Wednesday, January 24, 1973.

The Fifth regular meeting of the Senate of The University of British Columbia for the Session 1972-73 was continued on Wednesday, January 24, 1973, at 8.00 p.m. in the Board and Senate Room, Administration Building.

Present: President W. H. Gage (Chairman), Mr. D. V. Anderson, Miss A. J. Baumgart, Dr. L. L. Bongie, Dr. D. G. Brown, Dr. T. H. Brown, Dr. S. D. Cavers, Dr. R. Daniells, Dr. J. D. Dennison, Dr. N. Epstein, Mrs. F. Field, Mr. D. B. Fields, Dr. C. V. Finnegan, Dr. N. C. Franz, Dr. J. G. Foulks, Dean J. A. F. Gardner, Dr. B. Howard, Dr. F. R. C. Johnstone, Dr. J. M. Kennedy, Dean D. T. Kenny, Dr. L. Kraintz, Dr. R. V. Kubicek, Mrs. W. T. Lane, Dr. J. Levy, Dean A. J. McClean, Dr. R. McConnell, Dean Helen McCrae, Dr. C. A. McDowell, Mr. J. A. McEwen, Dr. M. F. McGregor, Mr. C. D. L. MacKenzie, Mr. J. G. Matkin, Dr. P. Merivale, Mr. J. M. Munsie, Dr. J. M. Norris, Mr. R. F. Osborne, Dr. G. V. Parkinson, Dr. R. A. Restrepo, Dr. I. S. Ross, Dr. A. D. Scott, Dean M. Shaw, Mrs. H. W. Sonthoff, Mrs. C. A. Soong, Dr. K. S. Stockholder, Mr. D. A. Swain, Mr. G. A. Thom, Dean G. M. Volkoff, Dr. W. A. Webber, Dean P. H. White, Dr. W. D. Young.

Observers: Dr. B. N. Moyls, Mr. T. A. Myers, Mr. P. Thompson.

Messages of regret for their inability to attend were received from Chancellor N. T. Nemetz, Mrs. M. F. Angus, Mr. G. E. Andreone, Deputy President W. M. Armstrong, Dean D. V. Bates, Dr. R. M. Clark, Dean I. McT. Cowan, Dean W. D. Finn, The Hon. E. D. Fulton, Dr. R. F. Gray, Mr. J. Guthrie, Dr. D. F. Hardwick, Mr. P. A. Insley, Mr. A. J. Longmore, Dr. P. H. Pearse, Mr. P. S. Plant, Dean B. E. Riedel, Mr. S. J. Robinson, Dr. R. F. Scagel, Dean N. V. Scarfe, Dr. R. F. Sharp, Dr. J. K. Stager, Mr. B. Stuart-Stubbs, Dr. M. Uprichard.

The Chairman explained that the meeting had been called in order to discuss items which it had not been possible to deal with at the January 17, 1973 meeting.

Wednesday, January 24, 1973.

Report on the Status of Women at The University of British Columbia

Before continuing with discussion of the reports of committees of Senate, the Chairman stated that a copy of a Report on the Status of Women at The University of British Columbia would be mailed to each member of Senate for information.

Reports of Committees of Senate

Curriculum Committee

Dr. Norris presented the report. The committee noted that a large number of courses were being added to the curriculum whereas comparatively few were being deleted. It was felt that since decreasing enrolment would entail budget restrictions Deans and Department Heads should be urged to pay more attention to the deletion of courses.

Faculty of Arts (See Appendix)

Dr. Norris)
Mr. Swain)

That the proposal of the Faculty of Arts to offer new courses in Anthropology and Sociology be approved.

Carried

Dr. Norris)
Dr. Scott)

That the proposal of the Faculty of Arts to offer new courses in Chinese, Japanese, Economics, English, Fine Arts and French be approved.

It was pointed out that the word "planning" had been substituted for the word "administration" in the description of Economics 308, and that the Calendar statement concerning English 452 had been amended to read "... up to nine units will be offered ..." in place of "... up to three sections ...".

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Arts (continued)

The Chairman was requested to check and report back to Senate on the numbering of Economics 422 Mathematics for Economists.

The motion was put and carried.

Dr. Norris)
Mrs. Sonthoff) *That the proposal of the Faculty of Arts to change the unit value and description of French 100 be approved.*

Carried

Dr. Norris)
Mr. Osborne) *That the proposal of the Faculty of Arts to offer new courses in Geography, Spanish, History, Linguistics, Music, Philosophy and Political Science be approved.*

It was noted that the title of History 370 had been changed from Core Course in Mediaeval History to Topics in Mediaeval History.

The motion was put and carried.

Dr. Norris)
Mr. Anderson) *That the proposal of the Faculty of Arts to offer new courses in Psychology be approved.*

Carried

Dr. Norris)
Mr. Matkin) *That the proposal of the Faculty of Arts to offer new courses in Religious Studies be approved.*

Carried

Dr. Norris)
Mr. Swain) *That course changes in Hebrew and Religious Studies recommended by the Faculty of Arts be approved.*

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Arts (continued)

Dr. Norris)
Dr. Bongie)

That the proposal of the Faculty of Arts to offer new courses in Russian, Ukrainian, and in Slavonic Studies be approved.

Carried

Dr. Norris)
Dean Kenny)

That the proposal of the Faculty of Arts to revise the programme in Slavonic Studies be approved.

Carried

Dr. Norris)
Mr. Anderson)

That the following proposals of the Faculty of Arts be approved:

(i) change in title of the Bachelor of Arts degree in Creative Writing to Bachelor of Fine Arts; and

(ii) revision of Major in Creative Writing.

Carried

Dr. Norris)
Mr. Munsie)

That the proposal of the Faculty of Arts that Creative Writing 201 be changed to 301 with a change in description be approved.

Carried

Faculty of Law (See Appendix)

Submissions from the Faculty of Law were all Category B (i.e. minor changes) and had been circulated for information.

Faculty of Forestry (See Appendix)

Dr. Norris)
Dean Gardner)

That the proposed changes in Calendar entries concerning Examinations and Advancement, recommended by the Faculty of Forestry, be approved.

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Forestry (continued)

Dr. Norris)
Dean Gardner) *That the proposal of the Faculty of Forestry to offer new courses, Forestry 385 and Forestry 485, be approved.*

Referring to Forestry 485, the Chairman explained that the committee recommended approval on condition that the three separate parts of the course be entitled Parts 1, 2 and 3, in order that transcripts may be clear.

The motion was put and carried.

Faculty of Graduate Studies

Dr. Norris)
Dr. Moyls) *That the proposal of the Faculty of Graduate Studies to offer Health Care and Epidemiology 504 and Health Care and Epidemiology 549 (M.Sc. Thesis) be approved.*

Approval of Health Care and Epidemiology 504 had been postponed at the June 7, 1972 Senate meeting pending clarification of the relationship of the course to the mandatory Master's thesis for the Health Care and Epidemiology programme. The Chairman stated that the difficulties had now been resolved.

The motion was put and carried.

Faculty of Graduate Studies (Items in Appendix)

Dr. Norris)
Dr. Cavers) *That the proposal of the Faculty of Graduate Studies to offer new courses in Architecture, Chemical Engineering and Civil Engineering be approved.*

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Graduate Studies (Items in Appendix) (continued)

Dr. Norris)
Dr. Scott) *That the proposal of the Faculty of Graduate Studies to offer new courses in Commerce, Community and Regional Planning, Economics, Geology and Linguistics be approved.*

Carried

Senate agreed to the Committee's recommendation for approval of a change in description of Microbiology 506 which had been changed from a B to an A category (i.e. substantial change).

Dr. Norris)
Dr. Cavers) *That the proposal of the Faculty of Graduate Studies to offer new courses in Mineral Engineering, Music, Pathology, Pharmacology, Pharmacy and Religious Studies be approved.*

In reply to a query concerning Pathology 560 and 561 and Pharmacy 560 and 561 it was stated that there would be an entry in the Calendar to indicate that these courses were being given jointly.

Approval of Music 508 and 562 was withheld pending approval by the Faculty of Arts.

The motion was put and carried.

Senate agreed to the Committee's recommendation for approval of a change in title, description and unit value of Soil Science 503.

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee (continued)

Faculty of Education (See Appendix)

Dr. Norris)
Dr. McConnell) *That the proposal of the Faculty of Education to offer new courses be approved.*

Carried

Dr. Norris)
Dr. McConnell) *That the proposal of the Faculty of Education for a revision in the Librarianship Major (Elementary Division) and the Librarianship Concentration (Secondary Division) be approved.*

Carried

The Chairman reported that proposals submitted by the Faculty of Education under Category B had not been approved by the Senate Curriculum Committee. Some of the proposals appeared to be major changes and therefore required further consideration by the committee.

Faculty of Science (See Appendix)

Dr. Norris)
Dr. McDowell) *That the proposal of the Faculty of Science to change the description of Chemistry 330 and to offer new courses in Chemistry be approved.*

Carried

Dr. Norris)
Dean Volkoff) *That the proposal of the Faculty of Science to change the prerequisites for Computer Science 310 and 311 and to offer new courses in Computer Science be approved.*

Carried

Dr. Norris)
Dean Volkoff) *That the proposal of the Faculty of Science for a revision of the Major Programme in Geography be approved.*

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Science (continued)

Dr. Norris)
Dean Volkoff) *That the proposal of the Faculty of Science to change the course content, hours and unit value of Geophysics 201 and to offer new courses in Mathematics be approved.*

Carried

Dr. Norris)
Dr. Moyls) *That the change in the Mathematics Major Programme and in the description of Mathematics 221, proposed by the Faculty of Science, be approved.*

Carried

Dr. Norris)
Dean Volkoff) *That the proposal of the Faculty of Science to offer a new course, Physics 130, be approved.*

It was pointed out that the title of the course had been changed from Energy and the Environment to Man's Energy Sources.

The motion was put and carried.

Dr. Norris)
Dean Volkoff) *That the revision of the Second Year course offerings and Major Programme in Physics, proposed by the Faculty of Science, be approved.*

Carried

Dr. Norris)
Dean Volkoff) *That the revision of the Third Year Major Programme in Physics, proposed by the Faculty of Science, be approved.*

Carried

Dr. Norris)
Dr. Finnegan) *That the proposal of the Faculty of Science to offer new courses in Zoology be approved.*

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee (continued)

Faculty of Applied Science (See Appendix)

Approval of two new courses, Applied Science 160 and 260 was postponed pending consultations between the Deans of Arts and Applied Science, and between the Dean of Arts and the Heads of the Departments of English, Economics, Anthropology and Sociology, Geography, History and other interested departments concerning the staffing and design of these courses.

It was agreed to postpone approval of a recommendation to delete English 150 as a compulsory course in the Faculty of Applied Science pending consultations among the Dean of Applied Science, the Dean of Arts and the Head of the Department of English. It was also agreed to postpone approval of proposed changes in electives and core courses dependent upon introduction of Applied Science 160 and 260 in the First and Second Years of the Departments of Agricultural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Metallurgy, Mineral Engineering and Engineering Physics, pending the resolution of problems relating to Applied Science 160 and 260.

Approval of a proposed change in description, hours and unit value of Geology 150 was also postponed.

Dr. Norris)
Dr. Epstein) *That a new course in Agricultural Engineering, additions to core courses in Second and Third Year Agricultural Engineering, new courses in Chemistry and a change in unit value and hours of Chemistry 257, proposed by the Faculty of Applied Science, be approved.*

Carried

Wednesday, January 24, 1973.

Reports of Committees of Senate

Curriculum Committee

Faculty of Applied Science (continued)

Dr. Norris)
Dr. Cavers)

That the proposal of the Faculty of Applied Science for new courses and course changes in Civil Engineering, Geological Engineering, Mechanical Engineering, Mineral Engineering and the Engineering Mathematics curriculum be approved.

Carried

Faculty of Arts (See Appendix)

Women's Studies courses

Dr. Norris)
Dr. Stockholder)

That the proposal of the Faculty of Arts to offer new courses in Women's Studies be approved.

Carried

It was reported that the New Programmes Committee had reviewed this submission and was of the opinion that at the present time it merely consisted of a number of courses and did not constitute a new programme.

New Programmes Committee

Departmental status for Medical Genetics

Dr. Levy presented the report. The committee had reviewed the material circulated to Senate for the December 13, 1972 meeting and concluded that:-

a) a sufficient body of knowledge exists to justify departmental status;

b) the body of knowledge is sufficiently separate from that of the previous parent department to justify departmental status; and

c) the discipline in terms of student programmes and research productivity will be better served by departmental status.

Wednesday, January 24, 1973.

Reports of Committees of Senate

New Programmes Committee

Departmental status for Medical Genetics (continued)

Dr. Levy)
Dean Shaw)

That the proposal of the Faculty of Medicine to grant departmental status for Medical Genetics be approved.

Carried

New concentration in Earth and Space Science in the Secondary Division of the Faculty of Education

The committee felt that because of curriculum changes in public schools, sufficient need existed for a university programme to assist in the preparation of secondary school teachers.

Dr. Levy)
Dr. Dennison)

That the proposal of the Faculty of Education to offer a new concentration in Earth and Space Science be approved.

Carried

Two new majors and a concentration in Canadian Studies in the Faculty of Education

It was explained in the report that the proposal consisted of the following:

(i) A major in the Secondary Division
(ii) A concentration in the Secondary Division
(iii) An academic major in the Elementary Division

It was further explained that a concentration in the Secondary Division of the Faculty of Education usually consists of 9 - 12 units of senior academic course work; the major in the Secondary Division 15 units of senior academic course work, and an academic major in the Elementary Division 9 units of senior level course work.

Wednesday, January 24, 1973.

Reports of Committees of Senate

New Programmes Committee

Two new majors and a concentration in Canadian Studies in the Faculty of Education (continued)

The chief intent of the proposal seemed to be to give an opportunity to students to develop an academic background with a region or a culture as an organizing focus rather than a single discipline. The committee believed that such a focus was appropriate for the Elementary Division major and the Secondary Division concentration, but that the proposed major in the Secondary Division lacked sufficient academic depth.

(ii) A concentration in the Secondary Division

Dr. Levy)
Dr. Dennison) *That the proposal of the Faculty of Education for a concentration in Canadian Studies in the Secondary Division be approved.*

Carried

(iii) An academic major in the Elementary Division

Dr. Levy)
Dr. Dennison) *That the proposal of the Faculty of Education for a major in Canadian Studies for the Elementary Division be approved.*

Carried

(i) A major in the Secondary Division

Senate agreed to withhold approval of the proposed major in Canadian Studies for the Secondary Division pending further review by the Faculty of Education. The committee had expressed concern for the lack of disciplinary depth.

Wednesday, January 24, 1973.

Academic Year 1973-74

A draft of the section of the Academic Year for inclusion in the General Information section of the Calendar had been circulated. The Chairman suggested that the Registrar be informed of any possible amendments immediately.

Report on Registration 1972-73

The report on registration for 1972-73 was circulated for information. Total enrolment for the Winter Session was 19,166 compared to 19,826 in 1971-72.

Other Business

Education 380

The Chairman of the Curriculum Committee drew attention to the fact that Education 380, which had been approved by Senate at the December 13, 1972 meeting, had not been approved by the Faculty of Education. It was agreed that the matter should be clarified before the February meeting of Senate.

Faculty of Medicine - Clinical Clerkship

Proposed changes in the scheduling of the Clinical Clerkship had been circulated. Dr. Webber explained that a minor modification had been made by lengthening the clerkship to 54 weeks. He stated, however, that a review would probably be made after a year's operation.

Dr. Webber)
Dr. Johnstone) *That the proposal of the Faculty of Medicine to change the scheduling of the Clinical Clerkship be approved.*

Carried

Wednesday, January 24, 1973.

Other Business (continued)

February meeting of Senate

Dr. Scott noted that the February 21, 1973 meeting of Senate had been scheduled the day before the mid-term break.

Dr. Scott)
Dr. Cavers) *That the date of the February meeting of Senate be changed to February 14, 1973.*

Lost

Report on Registration 1972-73

In reply to a query the Registrar stated that a breakdown of the enrolment figures to include part-time students could be provided.

Faculty of Education - Summer Session Regulations

At the June 7, 1972 meeting of Senate the Faculty of Education had submitted a resolution to remove the restriction of 6 units from the Summer Session regulations. The resolution was then withdrawn at the December 13, 1972 meeting. In reply to a query it was stated that permission to take more than 6 units was given under special circumstances. The Chairman suggested that the matter be discussed further after receiving information from the Registrar concerning how many exceptional cases there had been in the 1972 Summer Session.

Notice of motion

Dr. W. D. Young gave notice of the following motion:-

> *"That the position of Head of Department be replaced by that of Chairman of Department throughout the University, the term of office of chairmen be four years, renewable once; present incumbents with more than three years in office shall be considered to have completed one year of their final four-year term at the day of passage of this resolution, and the selection of chairmen shall be by election from amongst tenured members of the departments and by full-time members of the departments."*

Wednesday, January 24, 1973.

Other Business

Notice of motion (continued)

The Chairman stated that in accordance with the Universities Act, the question of appointments and tenure was decided by the Board of Governors and this question did not appear to be within the purview of Senate.

The Chairman of the Committee on the Universities Act stated that this subject would be dealt with by that committee and therefore Senate would have an opportunity to discuss the matter when the committee presented its report to Senate.

Dr. Young withdrew the motion pending the report of the Committee on the Universities Act.

In reply to a query it was confirmed that the committee would also be examining the section of the Universities Act dealing with the powers of Senate.

The meeting adjourned at 10.15 p.m.

The next regular meeting of Senate will be held on Wednesday, February 21, 1973.

Secretary

Confirmed,

Chairman

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

A = new courses or substantial changes

B = minor changes (approved unless otherwise indicated)

FACULTY OF APPLIED SCIENCE

Applied Humanities courses

A New courses
* Applied Science 160 (3) The Living City
* Applied Science 260 (3) Technology and Society

* approval of these courses withheld (See P.5766)

Changes in First Year Applied Science

A * Delete English 150

* approval withheld (See P.5766)

A * Proposed Calendar changes for students transferring into First Year Applied Science from institutions other than U.B.C.

A * Geology 150 - change in description, hours and unit value

* approval withheld (See P.5766)

Agricultural Engineering

A Changes
* Remove from core courses in Second Year: Physics 253, Applied Science 278

  Add to core courses in Second Year: Mathematics 251

* Applied Science 260

  Add to core courses in Third Year: Electrical Engineering 451

* approval withheld (See P.5766)

A New course Agricultural Engineering 481 (1½) Food Engineering

B Change Agricultural Engineering 385 - change in unit value and description

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

FACULTY OF APPLIED SCIENCE (continued)

Chemical Engineering

A Changes in Second Year:

* Add Applied Science 260
(approval withheld - See P.5766)

A New courses Chemistry 255 (1) Chemistry Laboratory
Chemistry 256 (3) Organic Chemistry

A Change Chemistry 257 - change in unit value and hours

B Deletions Chemistry 230, Chemical Engineering 457

Civil Engineering

A Change * Replace Second Year elective by Applied Science 260

* approval withheld (See P.5766)

A New course Civil Engineering 471 (1) Functional Design of Roadways

B Changes Remove C.E. 463 from Common Core and add to Fourth Year required Core courses for surveying and Water and Pollution Options.

Changes in technical electives for Construction Option.

Third Year - delete C.E. 373. All students to take C.E. 370.

Electrical Engineering

A Change * Replace elective in Second Year Electrical Engineering by Applied Science 260

* approval withheld (See P.5766)

B Changes E.E. 367 - change in hours and unit value
Replace Mathematics 452 by Mathematics 400 as required course in Fourth Year Electrical Engineering (Option II).
E.E. 438, 471, 475 - change in description

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APPENDIX

Course and Curriculum Proposals

FACULTY OF APPLIED SCIENCE (continued)

Geological Engineering

A Changes in Mathematics requirements for Third and Fourth Year Geological Engineers Option II (Geophysics)

Add Geophysics 415 to Geophysics requirements for Fourth Year Option II (Geophysics)

A New course Geology 444 (3) Geotechnics (required course added to Option III Geological Engineers)

Mechanical Engineering

A Changes
* Replace elective by Applied Science 260 (Second Year)
* approval withheld (See P.5766)

Delete M.E. 469 from Fourth Year
add Mathematics 400 to electives (See P.5767)

B Changes M.E. 252, Ap.Sc. 281, M.E. 398, M.E. 498 - change in description

M.E. 364 - change in title, description and unit value

Metallurgy

A Change
* Applied Science 260 to replace the unspecified elective in the Second Year programme
* approval withheld (See P.5766)

B Change Metallurgy 474 - change in description

Mineral Engineering

A Changes
* Remove Physics 253 from Core courses in Second Year
Delete Mineral Engineering 260, 472, 454
* Add Applied Science 260 to Second Year core courses
* approval withheld (See P.5766)

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

FACULTY OF APPLIED SCIENCE

Mineral Engineering

A	Changes (continued)	
		Mineral Engineering 460 - change in title, description, unit value and hours
B	Change	Mineral Engineering 471 - changed from an elective to a core course in the Fourth Year Mineral Processing Option

Mathematics

A	Change	Engineering Mathematics curriculum - delete Mathematics 357 and 452
B	Change	Mathematics 255 and 256 - change in description

Engineering Physics

A	Changes	* Add to Second Year curriculum - Applied Science 260 * Delete one elective - Applied Science 270 or 278 * approval withheld (See P.5766)
B	Changes	Delete Mathematics 452 from Fourth Year curriculum Add Mathematics 400 to Fourth Year curriculum

FACULTY OF ARTS

Anthropology & Sociology

A	New courses	Anthropology	203 (1½)	Introduction to Anthropological Archaeology
			306 (3)	Summer Field Training in Archaeology
			310 (1½-3)	Urban Anthropology
			325 (3)	Introduction to the Study of Human Evolution
			329 (3)	Indians and Eskimos of Canada
			335 (3)	Folklore in Canada
			433 (3)	Directed Studies

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS

Anthropology & Sociology

A New courses (continued)

Sociology 433 (3) Directed Studies

B Changes Anthropology 300, 320, 420 - changes in descriptions

Asian Studies

A New courses Chinese 180 (6) Intensive Summer Course in Chinese
Japanese 180 (6) Intensive Summer Course in Japanese

B Changes Chinese 100 (6) Basic Chinese replaced by:-

Chinese 100 (3) Basic Chinese
101 (3) Basic Chinese

Japanese 100 (6) Basic Japanese replaced by:-

Japanese 100 (3) Basic Japanese
101 (3) Basic Japanese

Classics

B Changes Classical Studies 330 and 436 - changes in descriptions

Economics

A New courses Economics 308 (1½) Principles of Microeconomics (See P.5759)
354 (3) The Economics of Public Issues
395 (3) Honours Seminar
422 (1½) Mathematics for Economists (See P.5759)
450 (3) Government Finance
454 (1½-3) Economics of Human Resources

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS (continued)

B	Changes	Economics 200 -	change in description and number now Economics 100
		384 -	change in description and prerequisite
B	Deletions	Economics 101, 130, 140, 200 *	
		* (Economics 202 to be taken instead)	

B Change in requirements for Major or Honours Programme in Economics

That students be allowed to include 300-level courses in Economics which have a Principles of Economics prerequisite in the required 15 or 18 units, even though these courses are taken in the Second Year.

English

A	New courses	English 201 (3)	A Survey of English Literature from Chaucer to 1914
		202 (3)	Major Authors to 1914
		203 (3)	Biblical and Classical Backgrounds of English Literature
		204 (3)	Short Fiction
		205 (3)	Canadian Literature
		411 (1½)	English Stylistics
		412 (1½)	English Dialects
		451 (3)	A Survey of American Literature since 1860
		452 (1½-3)	Studies in American Literature: Sections A-J (See P.5759)
B	Changes	English 350 -	change in title and description
		351 -	change in number, now 308
		450 -	change in title
B	Deletions	English 200, 451, 454	

Fine Arts

A	New courses	Fine Arts 361 (3)	Pre-Colonial Art of South America

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APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS

Fine Arts

A New courses (continued)

Fine Arts 363 (3) Pre-Colonial Art of Mexico and Central America
397 (3) Directed Study Abroad (Summer School)

B Changes Fine Arts 373 - change in title and description
473 - change in title

B Deletion Fine Arts 371

French

A New course French 334 (3) French Civilization

A Change in unit value and description:

French 100 (3) Beginning French will become:
French 100 (6) Beginning French - Intensive Course

Geography

A New courses Geography 312 (1½) Synoptic Climatology
323 (1½) Attitudes Towards the Environment in the Western World
326 (3) Historical Geography of Western Europe
410 (1½) Climatological Analysis

B Changes Geography 213,311,411 - changes in titles and description
Geography 313 - change in title
Geography 212, 310, 371, 414, 461, 494, 495 - changes in description

German

B Change German 430 - change in title

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APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS (continued)

Hispanic and Italian Studies

A	New course	Spanish 206 (3)	Introduction to Hispanic Civilization

History

A	New courses	History 200 (3)	Ideas and Social Action: Historical Studies
		370 (3)	Topics in Mediaeval History (See P.5760)
		404 (3)	British Columbia
		438 (3)	History of the Soviet Union
		470 (3)	Seminar in Mediaeval History
B	Changes in course number	History 304 changed to 371	
		History 316 changed to 372	
		History 317 changed to 373	
		History 416 changed to 374	
		History 312 changed to 375	

Linguistics

A	New course	Linguistics 420 (3)	Introduction to Linguistic Problems
B	Changes	Linguistics 300 and 400 - changes in title, description and unit value	

Music

A	New courses	Music 162 (1)	Wind and Percussion Chamber Ensembles
		243 (1)	Class Piano II
		402 (3)	Special Projects
B	Changes	Music 100, 107, 200, 300 - change in description	
		Music 125/225 - change in number now 135/235	
		Music 321 - change in unit value and description	
		Music 143, 144, 145, 146, 147, 148, 244, 245, 246, 247, 248, 306, 309, 344, 345, 346, 347, 348, 444, 445, 446, 447, 448 - changes in title	
		Music 323, 324, 325 - changes in prerequisite	
		Music 328 - change in title and description	

Wednesday, January 24, 1973.

APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS (continued)

Philosophy

A	New courses	Philosophy	120 (3)	History of Modern Philosophy
			214 (3)	Introduction to Scientific Reasoning
			350 (3)	Epistemology and Metaphysics
			373 (1½)	Mediaeval Philosophy A
			383 (1½)	Mediaeval Philosophy B
			451 (1½)	Philosophy of Language B
B	Changes	Philosophy	200 - change in number now 250	
			411 - change in number now 311	
		Philosophy	201, 402, 434, 440, 450, 460, 470, 480 - changes in prerequisite	
B	Deletions	Philosophy	212, 313	

Political Science

A	New courses	Political Science	305 (1½)	Social and Political Thought
			406 (1½)	Topics in Political Thought
B	Deletion	Political Science	424	

Psychology

A	New courses	Psychology	304 (3)	Brain and Behaviour
			310 (3)	Learning
			417 (1½-3)	Special Topics in Psychology

Religious Studies

A	New courses	Religious Studies	308 (3)	Introduction to Post-Biblical Judaism
			407 (1½)	Topics in Talmudic Judaism
			408 (1½)	Topics in Mediaeval Judaism

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APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS

Religious Studies

A New courses (continued)

Religious Studies 409 (1½) Topics in Modern Judaism
440 (3) The Bible and the Koran

A Changes

Hebrew 100 - change in number, title, description and unit value, now Hebrew 300
Hebrew 200 - change in number, title, description and unit value, now Hebrew 400
Religious Studies 406 - change in number, title description and unit value, now Hebrew 401

B Changes

Religious Studies 301, 302 - changes in title

B Deletion

Religious Studies 405

Slavonic Studies

A New courses

Russian 315 (1½) Russian Practice
415 (1½) Advanced Russian Practice
434 (3) Studies in Russian Drama

Ukrainian 425 (3) Advanced Ukrainian

Slavonic Studies 448 (1½-3) Seminar in Slavonic Area Studies

B Changes

Russian 200, 210, 303 - changes in prerequisite
Russian 310, 408 - changes in description and prerequisite
Russian 300 - change in number, title, description and prerequisite, now Russian 308
Russian 400 - change in number and prerequisite, now Russian 410
Russian 430, 431, 432, 433 - changes in title

Ukrainian 400 - change in number, now Ukrainian 325

Polish 445 (3) - change in number, description and unit value, now becomes two courses:-

Polish 445 (1½) Survey of Polish Literature
Polish 446 (1½) Studies in Polish Literature

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APPENDIX

Course and Curriculum Proposals

FACULTY OF ARTS

Slavonic Studies

B Changes (continued)

Slavonic Studies 310 - change in number and title, now Slavonic Studies 410

B Deletions Russian 301, 331, 480 and Slavonic Studies 449

Programme deletions

The Slavonic Studies Major and the Slavonic Studies Honours Programme to be deleted.

A Revision of Programme in Slavonic Area Studies

Creative Writing

Revision of Major Programme in Creative Writing

A Change Creative Writing 201 - change in number and description, now Creative Writing 301

Women's Studies

A New courses (See P.5767)

Women's Studies 222 * (3) Interdisciplinary Course in Women's Studies

Women's Studies 224 (3) Seminar on Women in Literature

Anthropology-Sociology 222 (3) Seminar in Women's Studies

Psychology 417 (1½-3) Special section entitled:- Psychology of Sex Roles

* Title not submitted by Faculty of Arts. This title submitted by Senate Curriculum Committee following consultation with those concerned.

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APPENDIX

Course and Curriculum Proposals (continued)

FACULTY OF EDUCATION

A	New courses	Education	389 (1½)	The Teacher and the School Library
			398 (0)	Student Teaching for Industrial Education Students
			434 (1½)	Precision Teaching and Behaviour Modification
			486 (1½)	Developing Oral Language: Classroom Procedure

B Changes:- #(approval withheld - see P.5764)

B One-year Programme for Graduates in the Secondary Division

Fields of study from which degree holders may be considered:

add:- Geology
add:- Social Science (Anthropology, Asian Studies, Sociology, Economics, Political Science) with at least 3 units of Geography
Delete:- Guidance

B Changes Education 404 - change in unit value
Education 413 - to become an elective
Education 416 - change in description

B Change in electives in Fifth Year of B.Ed. (Secondary) degree programme

B Minor changes in requirements for Concentrations and/or Majors in French and Commerce

B Social Studies Concentration (emphasis on Social Science) - Geography and History no longer obligatory and other minor changes.

B Mathematics Concentration and Major (Secondary Division) - revised.

B Education 498 and 499 (description modified for Industrial Education programme)

B Changes Education 359 and 464 - change in title and description

B Industrial Education Programme - change in requirements

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APPENDIX

Course and Curriculum Proposals

FACULTY OF EDUCATION

B Changes:- #(approval withheld - see P.5764) (continued)

(Programme for Journeymen sponsored by the Department of Education in Victoria)

B Change in requirements of Mathematics Majors in the Elementary Division - i.e. Professional Major and Double Major

B Changes Education 372 and 373 - change in description

B Training programme in Elementary Education for graduates of other Faculties - minor revisions to programme

B Change Education 308 - change in number, now 326

B Major in Intermediate Education - change in description

B Major in Language Arts - change in description

B Changes Education 461, 475, 476, 478, 479 - change in description
Education 480 - change in description and unit value

B Major in Primary Education - change in description; additional elective Education 486

B Music Education - change in programme description

A Revision in Librarianship major (Elementary Division):

delete Education 390 - replace by:-

Education 381 (1½) The Library in the School
Education 382 (1½) Services and Programmes in Elementary School Libraries

delete Education 490 - replace by:-

Education 383 (1½) Selection of Materials
Education 384 (1½) Selection of Materials (Advanced)

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APPENDIX

Course and Curriculum Proposals

FACULTY OF EDUCATION

A Revision in Librarianship major (Elementary Division): (continued)

delete Education 491 - replace by:-

Education 385 (1½) Introduction to Cataloging and organization of Library materials
Education 386 (1½) Classification and Cataloging

delete Education 492 - replace by:-

Education 387 (1½) The School Library; Sources of Information I
Education 388 (1½) The School Library; Sources of Information II

A Revision in Librarianship Concentration (Secondary Division)

FACULTY OF FORESTRY

Changes concerning Examinations and Advancement:-

(1) A full-time winter session student must take a minimum of 15 units in-session course work each year, including all the required core courses. The maximum in-session course load normally is 18 units.

(2) Standing and awards will be based, where applicable, on the average mark of 15 in-session units of course work chosen in a manner most advantageous to the student, but including all the required courses.

(3) Honours standing on graduation will be granted to those students who obtain First Class standing in the final year and who have obtained at least 75 per cent with no supplementals in both of the preceding two years.

(4) No student shall advance to a higher year if he has more than 3 units of core courses or 4 units in total outstanding.

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APPENDIX

Course and Curriculum Proposals

FACULTY OF FORESTRY (continued)

A	New courses	Forestry 385	(1½)	Forest Hydrology
		485	(1-3)	Forest Watershed Management (See P.5762)
B	Changes	Forestry 442 - addition of prerequisite		
		473 - change in description and addition of prerequisite		

FACULTY OF GRADUATE STUDIES

Animal Science

B	Change	Animal Science 500 - change in description

Architecture

A	New courses	Architecture 504#	(1½)	Planning the Residential Environment
		511#	(1½)	Housing and Community Planning
B	Deletion	Architecture 504	(3)	The Residential Environment

See Planning 504 and 511

Asian Studies

B	Changes	Asian Studies 501, 503, 508, 513, 521, 523, 528, 533, 541, 543, 546, 553, 561 - changes in unit value

Chemical Engineering

A	New courses	C.E. 565	(1-3)	Process Control
		C.E. 576	(1-2)	Air Pollution Projects
		C.E. 577	(1-2)	Electrochemical Engineering
B	Change	C.E. 550 - change in title and description		

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APPENDIX

Course and Curriculum Proposals

FACULTY OF GRADUATE STUDIES (continued)

Civil Engineering

A	New courses	Civil Engineering 561 (1)	Solid Waste Treatment System Design
		589 (1)	Traffic Flow Theory

Commerce

A	New course	Commerce 586 (1½-3)	Discrete Optimization

Community and Regional Planning

A	Changes	Planning 504 and 511	- change in title and description (See Architecture above)

Economics

A	New courses	Economics 526 (1½)	Probability and Statistics for use in Economics
		Economics 527 (1½)	Econometric Methods of Economic Research

Electrical Engineering

B	Changes	E.E. 596, 573 - changes in description E.E. 585 - change in title and description E.E. 551 - change in unit value
B	Deletion	Electrical Engineering 598

Food Science

B	Change	Food Science 513 - change in title and description

Forestry

B	Change	Forestry 512 - change in title and description

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APPENDIX

Course and Curriculum Proposals

FACULTY OF GRADUATE STUDIES (continued)

Geology

A	New course	Geology 512 (1½)	Glacial Geology and Quaternary History - Seminar

Health Care and Epidemiology

A	New course	Health Care and Epidemiology 549 (6)	M.Sc. Thesis

Linguistics

A	New course	Linguistics 545 (1½-3)	Sociolinguistics

Microbiology

A	Change	Microbiology 506 - change in description	(See P.5763)
B	Deletion	Microbiology 507	

Mineral Engineering

A	New course	Mineral Engineering 575 (2)	Mechanistic and Empirical Modelling of Mineral Processes
B	Deletion	Mineral Engineering 570	

Music

A	New courses		Music 520 (4)	Introduction to Historical Musicology
			Music 529 (4)	Introduction to Ethnomusicology
			Music 531 (3)	Seminar in Ethnomusicology
			Music 539 (3)	Opera Production
		*	Music 562 (0)	Wind and Percussion Chamber Ensembles
		*	Music 508 (3)	Composition

* Approval of these courses withheld pending approval by the Faculty of Arts (See P.5763)

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APPENDIX

Course and Curriculum Proposals

FACULTY OF GRADUATE STUDIES

Music (continued)

B Changes * Music 544, 545, 546, 547, 548 - changes in title

* These changes have not been approved by the Faculty of Arts

Pathology

A New courses Pathology 560* (2) Radiopharmaceuticals in Nuclear Medicine
561* (1) In Vitro Assay Techniques in Nuclear Medicine
562 (1) Clinical Nuclear Medicine

* See P. 5763

Pharmacology

A New courses Pharmacology 500 (1½) Molecular Aspects of Drug Action at the Membrane Level
501 (1½) Structure-Activity Relationships of Pharmacological Agents
502 (2) Drugs and Intercellular Communication (Including Neuropharmacology)
512 (1½) Experimental Design and Bioassay
548 (1-3) Directed Studies in Pharmacology

Pharmaceutical Sciences

A New Courses Pharmacy 560* (2) Radiopharmaceuticals in Nuclear Medicine
Pharmacy 561* (1) In Vitro Assay Techniques in Nuclear Medicine

* See P. 5763

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APPENDIX

Course and Curriculum Proposals

FACULTY OF GRADUATE STUDIES (continued)

Physics

B	Change	Physics 509 - change in description

Plant Science

B	Change	Plant Science 531 - change in unit value

Poultry Science

B	Change	Poultry Science 500 - addition to description

Religious Studies

A	New courses	Religious Studies	512 (3)	Topics in Buddhism
			631 (3-6)	Problems and Methods in Buddhist Studies
			649	Ph.D. Thesis

Soil Science

A	Change	Soil Science 503 - change in title, description and unit value

FACULTY OF LAW

B	Changes	Law 229 - change in description
		Law 437 and 461 changed from seminars to the following courses:-
		Law 246 and 270

FACULTY OF SCIENCE

Botany

B	Changes	Botany 426 and 427 - change in description

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APPENDIX

Course and Curriculum Proposals

FACULTY OF SCIENCE (continued)

Chemistry

A	New courses	Chemistry 313 (3)	Advanced Organic Chemistry for the Life Sciences
		Chemistry 435 (1)	Bio-Inorganic Chemistry
A	Change	Chemistry 330 - change in description	
B	Changes	Minor Calendar changes	
		Chemistry 335 - change in title	
		Chemistry 417 - change in title and description	

Computer Science

A	New courses	Computer Science 213 (1)	Introduction to Assembly Language
		Computer Science 430 (1½)	Computers and Man
A	Changes	Computer Science 310 and 311 - change in prerequisites	
B	Change	Computer Science 405 (3) split into two 1½ unit courses:-	
		Computer Science 405 (1½)	Modelling and Simulation
		Computer Science 406 (1½)	Algorithms for Optimization

Geography

A Revision of Major Programme in Geography (See P.5764)

B	Changes	Minor Calendar changes	
		Geography 212 - change in description	
		213 and 311 - change in title and description	
		313 - change in title and prerequisite	
		414 - change in prerequisite	

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APPENDIX

Course and Curriculum Proposals

FACULTY OF SCIENCE

Geography

B Changes (continued)

Geography 411 (1½-3) Microclimatology split into two courses:-

Geography 410 (1½) Climatological Analysis
Geography 411 (1½) Urban and Air Pollution Climatology

Geological Sciences

B Change Geology 210 - change in title and description

Geophysics and Astronomy

A Change Geophysics 201 - change in course content, hours and unit value

B Changes Astronomy 310 and Geophysics 310 - addition to description

Astronomy 200 - change in description and prerequisite

Geophysics 403 and 449 - change in description

Mathematics

A New courses Mathematics 315 (1½) Differential Equations I
Mathematics 316 (1½) Differential Equations II

A Changes Change in Mathematics Majors Programme

Mathematics 221 - change in description

B Changes Mathematics 305 and 400 - change in prerequisites

Physics

A New course Physics 130 (3) Man's Energy Sources (See P.5765)

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APPENDIX

Course and Curriculum Proposals

FACULTY OF SCIENCE

Physics (continued)

A Revision of Second Year course offerings and Major Programme:

Physics 200 (2) and Physics 219 (1) replaced by:-

Physics 214 (3) Heat, Properties of Matter, and Electricity
219 (1) Laboratory in Electricity and General Physics
231 (2) Optics and Electromagnetism
234 (2) Electricity
239 (1) Laboratory in Optics and Electromagnetism
230 (1) XXth Century Physics

A Revision of Third Year Major Programme in Physics:

Math 301 (3) replaced by:
Math 315 (or Math. 301) (1½-3) and
Physics 312 (or Math. 316 or 300) (1½-3)

New course
Physics 328 (2) Optics and Spectroscopy
Physics 316 - deleted
Physics 312 - change in description and unit value

B Changes
Physics 204 - addition of prerequisites
Physics 220, 408 and 419 - change in description
Physics 403 - change in title and prerequisites

Zoology

A New courses
Zoology 340 (3) Principles and Methodology in Zoological Research I
440 (3) Principles and Methodology in Zoological Research II
405 (1½) Molecular Adaptation of Animals to the Environment

B Changes
Zoology 323, 420, 423, 449 - change in description, title and unit value

B Delete
Zoology 349

B Minor changes in Major and Honours programmes