 403

Lecture/Clinical Hours - The ratio of lecture hours to clinical hours for 3 unit courses in the third and fourth years is 2-0-12 as consistent with application of UBC policy.

All students are required to show proof of annual completion of St. John Ambulance basic life support course "Basic Rescuer", or the equivalent thereof, at the beginning of each academic year.

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions

Bachelor of Physical Education Degree

B.P.E. Course of Studies

Degree Requirements:

ENG 100; AND 3 units of English courses at the 200-level or higher (see Note 1)	6 units
Physical Education Core	16.5 units
Program Courses (see: Degree Program)	40.5 units
PHED Electives (see Course of Studies: 3rd and 4th Years)	3 units
	66 units
Performance Requirement	

1. Physical Education Core (16.5 units)

The following courses are required:

PHED 103 (1.5) Conditioning for Sport and Physical Activity
PHED 110 (1.5) Analysis of Individual Sport and Dance Performance
PHED 161 (1.5) Introduction to Social Aspects of Leisure and Sport
PHED 163 (1.5) Biodynamics of Physical Activity
PHED 164 (1.5) Dynamics of Motor Skill Acquisition
PHED 200 (1.5) Analysing Performance in Team Sports
PHED 261 (1.5) Leisure and Sport in Canadian Society
PHED 284 (1.5) Physical Growth and Motor Development

1 of:
(PHED 310 (1.5) Performance Analysis of Selected Individual Sports and Activities
(PHED 320 (1.5) Performance Analysis of Selected Team Sports and Activities
PHED 391 (3) Human Functional Anatomy and Applied Physiology

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions

1. Physical Education Core (16.5 units) (continued)

These core courses are normally to be taken in first and Second Years (exception: 1.5 units from either PHED 310 or 320 shall be taken in Third or Fourth Year).

2. Degree Program (40.5 units)

Each student is required to elect an approved program of study in one of the following areas: Exercise Science, Motor Performance and Control, Leisure Studies, Health and Fitness, Instruction and Coaching, Leisure and Sport Administration and General Studies in Physical Education. Complete details for each program are available from the Undergraduate Advisor or the office of the Director of the School. Program approval is required prior to registration each year.

3. Performance Requirement

For the Bachelor of Physical Education Degree, students must demonstrate peformance knowledge and ability in a minimum of three competency tests in activities approved by the School of Physical Education and Recreation. A written and practical test must be passed (65%) in each of the following performance areas: aquatics, individual sports/activities, and team sports/activities. Normally, students should complete this requirement before the end of Second Year. Arrangements to take tests should be made with the performance competency coordinator two weeks prior to the testing periods scheduled in September, December, and April of each academic year.

Course of Studies

First Year - recommended

ENGL 100	3 units
Arts/Sc/Comm	6 units
PHED 103	1.5 units
PHED 110	1.5 units
PHED 161	1.5 units
PHED 163	1.5 units
PHED 164	1.5 units
	16.5 units

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

Second Year - recommended

ENGL at 200-level or higher (see Note 1)	3 units
Arts/Sc/Comm	6 units
PHED 200	1.5 units
PHED 261	1.5 units
PHED 284	1.5 units
PHED 391	3 units
	16.5 units

Third and Fourth Years (33 units)

1. 1.5 units of Performance Analysis (PHED 310 or PHED 320), to complete the Degree Core requirements.

2. A program of study, selected by the student from the list of approved programs (see above). (Note: Prerequisites shall normally have been taken in First and Second Years).

3. Three (3) units of PHED elective courses, in addition to the student's approved program.

NOTES:

1. Recommended: ENGL 301/302 or ENGL 303.

2. A total of 24 to 33 units of Arts, Science and/or Commerce courses is required, including 6 units of English. A minimum of 6 units of 300- or 400-level courses must be taken within one general area of Arts, Science, or Commerce; program approval is required prior to registration each year.

3. Teacher Certification Program: the requirements for the Faculty of Education Teacher Certification Programs in Physical Education are given in the Faculty of Education section of the Calendar.

4. Students intending to enter Graduate Studies (M.P.E.) should take PHED 371 or approved equivalent.

Revisions to General Regulations

1. (1) Add after "Bachelor of Recreation Education":
(THe Bachelor of Recreation Education degree program is being discontinued. Students who enrolled in this degree program prior to the 1985-86 academic year will be permitted to complete their degree requirements. Students interested in the study of leisure and in preparation for leisure services careers should refer to the programs listed below under the B.P.E. degree).

(2) Delete last sentence.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

2. General Requirements for the Degrees of B.P.E. and B.R.E.

Amend second sentence to read: Supplemental examinations will not be granted in Physical Education courses where the final examination contributes less than 40% of the course grade.

3. Unsatisfactory Standing

Replace existing section with "See Promotion Regulations under the category of General Academic Regulations."

New courses

PHED 103 (1.5)	Conditioning for Sport and Physical Activity
PHED 110 (1.5)	Analysis of Individual Sport and Dance Performance
PHED 200 (1.5)	Analysing Peformance in Team Sports
PHED 303 (1.5)	High Performance Conditioning in Physical Activity and Sport
PHED 310 (1.5-6)d	Performance Analysis of Selected Individual Sports and Activities
PHED 320 (1.5-6)d	Performance Analysis of Selected Team Sports and Activities
PHED 420 (1.5-6)d	Coaching Effectiveness in Selected Sports and Activities
PHED 367 (1.5)	Leisure and Disabled Persons

Changes

PHED 384 - change in number (now 284), description and prerequisites

PHED 462 - change in number (now 352), description, prerequisite, and title

PHED 455 - change in number (now 355), title, description and units

PHED 460 - change in number (now 392), title, description and prerequisites

RECR 201 - change in designation and number to PHED 275, title, description and prerequisites

RECR 301 - change in designation and number to PHED 375, title, description and prerequisites

RECR 492 - change in designation, title, description and prerequisites

PHED 448 - change in title, units, description and hours

PHED 369, 380, 456 - change in prerequisites

PHED 381 - change in description and prerequisite

PHED 161, 261, 340, 362, 467, 469 - change in title and description

PHED 360, 364, 400, 464 - change in title, description and prerequisite

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

Deletions PHED 201, 202, 203, 204, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 240, 241, 242, 243, 244, 245, 250, 251, 252, 260, 262, 290 (to be deleted immediately)
PHED 301, 302, 330, 331, 332, 333, 341, 342, 402, 410, 411, 412, 413, 414, 416, 419, 423, 426, 428, 430, 441, 450 (to be deleted September 1989)

Programs:

Exercise Science

Program courses: Required (27) - PHED 363, 370, 371, 463, 468, 499; 9 units from 3 First-year courses in Math, Biology, Chemistry and/or Physics; 9 units of 300 and 400-level courses in Arts and/or Science.

Elective (13.5) - 6-9 units in Arts and/or Science courses; - 4.5 - 7.5 units of PHED courses

YEAR 1

English 100	3.0
3 of First-year: Math, Biol. Chem. Physics	9.0
PHED 110	1.5
PHED 161	1.5
PHED 163	1.5
	16.5

YEAR 2

English	3.0
Arts/Science	6.0
PHED 103	1.5
PHED 164	1.5
PHED 284	1.5
PHED 391	3.0
	16.5

YEAR 3

Arts/Science	6.0
PHED 200	1.5
PHED 261	1.5
PHED 310/320 (Core)	1.5
PHED 370	1.5
PHED 371	1.5
PHED 363	1.5
Prog. Elec. (PHED)	1.5
	16.5

YEAR 4

Arts/Science	3.0-6.0
PHED 463	1.5
PHED 468	1.5
PHED 499	1.5
Prog. Elec. (PHED)	3.0-6.0
PHED Electives	3.0
	16.5

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

MOTOR PERFORMANCE AND CONTROL

Program courses: Required (27) - Biology 101 or 102; Psych 100, 200; 9 units of 300 and 400-level Psych courses; PHED 368, 364, 370, 371, 468, 499

Elective (13.5) - 9 units of PHED courses and 4.5 units of Arts or Science courses selected to supplement chosen area of interest.

YEAR 1

English 100	3.0
Psych 100	3.0
Biol 101 or 102	3.0
PHED 103	1.5
PHED 110	1.5
PHED 161	1.5
PHED 163	1.5
PHED 164	1.5
	16.5

YEAR 2

English	3.0
Psych 200	3.0
Arts/Science Elec.	3.0
PHED 200	1.5
PHED 261	1.5
PHED 391	3.0
PHED 284	1.5
	16.5

YEAR 3

300 and/or 400-level Psych courses	6.0
PHED 370	1.5
PHED 371	1.5
PHED 364	1.5
PHED 368	1.5
PHED 310/320 (Core)	1.5
Prog. Elec. (PHED)	1.5
PHED Elective	1.5
	16.5

YEAR 4

300 and/or 400-level Psych courses	3.0
Arts/Science Elec.	1.5
PHED 468	1.5
PHED 499	1.5
Prog. Elec. (PHED) (See Note 1)	7.5
PHED Elective	1.5
	16.5

Note: 1. PHED 489 (Seminar) is strongly recommended.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

LEISURE STUDIES

Program courses: Required (21) - Hist 135, Soci 200; plus 1 of: Phil 115, Econ 100, or Anth 200; PHED 499; 1.5 units of research methods from specified list; 9 units of PHED courses from: PHED 275, 340, 360, 367, 375, 380, 381, 382, 383.

Elective (19.5) - 12 units of Arts or Science courses; 7.5 units of PHED courses.

YEAR 1		YEAR 2	
English 100	3.0	English	3.0
Hist 135	3.0	1 of: Phil 115,	
Soci 200	3.0	Econ 100, Anth 200	3.0
PHED 103	1.5	Arts/Science	3.0
PHED 110	1.5	PHED 200	1.5
PHED 161	1.5	PHED 261	1.5
PHED 163	1.5	PHED 284	1.5
PHED 164	1.5	PHED 391	3.0
	16.5		16.5

YEAR 3		YEAR 4	
Arts/Science	6.0	Arts/Science	3.0
PHED 310/320 (Core)	1.5	PHED 371 (see Note 1)	1.5
PHED courses - 6 from Program required list	9.0	PHED 499	1.5
		Prog. Elec. (PHED) (see Note 2)	7.5
		PHED Electives	3.0
	16.5		16.5

Notes: 1. Research Methods - Students shall select 1.5 units of research methods from PHED 371, Soci 380, or an equivalent course. For purposes of illustration, PHED 371 is chosen in the year course listings.

2. PHED 489 (Seminar) is strongly recommended.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

HEALTH AND FITNESS

Program courses:

Required (15) - 1. PHED 303, 352, 355, 361, 363, 461, 370, 463, 464, 469

2. 12-15 units of Arts, Science and/or Commerce to include one of the following specializations:

(12-15)
- (i) Biology 101 or 102, Psyc 100, 200, 6 units of 300 and/or 400-level Psychology courses;
- (ii) Biology 101 or 102, Psyc 100, Soci 200 6 units of 300 and/or 400-level Sociology courses;
- (iii) Economics 100, Commerce 120, 220, 261, 457, 458 (see Note 1), 1.5 units of Arts, Science or Commerce electives.
- (iv) 6 units of 300 and 400 level Science courses which carry credit in the Faculty of Science.

Electives (10.5-13.5) — 4.5 units of PHED courses; 6-9 units of Arts, Science, and/or Commerce courses. (see Note 2).

YEAR 1

English 100	3.0
Arts/Science	6.0
PHED 103	1.5
PHED 110	1.5
PHED 161	1.5
PHED 163	1.5
PHED 164	1.5
	16.5

YEAR 2

English	3.0
Arts/Science/Commerce	6.0
PHED 200	1.5
PHED 261	1.5
PHED 284	1.5
PHED 391	3.0
	16.5

YEAR 3

Arts/Science/Commerce	6.0
PHED 310/320 (Core)	1.5
PHED 303	1.5
PHED 352	1.5
PHED 361	1.5
PHED 363	1.5
PHED 370	1.5
PHED Elective	1.5
	16.5

YEAR 4

Arts/Science/Commerce	3.0
PHED 355	1.5
PHED 461	1.5
PHED 463	1.5
PHED 464	1.5
PHED 469	1.5
Prog. Elec. (PHED)	4.5
PHED Elective	1.5
	16.5

Notes:
1. Students selecting the Commerce specialization should consult the Commerce faculty for recommended background courses.
2. HUNU 205 and 209 (Nutrition courses) are strongly recommended.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

INSTRUCTION AND COACHING

Program courses:

(9)	Required: PHED 355, 368, 369; 2 of: 310, 320.
(10.5-13.5)	Instruction Specialization: PHED 361, 362, 364, 370, 400; 1 of 363, 463; 1 of 310, 320, 420; 0-6 units of PHED courses (may substitute up to 6 units of non PHED courses to meet the B.Ed. second concentration requirement).
OR	
(13.5)	Coaching Specialization: PHED 361, 363, 364, 365, 370, 420, 463; 3-6 units of PHED courses (may substitute up to 3 units of non PHED courses to meet the B.Ed. second concentration requirement).
(18-21)	Elective: 18-21 units of Arts, Science, or Commerce courses.

Notes:
1. A total of 7 performance competencies are required for the Instructional Specialization. At least one must be selected from each of Team Games, Dance, Gymnastics, and Aquatics.
2. A second concentration in a teaching area acceptable to the Faculty of Education is strongly recommended.

YEAR 1

English 100	3.0
Arts/Science	6.0
PHED 103	1.5
PHED 110	1.5
PHED 161	1.5
PHED 163	1.5
PHED 164	1.5
	16.5

YEAR 2

English	3.0
Arts/Science/Commerce	6.0
PHED 200	1.5
PHED 261	1.5
PHED 284	1.5
PHED 391	3.0
	16.5

YEAR 3

Arts/Science/Commerce	3.0
PHED 310/320 (Core)	1.5
PHED 355	1.5
PHED 368	1.5
PHED 369	1.5
PHED 370	1.5
PHED 392	1.5
1 of: 310, 320	1.5
Prog. Req. (PHED)	3.0
	16.5

YEAR 4

Arts/Science/Commerce	3.0-6-0
PHED 361	1.5
PHED 364	1.5
1 of: PHED 310, 320	1.5
Prog. Req. (PHED)	3.0
Prog. Elec. (PHED)	0.0-3.0
PHED Electives	3.0
	16.5

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

LEISURE & SPORT ADMINISTRATION

Program courses:

(22.5) Required: Econ 100; Commerce 120, 261, 457, 458; PHED 355 (3.0) units, 360, 364, 375, 392, 400, 492, and (1.5) units of Arts, Science, or Commerce electives.

(18) Elective: 7.5 units of Arts, Science and/or Commerce courses; plus 10.5 units selected from one of the following specializations:

A. Society and organizations with reference to leisure and sport PHED 367, 275, 380, 381, 382, 383, 489, 499; 1.5 units from Research Methods; 1.5 units from Specialization B.

B. Individuals and groups with reference to sport and physical activity: PHED 234, 361, 362, 365, 368, 489, 499; 1 of 310, 320, 420; 1.5 units from Research Methods; 1.5 units from Specialization A.

YEAR 1		YEAR 2		
English 100	3.0	English	3.0	
Econ 100	3.0	Commerce 120	1.5	
Arts/Science	3.0	Commerce 261	1.5	(2)
PHED 103	1.5	Arts/Science	3.0	
PHED 110	1.5	PHED 200	1.5	
PHED 161	1.5	PHED 261	1.5	
PHED 163	1.5	PHED 284	1.5	
PHED 164	1.5	PHED 391	3.0	
	16.5		16.5	(17)

YEAR 3		YEAR 4	
Arts/Science or Comm	1.5	Arts/Science/Comm	1.5
COMM 457	1.5	PHED 355	1.5
COMM 458	1.5	PHED 400	1.5
PHED 310/320 (Core)	1.5	PHED 492	1.5
PHED 355	1.5	Prog. Elec. (PHED) (see Note 1)	7.5
PHED 360	1.5	PHED Electives	3.0
PHED 364	1.5		
PHED 375	1.5		
PHED 392	1.5		
Prog. Elec. (PHED)	3.0		
	16.5		16.5

Note: 1. PHED 489 (Seminar is strongly recommended.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

Curriculum revisions (continued)

GENERAL STUDIES IN PHYSICAL EDUCATION

Program courses:

(13.5) Required: PHED 370; PHED 364, 368; 3 units from PHED 363, 463, 468; 3 units from PHED 360, 380, 381, 382; 3 units from PHED 310, 320.

(27) Electives: 18-24 units of Arts, Science and/or Commerce courses; 3-9 units of PHED courses.

YEAR 1		YEAR 2	
English 100	3.0	English	3.0
Arts/Science/Comm	6.0	Arts/Science/Comm	6.0
PHED 103	1.5	PHED 200	1.5
PHED 110	1.5	PHED 261	1.5
PHED 161	1.5	PHED 284	1.5
PHED 163	1.5	PHED 391	3.0
PHED 164	1.5		
	16.5		16.5

YEAR 3		YEAR 4	
Arts/Science/Comm	3.0-6.0	Arts/Science/Comm	0-6.0
PHED 310/320 (Core)	1.5	PHED 370	1.5
Prog. Req. (PHED)	6.0	Prog. Req. (PHED)	6.0
Prog. Elec. (PHED)	1.5-4.5	Prog. Elec. (PHED)	1.5-7.5
PHED Elective	1.5	PHED Elective	1.5
	16.5		16.5

Note: 1. PHED 499 (Project) is recommended.

SCHOOL OF REHABILITATION MEDICINE

Changes Clinical Experience - change para 3 to read:

RHME 330/335 (18 weeks/12 weeks) - A student failing to complete these courses satisfactorily may be granted permission to advance to fourth year only on the recommendation of the Promotions Committee.

APPENDIX 'B'

Course and curriculum proposals

SCHOOL OF REHABILITATION MEDICINE (continued)

Change non-academic requirements to read:

"By April 30 of second year, all students are required to show evidence of:

. . .

2. a valid Basic Cardiac Life Support (BCLS) Basic Level C Certificate co-ordinated through the Justice Institute of B.C., Emergency Health Services. In addition students will be required to show proof of current certification in BCLS Basic Level C Certificate on an annual basis prior to commencing clinical fieldwork.