Thursday, September 12, 1974.

The First regular meeting of the Senate of The University of British Columbia for the Session 1974-75 was held on Thursday, September 12, 1974 at 6.00 p.m. in the Board and Senate Room, Administration Building.

Present: President W. H. Gage (Chairman), Dr. A. E. Aho, Dean J. H. M. Andrews, Mrs. M. F. Angus, Deputy President W. M. Armstrong, Dean D. V. Bates, Dr. L. L. Bongie, Dr. C. B. Bourne, Dr. C. A. Brockley, Dr. D. G. Brown, Dr. T. H. Brown, Mr. R. M. Buzza, Mr. C. McK. Campbell, Mr. R. J. Carter, Dr. R. M. Clark, Dean I. McT. Cowan, Dr. R. Daniells, Dr. N. Epstein, Ms. B. G. Errington, Mrs. F. Field, Rev. R. W. Finn, Dean W. D. Finn, Dr. C. V. Finnegan, Dr. J. G. Foulks, Dean E. M. Fulton, Mr. G. S. Funt, Dean J. A. F. Gardner, Dr. W. C. Gibson, Dr. R. F. Gray, Mr. I. F. Greenwood, Dean N. A. Hall, Dr. D. F. Hardwick, Dr. T. D. Heaver, Dr. J. M. Houston, Dr. B. Howard, Miss W. J. Hudson, Dr. F. R. C. Johnstone, Dr. J. M. Kennedy, Dean D. T. Kenny, Dr. W. D. Kitts, Dr. L. Kraintz, Mrs. W. T. Lane, Mrs. J. MacD. Lecky, Dean S. W. Leung, Mr. T. B. Lindsay, Dr. D. J. MacDougall, Dean A. J. McClean, Dr. R. E. McConnell, Dr. M. F. McGregor, Rev. J. P. Martin, Dr. P. Merivale, Mr. A. M. Moore, Ms. C. M. Moriarty, Mr. R. F. Osborne, Mr. P. W. Park, Dr. G. V. Parkinson, Miss E. B. Paul, Mr. G. J. Peet, Dr. R. A. Restrepo, Dr. G. Rosenbluth, Dr. I. S. Ross, Mrs. L. Sayle, Ms. S. H. M. Smaill, Mr. A. M. Smolensky, Dr. J. K. Stager, Dr. J. R. Stein, Dr. K. S. Stockholder, Mr. B. Stuart-Stubbs, Mr. G. A. Thom, Mr. B. B. Trevino, Dr. M. Uprichard, Dean G. M. Volkoff, Mr. F. C. Walden, Dr. W. A. Webber, Dr. R. L. White, Ms. K. P. Young.

Observers: Mr. J. A. Banham, Mr. T. A. Myers.

Messages of regret for their inability to attend were received from Chancellor N. T. Nemetz, Dr. S. D. Cavers, Mr. C. J. Connaghan, Dr. C. G. David, Dr. S. M. Friedman, The Hon. E. D. Fulton, Dr. C. A. McDowell, Mr. P. S. Plant, Dean B. E. Riedel, Dr. A. D. Scott, Mrs. C. A. Soong, Mr. D. R. Williams.

Thursday, September 12, 1974.

Minutes of the Previous Meeting

Dr. McGregor)
Dr. Hardwick)

That the Minutes of the Ninth regular meeting of Senate for the Session 1973-74 having been circulated, be taken as read and adopted.

Carried

Senate Membership

The Chairman reported the following new appointments:-

Representatives of Affiliated Colleges
Dr. J. M. Houston, Principal, Regent College

Deans
Dean E. M. Fulton, Dean of Women (replacing Acting Dean J. E. Searcy)
Dean N. A. Hall (replacing Acting Dean C. C. Gourlay)

Elected by the Faculties
Dr. T. D. Heaver, Faculty of Commerce and Business Administration (replacing Mr. D. B. Fields)

Senate ratified the appointments of the following Joint Faculty Representatives to replace those on leave of absence and those who had resigned from Senate:-

Dr. S. M. Friedman, Department of Anatomy, to replace Dr. J. M. Norris (Dr. Norris resigned from Senate).

Miss W. J. Hudson, Rehabilitation Medicine, to replace Dr. P. H. Pearse during leave of absence from July 1, 1974 to December 31, 1974.

Dr. P. A. Lusztig, Faculty of Commerce and Business Administration, to replace Dean N. A. Hall.

Mr. A. M. Moore, Department of Economics, to replace Dr. D. E. Smith (Dr. Smith resigned October 1973).

Dr. J. R. Stein, Department of Botany, to replace Dr. J. D. Dennison during leave of absence from September 1, 1974 to December 31, 1974.

Dr. R. L. White, Department of French, to replace Dr. R. V. Kubicek during leave of absence from July 1 1974 to June 30, 1975.

Thursday, September 12, 1974.

Senate Membership (continued)

It was noted that the following members had returned from leave of absence:-

Dr. R. A. Restrepo, Department of Mathematics
Dr. G. Rosenbluth, Department of Economics
Dr. A. D. Scott, Department of Economics

Business arising from the Minutes

It was noted that a report from Dean Hall on the Division of International Business Studies would be presented at the October 9, 1974 meeting.

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) Native Indian Teacher Training Program recommended by the Faculty of Education. *(P. 6174-6177)*

Annual Financial Report of the University, March 31, 1974

As required under Section 50 of the Universities Act, the Board of Governors had forwarded to Senate a copy of the Annual Financial Report, Balance Sheet and Financial Statements of the University for the fiscal year ended March 31, 1974. The Chairman stated that a copy of the report could be seen in the Office of the Registrar upon request.

Thursday, September 12, 1974.

Committee on Prizes, Scholarships and Bursaries

Ms. Smaill)
Dr. Stein)

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

Curriculum Committee

Dr. Hardwick presented the report on proposals referred to the committee since the last meeting.

Faculty of Agricultural Sciences (See Appendix 'B')

Dr. Hardwick)
Dr. Kitts)

That new courses and course changes in Agricultural Economics, recommended by the Faculty of Agricultural Sciences be approved.

Carried

Faculty of Arts (See Appendix 'B')

Dr. Hardwick)
Dean Kenny)

That new courses and course changes in English, Hispanic and Italian Studies, Home Economics, Psychology and Theatre, recommended by the Faculty of Arts be approved.

Carried

It was noted that the prerequisite for English 311 should read: "English at the 200 level or equivalent."

Diploma in Art History

In the proposal to offer a Diploma in Art History it was stated that students applying for this program should already have obtained

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee

Diploma in Art History (continued)

a first degree. Rules regarding the Diploma would be the same as those governing the Major for Third and Fourth Years as set out in the Calendar, except that all 15 units must be in art history courses at the 300 level or above. Fine Arts 383, 385, 387, 393, 395, 471 and 477 are excluded. However, Fine Arts 373 (Introduction to Art Theory and Criticism) would be a required course for the Diploma and would be taken by all students unless express permission to the contrary were given.

It was also stated in the proposal that for marks which may be credited towards the Diploma the rules established by the Faculty of Graduate Studies for course work in the M.A. degree would apply. However, the Senate Curriculum Committee had questioned this policy since it was felt that the proposal was a correlation of undergraduate courses and therefore the rules established for undergraduate programs in the Faculty of Arts should apply.

The committee recommended that the proposal be approved but requested that the Faculty of Arts reconsider this policy.

Dr. Hardwick)
Dean Kenny)

That the proposal of the Faculty of Arts to offer a Diploma in Art History through the Department of Fine Arts be approved.

Carried

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee (continued)

School of Home Economics - Human Nutrition Program

A change in requirements for students entering internships had been made by the Canadian Dietetic Association. To accommodate this change some minor alterations in the Human Nutrition Program were necessary. These changes were approved by Senate at its meeting in February 1974 on recommendation of the School of Home Economics. This same question was inadvertently raised again through the Faculty of Arts and prompted criticism related to the availability of elective courses.

Mr. Smolensky)
Dr. Clark)

That the proposal be referred back to the School of Home Economics for reconsideration.

Carried

Faculty of Commerce and Business Administration

Dr. Hardwick)
Dr. Hall)

That the change in title and description of Commerce 369 recommended by the Faculty of Commerce and Business Administration be approved.

Carried

Faculty of Science (See Appendix 'B')

Dr. Hardwick)
Dean Volkoff)

That new courses, course changes, new programs and changes in programs recommended by the Faculty of Science be approved.

Carried

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee

Faculty of Science (continued)

It was pointed out that approval to change the numbers of some 400 level Physiology courses to 500 numbers as outlined in the submission had been withheld pending approval by the Faculty of Graduate Studies.

Zoology 305

In January 1974 Senate approved a change in number of Zoology 305 to Zoology 205. The committee approved a request of the Faculty of Science to offer Zoology 305 during the 1974-75 session in order to avoid problems with Third Year credit for students about to enter the Third Year in Zoology.

Centre for Continuing Education - Revision of the Criminology Certificate Program

Senate was advised that the Academic Policy Committee for the Criminology Certificate Program had approved the following revisions:-

1. That existing credit courses be utilized where available credit courses parallel the Certificate courses.

2. That entrance to the program be entrance to The University of British Columbia, as determined by the Office of the Registrar (currently entrance is by high school graduation or Policy Committee approval).

3. That the program's courses be offered both by lectures/seminars and independent study so that students unable to attend campus-based courses may undertake this program.

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee

Centre for Continuing Education - Revision of the Criminology Certificate Program (continued)

Dr. Hardwick)
Mr. Trevino)

That the revision of the Criminology Certificate Program as recommended by the Centre for Continuing Education be approved.

Carried

Diplomas and Certificates

Dr. Hardwick)
Dr. Bongie)

That a committee be established to examine the principles of granting diplomas and certificates.

Carried

Senate handling of curricular matters

A report regarding Senate handling of curricular matters had been circulated.

At the May meeting of Senate proposals from the Faculty of Education were brought to the Senate Curriculum Committee via the Agenda Committee. After considerable discussion the proposal for the Native Indian Teacher Training Program was adopted by Senate without referral to the Curriculum Committee. At that time the Chairman of Senate suggested that the Curriculum Committee might discuss the program with the Dean of the Faculty of Education to clear up any points of doubt.

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee

Senate handling of curricular matters (continued)

A sub-committee of the Curriculum Committee was established to examine the proposal. The committee noted that there were major changes in the organization of the various components of the regular program. There was considerable re-arrangement of content and in the way in which the content would be presented.

The sub-committee concluded that the proposal was innovative and incorporated many significant changes in the way the program would be offered. In the opinion of the committee this was an 'A' item and under normal circumstances would have been referred to the New Programs sub-committee.

It was stated in the report that it was the understanding of the Senate Curriculum Committee that, under current procedures, all curricular material was to be routed directly to the Curriculum Committee for its expeditious handling. Thus the Senate Curriculum Committee, while recognizing the ultimate decision making authority of Senate, felt it essential to confirm with Senate that, except under exceptional circumstances (about which the Chairman of the Senate Curriculum Committee would be advised) curriculum matters would be referred to Senate through the Curriculum Committee of Senate.

Thursday, September 12, 1974.

Reports of Committees of Senate

Curriculum Committee

Senate handling of curricular matters (continued)

The Chairman requested that members of Senate note the procedures for future handling of curricular matters.

Nominating Committee

Committee on Implementation of the Universities Act

Dr. Webber presented the report.

The committee had been requested by the President to recommend membership for an ad hoc committee on the implementation of the Universities Act. Dr. Webber explained that the Universities Act provided for Senate to establish procedures whereby various elections would be carried out.

Dr. Webber)
Dean Volkoff) *That an ad hoc committee on the implementation of the Universities Act be established.*

Carried

The following membership had been recommended by the committee: -

Dean A. J. McClean - Chairman
Mrs. F. Field
Mr. G. S. Funt
Dr. J. M. Kennedy
Dr. G. Rosenbluth
Dr. R. L. White

Thursday, September 12, 1974.

Reports of Committees of Senate

Nominating Committee

Committee on Implementation of the Universities Act (continued)

Dr. I. S. Ross and Mr. G. J. Peet were also nominated to serve on the committee.

Dr. Gibson)
Dean Gardner) *That nominations close.*

Carried

Dean Finn)
Dean Cowan) *That the recommendations of the Nominating Committee with the addition of Dr. Ross and Mr. Peet be approved.*

Carried

Replacements on Senate Committees

The committee made the following recommendations:

Curriculum
Dr. J. G. Foulks - replacing Dean N. A. Hall
Dr. P. A. Lusztig - replacing Dr. J. M. Norris
Dr. P. Merivale - replacing Mrs. H. W. Sonthoff

Nominating
Dr. C. A. Brockley - replacing Dr. J. M. Norris

University Library
Dr. T. D. Heaver - replacing Dr. R. V. Kubicek

Interdisciplinary Courses and Programs
Dr. R. F. Gray - replacing Dr. R. V. Kubicek

Dr. Webber)
Mrs. Lane) *That the recommendations of the Nominating Committee be approved.*

Carried

Thursday, September 12, 1974.

Reports of Committees of Senate

Nominating Committee (continued)

Representative on Regent College Senate

The Board of Governors of Regent College had invited the Senate of U.B.C. to appoint a representative to the Regent College Senate.

The committee nominated Dr. R. M. Clark.

Dr. Webber)
Dean Volkoff) *That the recommendation of the Nominating Committee be approved.*

Carried

Motion by Mr. Burns

The following motion had been presented to the Agenda Committee by Mr. G. B. Burns:

"That in the future, students will be granted unit credit for any course which is successfully completed."

In the absence of Mr. Burns, Mr. Smolensky spoke briefly to the motion. The intent of the motion was to ensure that students would receive credit for courses passed whereas under the existing system a student taking 15 units must successfully complete at least 9 units to receive any credit at all.

The Agenda Committee had recommended that the motion be referred to the Senate Admissions Committee for investigation in consultation with the various Faculties and report back to Senate.

Thursday, September 12, 1974.

Motion by Mr. Burns (continued)

Dean Andrews)
Mr. Osborne) *That the motion be referred to the Senate Admissions Committee.*

Carried

Other Business

The Chairman extended congratulations to Dean E. Margaret Fulton the new Dean of Women; to Dean D. T. Kenny, President designate; to Deputy President W. M. Armstrong on his appointment as first Chairman of the Universities Council of B. C., and to Mr. G. A. Thom on his appointment as Principal of B.C.I.T.

Report of the Tributes Committee

As the report of the Tributes Committee concerned matters that as a courtesy to those involved should not be released immediately for publication, members of the gallery were asked to leave.

Professors Emeriti

Dean Volkoff reported that the committee recommended the following people be granted emeritus status:-

B. C. Binning
- Professor Emeritus of Fine Arts

E. Chave
- Assistant Professor Emerita of Social Work

D. Derry
- Professor Emeritus of Mathematics

H. Elder
- Professor Emeritus of Architecture

Thursday, September 12, 1974.

Report of the Tributes Committee

Professors Emeriti (continued)

B. Harrison
- Professor Emeritus of History

R. B. Kerr
- Professor Emeritus of Medicine

E. Leimanis
- Professor Emeritus of Mathematics

J. A. McDonald
- Associate Professor Emeritus of Hispanic and Italian Studies

J. A. McRae
- Assistant Professor Emerita of Education

M. A. Ormsby
- Professor Emerita of History

E. Ozard
- Professor Emeritus of Education

W. Meredith Thompson
- Professor Emeritus of English

D. H. Williams
- Professor Emeritus of Medicine

Dean Volkoff)
Mrs. Lecky)

That the recommendations of the Tributes Committee concerning emeritus status be approved.

Carried

Honorary Degrees

The committee recommended that invitations be extended to the following persons to receive honorary degrees at the 1975 Congregation:-

Thursday, September 12, 1974.

Report of the Tributes Committee

Honorary Degrees (continued)

Nathan T. Nemetz, Chancellor of The University of British Columbia and Chief Justice of the Supreme Court of British Columbia

- Degree of Doctor of Laws (Honoris Causa)

Roy Daniells, University Professor of English Language and Literature

- Degree of Doctor of Letters (Honoris Causa)

Dean Volkoff)
Mr. Smolensky) *That the degree of Doctor of Laws (Honoris Causa) be conferred upon Chancellor N. T. Nemetz at the 1975 Congregation ceremonies.*

Carried

Dean Volkoff)
Dean Kenny) *That the degree of Doctor of Letters (Honoris Causa) be conferred upon Dr. R. Daniells at the 1975 Congregation ceremonies.*

Carried

The meeting adjourned at 7.00 p.m.

The next regular meeting of Senate will be held on Wednesday, October 9, 1974.

Secretary

Confirmed,

Chairman

Thursday, September 12, 1974.

APPENDIX 'A'

New Awards Recommended to Senate

The Jean Davidson Arnold Memorial Book Prize - This award has been established in honour of Jean Davidson Arnold, a graduate of this University, and the daughter of one of the pioneer members of the Department of Botany. The award, made annually, will be made to the student in second or third year, who obtains the highest standing in Botany 209 and 210 (a combined average).

The BMI Canada Limited Prize - A cash prize of $50, gift of BMI Canada Limited, Don Mills, Ontario, is offered annually in the Department of Music. It will be awarded to a student studying composition. The winner will be selected by the Department on the basis of proficiency and promise.

The Madge Bolton Bursary Fund - This fund has been established by Fred D. Bolton in honour of Mrs. Madge Bolton. Awards to a total value of $1,000 per year will be made available to students demonstrating financial need combined with satisfactory academic progress. Preference will be given to students whose home is outside the lower mainland.

The Conrad Crocker Memorial Scholarship - A tuition scholarship may be awarded annually to an outstanding student in the Bachelor of Music programme whose talents, abilities and interests give substantial evidence of promise for a career in symphonic and/or chamber music performance. The scholarship has been established through a bequest from the Estate of the late Conrad Crocker, on the wishes of his parents, Mr. and Mrs. C. H. Crocker of Basehor, Kansas, to honour the memory of Mr. Crocker, a dedicated Lecturer in Flute in the Department of Music (1961-74), as well as a distinguished member of the Vancouver Symphony Orchestra during the same years. The award will be made on the recommendation of the Department of Music.

Thursday, September 12, 1974.

APPENDIX 'A'

New Awards Recommended to Senate (continued)

Engineering Physics Scholarship - A scholarship of $500 is offered annually to students who are beginning or continuing studies in third or fourth year Engineering Physics. The award will be made on the basis of academic standing (first class standing) and extra-curricular activities, and will be made on the recommendation of the Department.

The Yvonne Firkins Prize - This prize has been established as a memorial to Yvonne Firkins, and pays tribute to her outstanding contributions to drama and theatre particularly in British Columbia. It will be awarded to the student, preferably in the graduating class in theatre, with the best record of achievement in the course in Direction and Staging. The selection will be made by the Department.

The Law Foundation of British Columbia Bursaries - Bursaries up to a total of $10,000 per annum, the gift of the Law Foundation of British Columbia, will be awarded to students beginning or continuing studies in the Faculty of Law. The awards will be made at the discretion of the University to students with satisfactory academic records who have need for financial assistance.

The Ida and Michael Matoff Bursary - A bursary of approximately $50, established by a gift from the estate of the late Ida Matoff, will be awarded annually to a needy student in the Department of Music.

The Real Estate Board of Greater Vancouver Graduate Scholarship - A scholarship in the amount of $500 donated by the Real Estate Board of Greater Vancouver will be awarded annually to a student entering the second year of a Masters program in the School of Community and Regional Planning. The award will be made on the recommendation of the Director of the School to a student who is working on a thesis on urban development planning preferably with emphasis on land economics.

The Dr. C. W. Roberts Poultry Bursary - A bursary of $25, donated by D. E. Bernon, will be awarded to an undergraduate student in Poultry Science selected by the Department. This bursary has been established to give recognition to Dr. Roberts for the help he has given to many students.

Thursday, September 12, 1974.

APPENDIX 'B'

Course and Curriculum Proposals

A = new courses or substantial changes
B = minor changes (approved unless otherwise indicated)

FACULTY OF AGRICULTURAL SCIENCES

Agricultural Economics

A	New courses	Ag.Ec. 260 (1½)	Introduction to Analytical Methods in Agricultural Economics
		Ag.Ec. 262 (1½)	Linear Programming in Agriculture
		Ag.Ec. 416 (1½)	Economics of Horticultural Crops
		Ag.Ec. 420 (1½)	Agricultural Policy: - Goals, Policies and Programs for Agriculture in B.C. and Canada
A	Changes	Ag.Ec. 300 (3)	to be divided into two courses, Ag.Ec. 301 and Ag.Ec. 302:-
		Ag.Ec. 301 (1½)	Farm Management I
		Ag.Ec. 302 (1½)	Farm Management II
B	Changes	Ag.Ec. 258 -	change in title and description
		Ag.Ec. 307 -	change in number to 407 and change in prerequisites and hours
		Ag.Ec. 311 -	change in number to 411
		Ag.Ec. 406 -	change in number to 306; prerequisite changed to 258
		Ag.Ec. 415 -	calendar corrected to show hours
A	Deletions	Ag.Ec. 101, 320 and 408	

Thursday, September 12, 1974.

APPENDIX 'B'

Course and Curriculum Proposals (continued)

FACULTY OF ARTS

English

B	Change	English 311 - change in description	

Hispanic and Italian Studies

A	New courses	Portuguese 100 (3)	First Year Portuguese
		Portuguese 200 (3)	Second Year Portuguese
		Portuguese 301 (3)	Advanced Language Study, Survey of Luso-Brazilian History and Literature
B	Changes	Spanish 223 - change in title and description	
		Spanish 320 - change in description	
A	Deletions	Portuguese 300 and 400	

Home Economics

B	Change	Home Economics 407 - change in unit value from ($1\frac{1}{2}$) to (3)	
A	Deletions	Home Economics 409 and 464	

Psychology

A	New course	Psychology 220 (3)	Experimental Psychology and Laboratory
B	Changes	Psychology 326 - change in description	
		Psychology 407 - change in description and unit value from ($1\frac{1}{2}$-3) to (3)	

Theatre

B	Change	Theatre 301 - change in title and description	

Thursday, September 12, 1974.

APPENDIX 'B'

Course and Curriculum Proposals (continued)

FACULTY OF SCIENCE

Botany

B Changes Botany 402 and 440 - change in hours

Geophysics and Astronomy

A New course Geophysics 210 (3) The Planets

Mathematics

B Changes Mathematics 120, 220 and 310 - change in description

Physics

A New course Physics 135 ($1\frac{1}{2}$) Laboratory Course in Basic Physics

A Change Physics 419 - change in description and unit value from (2) to (1-3)

Physiology

A New course Physiology 401 ($4\frac{1}{2}$) Advanced Mammalian Physiology

New Programs and Program Changes

Computer Science

A New Program - Combined Honours in Computer Science and a subject other than Mathematics #

First Year		Second Year	
English 100	(3)	+ Computer Science 310	(3)
Mathematics 100, 121	(3)	Mathematics 200, 221, 222	(5)
Physics 110, 115 or 120	(3)	* Electives and other Department	(7-10)
Chemistry 110 or 120	(3)		
+ Computer Science 210	(3)		
	(15)		(15-18)

Thursday, September 12, 1974.

APPENDIX 'B'

New Programs and Program Changes

FACULTY OF SCIENCE

Computer Science

A New Program - Combined Honours in Computer Science and a subject other than Mathematics # (continued)

Third and Fourth Years

Computer Science 302, 320	(4½)
** Other Computer Science Courses	(10½)
Other department	(15)
Elective	(3-6)
	(33-36)

The complete program must be approved by both departments involved.
+ Computer Science 210 and 310 may be deferred to 2nd and 3rd year.
* Mathematics 120 is recommended, to keep open the possibility of entering other programmes.
** These courses would be chosen in consultation with advisors in the two departments. When appropriate, up to 3 units of Mathematics may be substituted for Computer Science courses.

Geophysics and Astronomy

B Change in Major Astronomy, Third Year - substitute Physics 328 for Physics 308

B Change in Major Geophysics, Third Year - substitute Mathematics 315 (1½) and Physics 312 (1½) (or Mathematics 301 (3)) for Mathematics 301 (3) (or Mathematics 315/316)

Mathematics

A Addition to Major Mathematics, Second Year - the new Major Mathematics is as follows:

Mathematics 100, 120, 121	(4)
Mathematics 200, 220, 221, 222	(6)
And 15 units of Mathematics courses numbered 300 and above *	(15)
	(25)

* 3 of these units may be in a related area, to be selected in consultation with the Head of the Department.

Thursday, September 12, 1974.

APPENDIX 'B'

New Programs and Program Changes

FACULTY OF SCIENCE (continued)

Physics

A New Program - Combined Honours Physics and Computer Science

First Year		Second Year	
Physics 110, 115 or 120	(3)	Physics 204/209/210	(6)
Computer Science 210 #	(3)	Computer Science 310 #	(3)
Mathematics 100/121	(3)	Mathematics 200/221/222 *	(5)
Chemistry 110 or 120	(3)	Arts Elective	(3)
English 100	(3)		
	(15)		(17)

Third Year		Fourth Year	
Physics 301/308/312	(5½)	Physics 402	(3)
Physics 306 and 309 or		One of Physics 403, 409 or 406/407/408	(3)
Physics 302/309/310	(3)	Computer Science 402	(3)
Computer Science 302/320	(4½)	Additional Comp. Sc. **	(4½)
Computer Science 313 #	(1½)	Elective **	(1½)
Mathematics 315	(1½)	Arts elective **	(3)
	(16)		(18)

May be delayed by one year, provided that an Arts Elective is taken in First Year.

* Students can cover the prerequisites for Honours programs in Physics, Mathematics, and Computer Science, and Combined Honours between any pair, by adding Mathematics 120/220 in First and Second years. Extra units taken here can be counted as part of the free elective in Fourth year.

** 1½ units from these courses may be taken in Third year.

Thursday, September 12, 1974.

APPENDIX 'B'

New Programs and Program Changes

FACULTY OF SCIENCE (continued)

Physiology

A Change in Honours Physiology, Fourth Year

Physiology 401	(4½)
Physiology 430	(3)
Physiology 440	(1½)
Physiology 449	(3)
Electives	(4½)
	(16½)

This change is required for the introduction of the new comprehensive course Physiology 401. Physiology 401 replaces the courses Physiology 421-427.

A Change in Combined Honours B.Sc./M.D. or D.M.D. Fourth Year

Anatomy 400	(3)
Anatomy 401	(3)
Physiology 401	(4½)
Physiology 430	(3)
Physiology 449	(3)
	(16½)

The above change is necessary to permit students on the Combined Honours program to take the new course Physiology 401, which replaces the courses Physiology 421-427.