Wednesday, April 29, 1970

The eighth regular meeting of The University of British Columbia for the session 1969-70 was held on Wednesday, April 29, 1970 at 8:00 p.m. in the Board and Senate Room, Administration Building.

Present: President W. H. Gage (Chairman), Dr. A. E. Aho, Miss D. Allen, Dr. C. S. Belshaw, Mr. S. Black, Mr. C. B. Bourne, Mrs. A. Brearley, Mr. D. M. Brousson, Dr. D. G. Brown, Dr. T. H. Brown, Mr. C. M. Campbell Jr., Dr. J. D. Chapman, Dr. D. H. Chitty, Dr. R. M. Clark, Dean G. F. Curtis, Dr. R. Daniells, Mr. A. Dobrey, Dr. C. W. J. Eliot, Dean W. D. Finn, Dr. S. M. Friedman, The Hon. E. D. Fulton, Dean J. A. F. Gardner, Dr. W. C. Gibson, Dr. R. F. Gray, Mr. J. Guthrie, Dr. N. A. Hall, Dr. D. F. Hardwick, Dr. S. Israels, Mr. R. W. Jacobs, Dr. R. F. Kelly, Dr. J. M. Kennedy, Dr. D. T. Kenny, Mrs. W. T. Lane, Mrs. J. MacD. Lecky, Dean S. W. Leung, Dean Helen McCrae, Dean J. F. McCreary, Dr. M. F. McGregor, Mr. K. R. Martin, Mr. J. R. Meredith, Mr. D. F. Miller, Dr. B. N. Moyls, Dr. J. M. Norris, Mr. E. O'Brien, Mr. R. F. Osborne, Mr. S. Persky, Mr. P. Plant, Dr. R. A. Restrepo, Dean B. E. Riedel, Mr. J. V. Rogers, Dr. G. Rosenbluth, Dr. I. Ross, Dr. R. F. Scagel, Dean N. V. Scarfe, Dr. A. D. Scott, Dr. R. F. Sharp, Dr. J. H. G. Smith, Dr. J. D. Spouge, Mr. B. Stuart-Stubbs, Dr. G. M. Volkoff, Mr. K. Waldman, Dr. H. V. Warren, Dr. W. A. Webber, Dean P. H. White, Mr. D. R. Williams, Dr. W. E. Willmott, Mr. E. Wood, Dr. W. D. Young.

Observers: Mr. J. A. Banham, Miss D. Hopper, Mr. P. Thompson.

Messages of regret for their inability to attend were received from, Chancellor A. M. McGavin, Deputy-President W. M. Armstrong, Dr. S. D. Cavers, Mr. W. A. Ferguson, Mr. I. F. Greenwood, Dr. W. D. Kitts, Mr. S. S. Lefeaux, Miss E. K. McCann, Dr. A. J. McClean, Dean V. J. Okulitch, Mr. G. R. Selman, Dean M. Shaw, Rev. W. S. Taylor.

Minutes of the March 18 special meeting

Dr. Hardwick)
Dean Scarfe)

That the minutes of the special meeting of March 18, having been circulated, be taken as read and adopted.

Carried

Wednesday, April 29, 1970

Minutes of the March 25 regular meeting

Dean Riedel)
Mr. Meredith)

That the minutes of the seventh regular meeting of the Senate for the session 1969-70, having been circulated, be taken as read and adopted.

Carried

From the Board of Governors

Notification of approval of Senate recommendations - subject, where applicable, to the necessary funds being available

(i) Plant Science 258 to be offered as recommended by the Faculty of Agricultural Sciences, subject to a notation being inserted in the calendar that this course constitutes the first term of Botany 302. (Page 5203)

(ii) New courses to be offered in Philosophy (405, 421 and 434) as recommended by the Faculty of Arts; Theatre 351 to be offered as a non-credit course, and Theatre 450 to be offered for academic credit subject to a description change.

(iii) A new course, Forestry 130, to be offered as recommended by the Faculty of Forestry.

(iv) Computer Science 300 to be replaced by Computer Science 310 with revised description, as recommended by the Faculty of Science.

(v) New courses and course changes to be offered as recommended by the Faculty of Graduate Studies in the Faculties of Agricultural Sciences, Applied Science, Forestry, Science, and in the School of Community and Regional Planning. (Page 5205)

(vi) New courses and course changes to be offered as recommended by the Faculty of Law subject to the modifications agreed to by related Departments and Faculties. (Page 5205)

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From the Board of Governors

Notification of approval of Senate recommendations - subject, where applicable, to the necessary funds being available (Continued)

(vii) A Bachelor of Fine Arts (B.F.A.) degree to be offered as recommended by the Faculty of Arts, subject to the requirements recommended by the New Programmes Committee concerning arrangements governing transfer of students between the B.F.A. programme of the Fine Arts Department and the Education Fine Art and Art Education programme of the Faculty of Education, and subject to the heads of the departments concerned holding a fixed number of joint meetings each year to discuss matters of common concern. (Page 5206)

Committee on Prizes, Scholarships and Bursaries

Dean Scarfe)
Dean Moyls)

That the new awards listed in Appendix 'A' be accepted subject to the approval of the Board of Governors, and that letters of thanks be sent to the donors.

Carried

Reports of Committees of Senate

New Programmes Committee

Proposal of the Extension Department to offer a Diploma Programme in Criminology

Professor Bourne presented the report of the New Programmes Committee on the proposal. He said that the programme had been carefully designed by experts from several disciplines that relate to criminology and the committee felt that there was a need and demand for more intellectual training in this field. To award a diploma on completion of the programme, however, would involve a change in university policy. In the past certificates have been given for programmes that are under the jurisdiction of the Extension Department

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Reports of Committees of Senate

New Programmes Committee

Proposal of the Extension Department to offer a Diploma Programme in Criminology (Continued)

and whose courses do not require approval by Senate. The Committee felt that the usual practice should be followed in this instance. Mr. Bourne referred to section V, paragraph 1, of the submission of the Extension Department, which places the direction of the programme under a Policy Committee and states that "the Policy Committee would have ultimate authority in respect to academic matters, including academic policy, admission, curriculum and teaching appointments." The committee felt that such a statement might be construed as an abdication by Senate of its ultimate responsibility in academic matters therefore the word "ultimate" should be deleted from the statement.

Mr. Bourne)
Dr. Ross)

That Senate approve the proposal of the Extension Department to offer a programme in Criminology subject to the qualification that successful completion of the programme be recognized by the award of a certificate instead of a diploma.

Carried

Proposal for a two-year graduate programme leading to the degree of Master of Library Science (M.L.S.)

Mr. Bourne)
Dr. Gibson)

That Senate approve the proposal for a two-year graduate programme leading to the degree of Master of Library Science (M.L.S.)

It was explained that the existing one-year B.L.S. programme was thought to be inadequate because it attempts to cover too much ground in the time available, and yet still more must be done in order to train the specialized librarians needed today. Recognizing these facts, Library Schools elsewhere in Canada have changed to two year programmes, and Schools in the United States are giving serious consideration to

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Reports of Committees of Senate

New Programmes Committee

Proposal for a two-year graduate programme leading to the degree of Master of Library Science (M.L.S.) (Continued)

replacing their twelve month programmes with two year ones. In the circumstances the committee felt the change justified. It was also stated that with the adoption of an M.L.S. programme by the University of Toronto, the School of Librarianship at The University of British Columbia had become the only accredited School in North America to offer a B.L.S. degree.

The motion was put and carried.

Majority and Minority Reports on Recommendation 5 of the Long-Range Objectives Committee Report

Professor Bourne stated that the New Programmes Committee had been requested by Senate to study Recommendation 5 of the Long-Range Objectives Committee Report which reads as follows:

> "That all proposals for curriculum changes have attached to them, under the sanction of the Board of Governors, their estimated cost, and that Senate take this into consideration in recommending implementation."

The majority of the members of the New Programmes Committee agreed with this recommendation but in doing so they recognized that Senate would find it difficult to recommend an order of priority for the projects it approved. In spite of this difficulty, however, the Committee felt that Senate should attempt to form some judgment of the priority to be assigned to its various recommendations to the Board of Governors. In order to do this it would be necessary to have a good knowledge of the subjects involved and also a general view of the budgets of particular

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Reports of Committees of Senate

New Programmes Committee

Majority and Minority Reports on Recommendation 5 of the Long-Range Objectives Committee Report (Continued)

Departments or Faculties and of the University as a whole. Without this knowledge and view reliable choices could not be made between competing new courses and programmes or existing courses and programmes.

It was pointed out that since financial resources were inadequate the Board of Governors could not authorize all of the new courses and programmes recommended by Senate. Therefore the Board should find it helpful to have the guidance of Senate on the priority that should be given to Senate's various proposals.

There were two minority reports. One stated that an attempt should be made to consider financial aspects but only at the end of the year. The second stated in substance that it should not be attempted at any time.

Mr. Bourne)
Dr. Hardwick)

The Committee recommends:

1. *That Senate approve Recommendation 5;*

2. *That in order to implement Recommendation 5, Senate should request the Deans of the Faculties to submit a statement of the estimated cost of any proposal for a curriculum change or for a new programme when that proposal is submitted to Senate;*

3. *That Senate should request its Curriculum Committee and New Programmes Committee to take into consideration and, insofar as possible, to comment on the financial aspects of the matters referred to them.*

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Reports of Committees of Senate

New Programmes Committee

Majority and Minority Reports on Recommendation 5 of the Long-Range Objectives Committee Report (Continued)

Dr. Hall stated that as Chairman of the Curriculum Committee it would be difficult for the Committee to attach any monetary value to minor curriculum changes and felt that this should only apply where there was a major revision in curriculum.

Some members felt that the main concern was not the initial cost of proposals for new programmes and curriculum changes but what they might ultimately cost when fully developed.

After further discussion part 2 of the motion was amended as follows:-

Dr. Hall)
Mr. Osborne)

That, in order to implement Recommendation 5, Senate should request the Deans of the Faculties to submit a statement of the estimated, initial and ultimate cost of any proposal for a major curriculum change or for a new programme when that proposal is submitted to Senate.

Carried

The motion as amended was carried.

Proposal to offer a Ph.D. Programme in Food Science

Professor Bourne explained that the New Programmes Committee had discussed this programme with the Head of the Department of Food Science and the Dean of Agricultural Sciences and was satisfied that the proposal was sound. The Committee judged that the cost would be minimal at first because most of the early candidates for the Ph.D. in Food Science were already enrolled in the Faculty in the Ph.D. Dairying programme and would be merely transferring from one programme to the other. It was pointed

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Reports of Committees of Senate

New Programmes Committee

Proposal to offer a Ph.D. Programme in Food Science (Continued)

out, however, that the new programme would attract increasing numbers of students and would, of course, require additional funds to support it.

Mr. Bourne)
Dr. Moyls)

That Senate approve the proposal of the Faculty of Graduate Studies to offer a Ph.D. Programme in Food Science and that it be reviewed by Senate after a period of three years.

Carried

Proposal to offer a Ph.D. Programme in Computer Science

Professor Bourne said that the New Programmes Committee was impressed by the careful report of the committee of the Faculty of Graduate Studies that investigated this proposal and agreed with its conclusion. As far as the committee could judge, existing and expected expansion of faculty and facilities in the Department of Computer Science would be sufficient to implement the proposed programme without additional costs.

Mr. Bourne)
Dr. Moyls)

That Senate approve the proposal of the Faculty of Graduate Studies to offer a Ph.D. Programme in Computer Science in the fields of Programming Languages and Artificial Intelligence and that this programme be reviewed in three years.

In reply to a query regarding who would review this programme, it was explained that it would be reviewed by the Faculty of Graduate Studies initially.

The motion was then put and carried.

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Reports of Committees of Senate

Curriculum Committee

Dr. Hall referred to a report of the Curriculum Committee in January which recommended that approval of a number of courses in Computer Science be withheld pending Senate's decision on offering a Ph.D. Programme in that field. The Curriculum Committee had considered these courses, together with Computer Science 649 Thesis for Ph.D. Degree which had been referred to the committee at the March 25 Senate meeting, and now recommended their approval by Senate.

Dr. Hall)
Dr. Norris) *That the course revisions and new courses in Computer Science recommended by the Faculty of Graduate Studies, outlined in Appendix 'B' page 5168, and Computer Science 649 Thesis for Ph.D. Degree, be approved.*

Carried

Tributes Committee

Ed.D. Regalia

The proposed regalia consisting of the following was displayed for approval:

The Gown to be a Cambridge style (Ph.D.) gown, similar to McGill, of black silk material with front facings panel of U.B.C. blue silk 4" wide outlined with gold piping; sleeve facing of U.B.C. blue silk with gold piping for cord and button.

* The Cap to be a Decanal bonnet of black silk material trimmed with gold cord and with a longer tassel hanging 1" over the rim of the bonnet.

Dean Curtis)
Dr. Gray) *That the Ed.D. gown, hood and cap be approved.*

Carried

* *The Hood to be Education blue and gold, with blue, white and gold chevrons.*

Wednesday, April 29, 1970

Proposals of the Faculties

Faculty of Arts

Item (i) - New courses and course changes

It was agreed, as suggested by the Agenda Committee, that the proposal of the Faculty of Arts to offer new courses and course changes, outlined in Appendix 'B', be referred to the Senate Curriculum Committee.

Item (ii) - Extension credit courses

Dr. Kenny)
Dr. Hardwick) *That extension credit courses, outlined in Appendix 'B', be offered as recommended by the Faculty of Arts.*

Carried

Item (iii) - Continuation of Arts I programme for a fourth year

Dr. Kenny stated that the Arts I programme had been approved on an experimental basis for three years with the proviso that it be reviewed in the third year. The report of the Committee evaluating the programme, however, would not be complete until October of this year.

Dr. Kenny)
Dr. Ross) *That the Arts I programme be continued for a fourth year.*

Carried

Item (iv) - Proposed New Arts II Programme

Dr. Kenny stated that the Faculty of Arts had approved authorization for the Arts II programme for one year.

Dr. Kenny)
Dr. Ross) *That Senate approve the Arts II programme on a one year basis.*

Dr. Hall explained that the Arts II programme had been referred directly to the Senate Curriculum Committee by the Agenda Committee for a report to Senate. After extensive discussions, the committee recommended approval of the programme for 1970/71 subject to the proviso

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Proposals of the Faculties

Faculty of Arts

Item (iv) - Proposed New Arts II Programme

that funds were available for staffing purposes and subject to the following observations:

1. Arts II should be subject to review procedures similar to those operating in the Arts I programme.

2. A clear and precise statement be made available to students entering Arts II indicating departmental requirements for Majors and Honours programmes and the effect of these requirements on study programmes of students electing Arts II. Further, students should be warned that they might have to extend the period of their study to satisfy degree requirements.

3. Those responsible for the programme should attempt to improve the range of disciplines represented by faculty participants, particularly in political science and economics.

Dr. Ross stated that the review procedures would be the same as for Arts II and the intention was to make certain students knew precisely what the prerequisites were for subsequent studies.

It was suggested that the three observations of the Curriculum Committee should be incorporated in the motion.

Concern was expressed regarding the experimental nature of the programme and the danger this presents to students.

In amendment:

Dr. Eliot)
Dr. Chitty) *That students admitted to Arts II must have secured 15 units in the first year.*

This suggested amendment was accepted as part of the motion.

After further discussion the motion as amended, including the observations of the Senate Curriculum Committee, was carried.

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Proposals of the Faculties

Faculty of Education

Dean Scarfe)
Dr. Gray)

That the proposal of the Faculty of Education to offer extra-sessional credit courses, outlined in Appendix 'B', be approved.

Carried

Faculty of Science

Item (i) - Proposed Course Changes

The proposed course changes, outlined in Appendix 'B', were referred to the Senate Curriculum Committee.

Item (ii) - Proposed Admission and Promotion Policy

It was agreed, as suggested by the Agenda Committee, that this item be referred to the Senate Admissions Committee for study.

Item (iii) - Proposals Concerning Description of Standings on Students' Transcript of Record

It was explained that this proposal was an attempt to distinguish between a student's standing in the faculty and his standing in his field of specialty.

Dr. Scagel)
Dr. Chitty)

That Senate approve the following:

(a) *That the B.Sc. degree standing be calculated on the best 30 units of courses credited toward the Third and Fourth Year.*

(b) *to introduce for both Majors and Honours programmes, on graduation, the designation "High Distinction" or "Distinction" where appropriate at the discretion of a Department.*

(c) *to acknowledge an additional subject as Major or Honours on a student's transcript when appropriate.*

Carried

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Proposals of the Faculties

Faculty of Science

Item (iv) - Revised Regulations governing B.Sc. degree combined with either M.D. or D.M.D.

It was explained that the Faculty of Science proposed to remove from the regulations concerning the combined degrees, the restriction that First and Second Year be completed on the U.B.C. campus. This would open the combined degrees programme to students transferring from regional colleges.

Dr. Scagel)
Dean McCreary)

That the proposal of the Faculty of Science to remove from the regulations concerning the combined degrees, the restriction that First and Second Year be completed on the U.B.C. campus.

Carried

New eligibility regulations for extramural athletics as proposed by the Athletic Committees

Mr. Osborne)
Dean Scarfe)

That Senate approve the new eligibility regulations for extramural athletics as proposed by the Men's and Women's Athletic Committees.

A query was raised as to what provision had been made in the new regulations to prevent a student from registering, playing a sport for two months, and then withdrawing. It was explained that the current higher entrance standards would be a deterrent to this sort of thing. Some members felt that Senate was being asked to rubber stamp regulations approved by other universities but which needed to be closely looked at by U.B.C.

Dr. Gibson)
Dr. Warren)

That the proposed new eligibility regulations for extramural athletics be referred to an ad hoc committee for study and report back to Senate at its next meeting.

After further discussion the motion to refer this matter to an ad hoc committee was put and carried.

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Recommendations from the Long-Range Objectives Committee Report

Recommendation 15 - That fundamental research be undertaken by the university into:

(1) Student careers, and

(2) Community demand for university-trained personnel."

The Agenda Committee suggested that this recommendation be deferred pending results of planned study by national bodies.

Dr. Clark expressed concern that the Agenda Committee's suggestion implied that the results of such research were just around the corner. He stated that the A.U.C.C. was doing nothing in this field and knew of nothing that would meet the needs of universities.

Dr. Clark)
Dr. Belshaw) *That within the limits of the budget available, the Office of Academic Planning study the demand for university-trained personnel.*

It was thought that CAUT contemplated a national research study of this nature.

Dr. Scott)
Dr. Hardwick) *That the motion be tabled until the next meeting when further information had been obtained by the Office of Academic Planning*

Carried

Recommendation 20 - "That interested members of Senate explore with Committees from student residences what could be done to promote greater contacts between faculty members and the students in the residences."

It was agreed, as suggested by the Agenda Committee, that this recommendation be deferred until the fall when newly constituted student committees will be available for consultation.

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Recommendations from the Long-Range Objectives Committee Report

Recommendations 22, 23, 24 and 25 dealing with the principle of five year revisions

Dr. Belshaw)
Dr. Norris) *That Senate elect a standing committee on academic review to implement the five year academic review policy referred to in recommendations 22 to 25 of the Long-Range Objectives Committee Report.*

Although members agreed with the principle of a five year academic review policy they disagreed with the methods of implementation.

After further discussion it was suggested that the motion be tabled until Dr. Friedman, Dr. Belshaw and Mr. Fulton had met to settle on a suitable wording.

Dean Scarfe)
Mr. Fulton) *That the motion be tabled.* Carried

Proposals of Senate Members

At the Senate meeting of March 4, 1970 the following motion was tabled and referred to a committee, consisting of Dean Moyls, Dean White, Dr. Belshaw and Dr. Norris, for clarification:

> "That Senate approve the principle that teaching undertaken by graduate students be assigned to them and supervised with their own professional education and training in mind, and not the staffing requirements of departments in the University, but that in the implementation of this principle care be taken that the quality of undergraduate education should not be impaired."

Wednesday, April 29, 1970

Proposals of Senate Members (Continued)

Dr. Moyls explained that this motion had arisen out of discussion of Recommendations 10 and 11 of the Long-Range Objectives Committee report. The committee revised the motion as follows:

Dr. Moyls)
Dr. Belshaw)

"That Senate approve the following principles which apply to the appointment and supervision of graduate students as teaching assistants:

(a) the contribution of such appointments and supervision to the professional training and education of the graduate student should be of primary concern; and

(b) the use of graduate students in teaching roles should be established in ways which contribute to rather than impair the quality of undergraduate education."

In amendment:

Mr. Stubbs)
Mr. O'Brien)

That the words "rather than impair" be deleted from the motion.

Carried

The motion as amended was carried.

Mr. Persky)
Mr. Jacobs)

That Senate recommend the Faculty of Science to consider the desirability and feasibility of a Science I programme.

Carried

Mr. Persky)
Dr. Gray)

That Senate prepare a report for the Chairman detailing all research that has been done at U.B.C. since 1960 sponsored by military organizations of the U.S.A. and Canada. (i.e. The United States Army, Navy, Marine Corps, Air Force, C.I.A. and in Canada, the National Research Defence Board.)

It was suggested that the reported research be limited to projects known to and approved by the University. The Chairman stated that this was the only research the University would be able to report on.

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Proposals of Senate Members (Continued)

It was pointed out that details of research carried out for the past 10 years were not available, but no research projects had been undertaken at U.B.C. since 1960 at the request of military organizations.

The motion was defeated.

Dr. Volkoff gave notice of the following motion:

> "That the University be asked to prepare a statement of policy and give examples of research over the past 12 months."

Senate then met in camera to hear a notice of motion concerning alleged problems in the Department of Psychiatry.

The meeting adjourned at 11:30 p.m.

The next regular meeting of Senate will be held on Wednesday, May 20, 1970.

Secretary

Confirmed,

Chairman.

Wednesday, April 29, 1970

APPENDIX 'A'

New Awards Recommended to Senate

The British Columbia Professional Recreation Society Prize

A cash prize of $50 and a framed certificate, gift of the British Columbia Professional Recreation Society, will be awarded to the Head of the Graduating Class for the degree of Bachelor of Recreation Education (B.R.E.).

The College of Dental Surgeons of British Columbia Gold Medal in Dental Hygiene

A gold medal, gift of the College of Dental Surgeons of British Columbia, will be awarded annually to the top graduating student in the dental hygiene program.

The Dr. Joseph J. Schachter Bursary in Home Economics

A bursary of $100, provided by a fund established by Dr. Joseph J. Schachter of Saskatoon, is offered annually in the School of Home Economics. It will be awarded to a student with good academic standing who needs and deserves financial assistance. The student who receives this award is requested to repay the bursary if and when circumstances in the future permit.

The Mack Eastman United Nations Award

This prize of $100, given in memory of Dr. S. Mack Eastman, is available to all students in the University. This price will be awarded for the best essay on an issue current in the United Nations or any of the affiliated organizations. Students intending to compete for this prize should submit their essays to the Scholarship and Bursary Office, Room 207, Buchanan Building, University of B.C., not later than March 31.

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APPENDIX 'B'

FACULTY OF ARTS

Political Science

New Course Political Science 427 Comparative Political Development

Psychology

Change Psychology 404 description change

Economics and Philosophy

Joint Offerings - Economics 101 - Philosophy 100

Extension Credit Courses

Economics 300	Intermediate Economic Analysis (To be substituted for Economics 352 and Economics 357 which have been cancelled)	May-July 1970
French 220	An Introduction to French Literature	Sept-April 1970-71
French 302	Studies in French Language and Style, II	Sept-April 1970-71
French 414	The Twentieth-Century Drama	Sept-April 1970-71
History 326	British North America, 1763-1867	May-July 1970
Linguistics 200	General Linguistics: Part I	Sept-April 1970-71
Linguistics 205	General Linguistics: Part II	Sept-April 1970-71
Philosophy 100	Introduction to Philosophy	May-July 1970
Psychology 100	Introductory Psychology	Sept-April 1970-71
Psychology 200	Experimental Psychology	Sept-April 1970-71
Psychology 301	Developmental Psychology	Sept-April 1970-71
Psychology 307	Motivation and Emotion	Sept-April 1970-71
Psychology 308	Social Psychology	Sept-April 1970-71 (Also by Correspondence)
Psychology 316	Methods in Research	Sept-April 1970-71

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APPENDIX 'B'

FACULTY OF ARTS

Extension Credit Courses (Continued)

Psychology 403	Tests and Measurement	Sept-April 1970-71
Psychology 405	Social Learning	Sept-April 1970-71
Religious Studies 200	Introduction to Religious Studies	Sept-April 1970-71
Religious Studies 407	Archaeology of the Ancient Near East	Sept-April 1970-71
Sociology 200	Introduction to Sociology	By Correspondence
Spanish 100	First-Year Spanish	Sept-April 1970-71
Spanish 200	Second-Year Spanish	Sept-April 1970-71

FACULTY OF EDUCATION

Extra-Sessional Credit Course Proposals 1970-71

(a) On Campus

Education 305	Art Education
Education 309	General Science
Education 332	Psychology of Adolescence
Education 401 (1½ units, first term)	Programmed Instruction
Education 408 (1½ units, second term)	Teaching the Mentally Superior
Education 407	Introduction to the Study of Exceptional Children
Education 414	Audio-Visual Education
Education 431 (1½ units, first term)	Primary Learning Disabilities
Education 436/437	Behavior Disorders/Teaching Maladjusted Children
Education 470	Educational Sociology
Education 475/476	Remedial Reading - Theoretical/Practical
Education 478	Teaching English as a Second Language
Education 479	Cross-cultural Education (Native Indians)
Education 480	Advanced Studies in the Language Arts in Intermediate Grades
Education 491	Acquisition and Organization of Library Materials
Education 576	Advanced Seminar in the Supervision of Instruction

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APPENDIX 'B'

FACULTY OF EDUCATION

Extra-Sessional Credit Course Proposals 1970-71 (Continued)

(b) Off Campus

Education 305	Art Education	Nanaimo
Education 307	Music Education	Vernon
Education 308	Physical Education	Kelowna Europe
Education 309	General Science	Fort St. John
Education 331	Human Development	Nanaimo
Education 333	Curriculum and Instruction in the Education of Young Children	Abbotsford Terrace
Education 430	History of Education	Haney
Education 460	Introduction to Educational Administration	North Surrey
Education 475/476	Remedial Reading - Theoretical/Practical	Cranbrook

FACULTY OF SCIENCE

Biology

Marine Biology Option - The option represents a set of courses appropriate to studies in marine biology; no new courses are involved.

Chemistry

Change Chemistry 305 change in hours
324 change in hours

Zoology

Change In Major Programme - Replace Zoology 302 by an elective

In Honours Programme - Replace Zoology 302 by Zoology 349

Delete Zoology 302

Mathematics

Delete Mathematics 301

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APPENDIX 'B'

FACULTY OF SCIENCE

Courses from Faculties other than Arts and Science to be accepted for transfer credit

Anatomy

Change 401 slight description change due to deletion of Zoology 302, now: Microscopic Human Anatomy

Microbiology

Addition 426 (1) Parasitology (Credit will not be given for both Microbiology 426 and Zoology 413).

Change 425 - change of name only, now: Bacteriology, Mycology and Virology

Paediatrics

Addition 430 (3) Human Genetics

Physiology

Change 400 description change only

Biochemistry

Delete 400

Chemistry

Change 156 unit value reduced from (3) to (1½)

Animal Science

Addition 322 (1½) Fundamentals of Animal Nutrition
323 (1½) Experimental Nutrition

Food Science

Addition 301 (1½) Food Chemistry
302 (1½) Analytical Methods

Wednesday, April 29, 1970

APPENDIX 'B'

FACULTY OF SCIENCE

Courses from Faculties other than Arts and Science to be accepted for transfer credit

Forestry

Addition 312 (1½) Forest Soils

Changes 352 number and description change now: 302 (1½) Forest Genetics (Credit will be given for only one of Forestry 302 and Biology 334).
410 number and title change, now: 408 (1½) Problems in Forest Entomology
466 number and title change, now: 430 (1½) Advanced Biometrics (Credit will be given for only one of Biology 301, Mathematics 305 and Plant Science 322).

- change in number only: 150 to 111; 250 to 204; 278 to 273; 350 to 304; 418 to 406; 351 to 307.

Plant Science

Addition 331 (1½) Economic Entomology

Changes 321 change in description only, now: 321 (1½) Biometrics (Credit will be given for only one of Plant Science 321, Biology 300, Mathematics 205, Mathematics 305)
322 change in description only, now: 322 (1½) Design of Experiments (Credit will be given for only one of Plant Science 322, Biology 301, Forestry 430, Mathematics 305).

Poultry Science

Addition 322 (1½) Fundamentals of Animal Nutrition
323 (1½) Experimental Nutrition
415 (1½) Avian Diseases

Soil Science

Changes 416 title change only, now: Classification and Geography of Soils

- change in number only: 203 to 303.