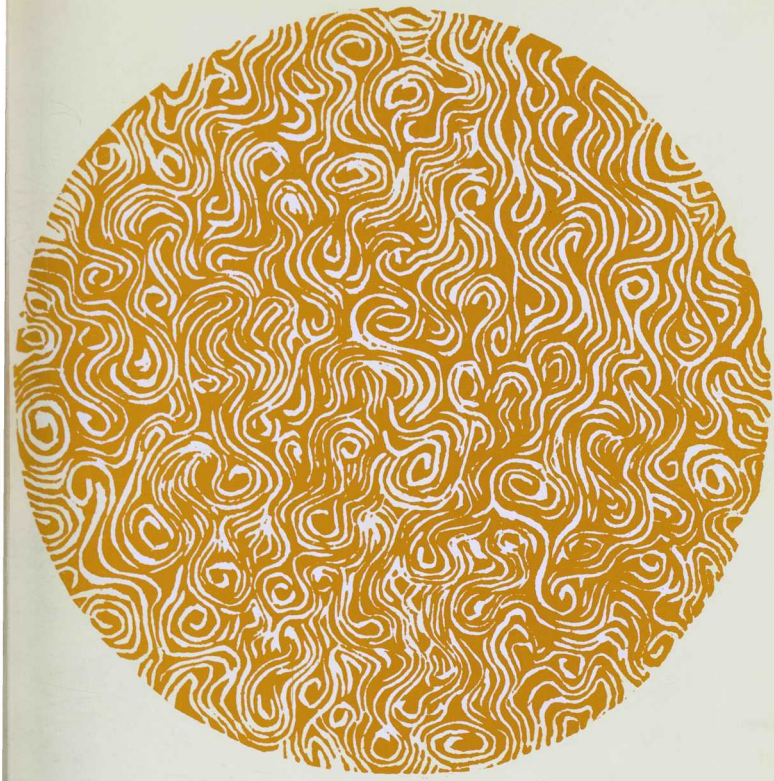

SUMMER SESSION 1967

THE UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER 8, BRITISH COLUMBIA

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REGULATIONS AFFECTING REGISTRATION IN CREDIT COURSES

1. Last day for registration without late fee, May 1; late fee $20.00.
2. Last day for registration with late fee, June 1.
3. Students enrolled in regular Winter Session 1966-67 will be permitted to register to June 15 on payment of the late registration fee.

A REQUEST FOR A SUMMER SESSION CALENDAR DOES NOT CONSTITUTE APPLICATION FOR ADMISSION

NEW STUDENTS

Obtain from the Office of the Registrar an *Application for Admission* form and registration material and return together with the necessary documents, photographs and fees, *before April 3.*

FORMER STUDENTS

Obtain from the Office of the Registrar registration material and return it to this Office together with payment for fees before May 1. Students permitted to register late will be assessed the late registration fee.

IMPORTANT NOTICE ON CHANGE OF REGULATIONS

The Department of Education has withdrawn the requirement of 6 units for permanent certification for teachers holding the E.A. or higher certificate trained outside this province and has also withdrawn the requirement for graduates of the one-year training following the Bachelor's Degree—effective immediately.

Cover Design by John Waite, student in Graphic Arts, Faculty of Education.

PUBLICATIONS OF THE UNIVERSITY OF BRITISH COLUMBIA

Announcement of The Summer Session

SUPPLEMENT TO CALENDAR 1966-67

Forty-eighth Session: JULY 3 to AUGUST 18, 1967

The University of British Columbia

VANCOUVER 8, CANADA Vol. 52, GENERAL SERIES No. 3

SUMMER SESSION, 1967

DATES

April		
3	Monday	Students who have not previously attended the University should have made application and submitted all necessary documents by this date.
May		
1	Monday	Class lists for courses in which enrolment is limited will be determined on this date; space will be reserved only for students whose fees are paid in full by this date; no assurance can be given that any registration will be accepted for such courses after this date. Last day for registration without late penalty.
June		
1	Thursday	Last day for registration. (Late fee assessed after May 1.)
July		
3	Monday	*Last permissible day for changes in students' courses; a $5.00 fee will be assessed for each change in course. Lectures begin at 8:15 a.m.
4	Tuesday	*All changes in registration for courses must be reported to the Registrar's Office by this date.*
10	Monday	First of series of Library Instruction Lectures Bu.106 at 10:25, 1:30. Series continues Tues. at same hours.
August		
16	Wednesday	Last day of lectures.
17	Thursday	Final Examinations. There will be three examination periods each day, the third commencing in the late afternoon.
18	Friday	

*The last day for registration is June 1. Courses may, in some cases, be changed on July 3 but such changes must be reported by July 4 and students *must* be in attendance on July 4 in classes for which they are registered. Each subject or course change will, if permitted, be subject to an assessment of $5.00. A late registration fee of $20.00 will be assessed all students registering after May 1.

The University will be closed all day each Saturday.

TIME TABLE OF LECTURES, CREDIT COURSES

Classroom assignments for lectures will be posted in the main buildings and on notice boards throughout the campus on the week-end preceding the commencement of the Session.

Monday to Friday Inclusive

Course

8:15 a.m. - 10:10 a.m.

Anthropology 300
Biology 101, Lecture, M.T.W.Th.
Tutorial, F.
Biology 235, Lecture,
9:10 a.m. - 10:10 a.m.
Chemistry 230, Lecture
Commerce 151
Commerce 371
Creative Writing 201
Economics 200
Economics 306
Education 200
Education 308, Section 1
Education 309, Section A
Education 331, Section A
Education 332, Section A
Education 333, Lecture
Education 400, Section A
Education 404 - English,
July 3-25 inclusive
Education 404 - Geography,
July 26-August 18 inclusive
Education 404 - Home Economics,
Section 1, Laboratory
Education 404 - Mathematics,
July 26-August 18 inclusive
Education 405, Section 1
Education 407, Section 1
Education 410 - Home Ec., July 3-25
Education 410 - Ind. Ed.,
July 3-August 18
Education 414, Section I (Elementary)
Education 415, Section A
Education 430, Section A
Education 432
Education 435 - Ind. Arts, July 3-25
Education 435 - Home Ec.,
July 26-August 18
Education 462, Lecture
Education 470, Section 1
Education 491
Education 508 - Mathematics
Education 552
Education 565 - English
English 200, Section A
English 303, Section A
English 304, Section 1
English 309
English 311, Section A
English 340
English 392
English 454
Fine Arts 228, Lecture
Fine Arts 301, Lecture
Fine Arts 305, Lecture
Fine Arts 401, Lecture
Fine Arts 405, Lecture
Fine Arts 415, Lecture
French 110, Section 1
French 120
French 210, Section 1
French 223
French 302
French 304
French 415
Geography 101 (Laboratory to be
arranged)
Geography 408
Geology 105, Lecture
German 100
German 401
History 212
History 407
History 426
History 429
Home Economics 105, Lecture
Home Economics 300, Lecture
Italian 100
Latin 120/200/210/220/403/522
Mathematics 120
Mathematics 200
Mathematics 306
Mathematics 307
Mathematics 530
Microbiology 301, Lecture
Music 320
Physical Education 101,
9:15 a.m. - 10:10 a.m.
Physical Education 201,
8:15 a.m. - 9:10 a.m.
Physical Education 260,
8:15 a.m. - 9:10 a.m.
Physical Education 262,
9:15 a.m. - 10:10 a.m.
Physical Education 460,
8:15 a.m. - 9:10 a.m.
Physics 200, Lecture
Physics 308, Lecture
Physics 400
Psychology 100
Psychology 200, M.T.Th.F.
Psychology 206
Psychology 305
Psychology 409
Russian 100
Sociology 200
Sociology 430
Spanish 100, Section 1
Spanish 200, Section 1
Theatre 300

Course

Anthropology 302
Asian Studies 330
Biology 235, Laboratory
Chemistry 101, Lecture
Chemistry 310, Lecture
Classical Studies 331
Classical Studies 430
Commerce 201, Lecture
(Laboratory to be arranged)
Commerce 362, July 3-25 inclusive
Commerce 363,
July 26-August 18 inclusive
Commerce 376
Economics 300
Education 301
Education 307
Education 308, Section 2
Education 309, Section B
Education 331, Section B
Education 332, Section B
Education 333, Laboratory
Education 390
Education 400, Section B
Education 403, July 3-25 inclusive
Education 404 - French,
July 3-25 inclusive
Education 404 - Health & Physical Ed.,
July 3-25 inclusive
Education 404 - History & Social
Studies, July 3-25 inclusive
Education 404 - Home Economics,
Section 2, Laboratory
Education 405, Section 2
Education 407, Section 2
Education 409
Education 411
Education 414, Section 2 (Secondary)
Education 415, Section B
Education 416
Education 419
Education 430, Section B
Education 431, July 26-August 18
Education 462, Laboratory
Education 470, Section 2
Education 481,
11:30 a.m. - 12:20 p.m.
Education 482,
10:25 a.m. - 11:30 a.m.
Education 508 - History & Geography
Education 514
Education 519
Education 530
Education 535
Education 536
Education 562, July 3-25 inclusive
Education 563,
July 26-August 18 inclusive
Education 565 - Physics, Lecture
& Laboratory

Course

10:25 a.m. - 12:20 p.m.

Education 576
Education 590
Education 591
English 200, Section B
English 303, Section B
English 304, Section 2
English 311, Section B
English 321
English 355
English 366
English 380
English 391
English 420
English 440
English 530
Fine Arts 101
Fine Arts 228, Laboratory
Fine Arts 301, Laboratory
Fine Arts 305, Laboratory
Fine Arts 325
Fine Arts 401, Laboratory
Fine Arts 405, Laboratory
Fine Arts 415, Laboratory
French 110, Section 2
French 210, Section 2
French 220
French 306
French 409
Geography 100
(Laboratory to be arranged)
Geography 307
Geography 407
Geology 105, Laboratory
German 200
German 350
History 202
History 304
History 310
History 318
History 326
Home Economics 101, Lecture
Home Economics 403, Lecture
Mathematics 202
Mathematics 300
Mathematics 302
Mathematics 411
Mathematics 531
Microbiology 301, Laboratory
Music 302
Music 303
Philosophy 100
Philosophy 212
Physical Education 210,
11:25 a.m. - 12:20 p.m.,
July 3-25 inclusive
Physical Education 230,
12:30 p.m. - 1:25 p.m.,
July 26-August 18 inclusive
Physical Education 243,

Course

10:25 a.m. - 11:20 a.m.,
July 3-25 inclusive

Physical Education 244,
11:25 a.m. - 12:20 p.m.,
July 26-August 18 inclusive

Physical Education 301,
10:25 a.m. - 11:20 a.m.,
July 26-August 18 inclusive

Physical Education 310,
10:25 a.m. - 11:20 a.m.,
July 3-25 inclusive

Physical Education 330,
12:30 p.m. - 1:25 p.m.,
July 3-25 inclusive

Physical Education 343,
10:25 a.m. - 11:20 a.m.,
July 26-August 18 inclusive

Course

Physical Education 361,
11:25 a.m. - 12:20 p.m.,
Lecture

Physics 110, Lecture

Political Science 200

Political Science 300

Psychology 400

Russian 300

Spanish 100, Section 2

Spanish 200, Section 2

Theatre 301

Theatre 320

Zoology 202, Lecture

Zoology 311, Lecture,
July 3-25 inclusive

Zoology 402, Lecture,
July 26-August 18 inclusive.

1:30 p.m. - 3:30 p.m.

Asian Studies 320

Biology 101, Laboratory,
1:30 p.m. - 4:30 p.m., M.T.W.Th.

Botany 303, Lecture

Botany 330, Lecture, M.T.W.Th.
Laboratory, F.

Chemistry 101, Laboratory
1:30 p.m. - 4:30 p.m.

Chemistry 230, Laboratory,
1:30 p.m. - 4:30 p.m.

Chemistry 310, Laboratory,
1:30 p.m. - 4:30 p.m.

Commerce 391, Lecture

Education 305, Lecture & Laboratory
1:30 p.m. - 5:45 p.m.

Education 331, Section C

Education 332, Section C

Education 334

Education 400, Section C

Education 404 - Home Economics,
Section 1, M.T.W.F., 1:30 - 2:30,
Lecture
Section 2, M.W.Th.F., 1:30 - 2:30,
Lecture

Education 409, Laboratory

Education 412

Education 418

Education 492

Education 508 - Reading

Education 556, July 3-25 inclusive

Education 557,
July 26-August 18 inclusive

Education 558,
July 26-August 18 inclusive

Education 578

English 100

English 200, Section C

English 365

English 429

Fine Arts 125

Fine Arts 300,
1:30 p.m. - 5:30 p.m.

Fine Arts 307, Lecture

Fine Arts 402, Lecture

Fine Arts 407, Lecture

Fine Arts 417, Lecture

Geography 306

Home Economics 101, Laboratory,
M.W., 1:30 - 4:30

Home Economics 105, Laboratory,
T.Th., 1:30 - 4:30

Home Economics 300, Laboratory,
T.Th., 1:30 - 3:30

Home Economics 403, Laboratory,
M.W., 1:30 - 4:30

Mathematics 203

Mathematics 308

Mathematics 321

Mathematics 535

Microbiology 200, Lecture

Music 326

Physical Education 218,
2:35 p.m. - 3:30 p.m.,
July 26-August 18 inclusive

Physical Education 219,
2:35 p.m. - 3:30 p.m.,
July 3-25 inclusive

Physical Education 220,
1:30 p.m. - 2:25 p.m.,
July 3-25 inclusive

Physical Education 240,
1:30 p.m. - 2:25 p.m.,
July 26-August 18 inclusive

Physical Education 242,
2:35 p.m. - 3:30 p.m.,
July 26-August 18 inclusive

Physical Education 250,
2:35 p.m. - 3:30 p.m.,
July 3-25 inclusive

Physical Education 316,
1:30 p.m. - 2:25 p.m.,
July 26-August 18 inclusive

Physics 110, Laboratory,
1:30 p.m. - 4:30 p.m., M.T.W.Th.
Physics 200, Laboratory,
1:30 p.m. - 4:30 p.m., M.T.W.Th.

Physics 308, Laboratory,
1:30 p.m. - 4:30 p.m., M.T.W.Th.

Zoology 202, Laboratory,
2:30 p.m. - 5:30 p.m. M.T.W.Th.
Zoology 311, Laboratory,
July 3-25 inclusive
Zoology 402, Laboratory,
July 26-August 18 inclusive

3:45 p.m. - 5:45 p.m.

Course

Botany 303, Laboratory
Botany 330, Laboratory, M.W.
Commerce 391, Laboratory
Fine Arts 307, Laboratory
Fine Arts 402, Laboratory
Fine Arts 407, Laboratory
Fine Arts 417, Laboratory
Microbiology 200, Laboratory

Course

Physical Education 213,
3:45 p.m. - 4:40 p.m.,
July 26-August 18 inclusive
Physical Education 251,
3:45 p.m. - 4:40 p.m.,
July 3-25 inclusive
Physical Education 361, Laboratory,
T., 4:30 p.m. - 6:30 p.m.

NOTES:

Examination Schedule

8:30 a.m., Thursday, August 17—courses in which lectures scheduled during session in period 8:15-10:10 a.m., except sectioned classes.

12:00 noon, Thursday, August 17—English 100, English 200, English 303, English 304.

3:30 p.m., Thursday, August 17—courses scheduled in lecture period 1:30-3:30 p.m., except sectioned classes.

8:30 a.m., Friday, August 18—courses scheduled in lecture period 10:25 a.m.-12:20 p.m., except sectioned classes.

12:00 noon and 3:00 p.m., Friday, August 18—reserved for examinations as needed to meet special requirements, including courses in which classes are sectioned.

Physical Education Activity Courses

The examinations for courses scheduled from July 3 to July 24 inclusive will be held on July 25.

The examinations for courses scheduled from July 26 to August 16 inclusive will be held on August 17 or 18.

All classes meet initially in the War Memorial Gymnasium.

Language Laboratory — Faculty of Arts

The Language Laboratory, Bu. 114-118, will offer selected programmes weekly for students of foreign language who wish to supplement classroom instruction by additional practice in the laboratory.

All programmes scheduled will be available on request *four* hours daily between 9:15 a.m. and 2:30 p.m., without regular monitoring or registered attendance.

REGULATIONS AFFECTING COURSE CHANGES

Any change in study programme will incur an additional fee assessment of $5.00. Preliminary study is essential for each Summer Session course if the normal course content is to be covered in the time available during the summer. Prospective Summer Session students must, therefore, commit themselves to their programmes of study by the last day for registration, May 1 (June 1 for students who have paid the late registration fee).

Changes in registration, where permitted, must be made on the first day of lectures, July 3, and reported to the Registrar's Office not later than July 4. Each such change will be assessed a fee of $5.00 that must be paid before a *class card* will be issued for the course to be taken. Course changes necessitated by oversubscription in enrolment or the dropping of courses by the University will not incur additional fee assessments.

REGULATIONS AFFECTING SUPPLEMENTAL EXAMINATIONS

It is anticipated that supplemental examinations will be held on the afternoon of Friday, December 8, 1967, at 3:30 p.m. Students who cannot write the examination at the University will have the opportunity of writing at one of various centres throughout the Province. In exceptional circumstances special centres will be established.

REGISTRATION IN COURSES WITH A LIMITED ENROLMENT

Students registering in these courses are strongly advised to indicate a second choice in the event that a course has reached its capacity.

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English

LESLIE F. ASHLEY, B.Ed., M.Ed., Instructor.
BRIAN N. BALL, M.A., Lecturer, Doncaster College of Education.
ALWYN BERLAND, M.A., M.Litt., Professor; Chairman, University of Saskatchewan (Regina).
MRS. MARGARET BLOM, B.A., M.A., Ph.D., Lecturer.
FREDERICK BOWERS, B.A., M.A., Assistant Professor.
HARRY DICKSON, B.A., M.A., Lecturer.
MISS MARION J. DOROSH, B.A., B.L.S., Lecturer.
WILLIAM E. FREDEMAN, B.A., M.A., Ph.D., Associate Professor.
MICHAEL GOLDBERG, B.A., M.A., Ph.D., Assistant Professor.
MRS. RONA HADDON, B.A., M.A., Lecturer.
JAMES A. HART, B.A., M.A., Ph.D., Assistant Professor.
REGINALD W. INGRAM, M.A., Ph.D., Associate Professor.
CARL F. KLINCK, B.A., Ph.D., Senior Professor of English, The University of Western Ontario.
LEWIS M. LAYMAN, B.A., M.A., Lecturer.
SEYMOUR LEVITAN, B.A., M.A., Instructor.
MRS. ADELIA LIVESEY, M.A., Instructor.
MRS. MABEL L. MACKENZIE, M.A., Ph.D., Associate Professor.
C. FRED MACRAE, B.A., Ph.D., Professor, University of Waterloo.

MRS. MOREAH McCREADY, B.Ed., Lecturer.
DAVID S. McNEAL, B.A., M.A., Lecturer.
G. R. MORISSET, B.Ed., M.A., Assistant Professor, University of Calgary.
MARTIN K. NURMI, B.A., Ph.D., Professor and Dean of Graduate Studies, Kent State University.
HOLGER O. NYGARD, B.A., M.A., Ph.D., Professor, Duke University, Durham, North Carolina.
MRS. MARGARET NYGARD, B.A., M.A., Ph.D., Durham, North Carolina, Lecturer.
MRS. INA ROBERTSON, B.A., M.A., Lecturer.
HERBERT ROSENGARTEN, M.A., B.Litt., Assistant Professor.
MRS. MAUDE ROSS, B.A., M.A., Ph.D., Lecturer.
ROGER SEAMON, B.A., M.A., Ph.D., Assistant Professor.
LLOYD SIEMENS, B.A., B.Paed., M.A., Ph.D., Assistant Professor.
REYNOLD SIEMENS, B.A., M.A., Ph.D., Assistant Professor, University of Alberta.
MRS. NORA SINCLAIR, B.Ed., M.A., Assistant Professor.
MRS. KATHLEEN STOCKHOLDER, B.A., M.A., Ph.D., Lecturer.
PETER A. TAYLOR, B.A., M.A., Ph.D., Assistant Professor.
JACOB WIGOD, B.A., M.A., Ph.D., Associate Professor.
EDWARD YEOMANS, B.A., M.A., Assistant Professor.

Fine Arts

FREDERICK N. ANDERSON, B.A., M.F.A., Associate Professor, University of Washington.
SAM BLACK, R.S.W., D.A., A.T.D., Professor.
RALPH DE COURSEY, B.A., M.M., Lecturer.
MISS HELEN DIEMERT, B.A., M.A., D.Ed., University of Alberta, Edmonton.
W. HERBERT GILBERT, B.A., Assistant Professor.
MRS. PENNY GOULDSTONE, A.T.D., Assistant Professor.
HENDRIK J. HORN, B.A., Instructor.
J. A. S. MacDONALD, Dip. V.S.A., Associate Professor.
IAN S. McNAIRN, B.A., Associate Professor.
R. STEELE, B.A., B.Ed., Assistant Professor.

French

IVOR A. ARNOLD, B.A., M.A., Instructor.
FATHER LOUIS BARJON, L. ès L, Agrégé des Lettres, Professor, Paris.
DOMINIQUE BAUDOUIN, Agrégé des Lettres (Grammaire), Assistant Professor.
KATHERINE T. BREARLEY, B.A., M.A., Docteur de l'Université de Paris, Assistant Professor.
MISS DOROTHY DALLAS, M.A., Docteur de l'Université de Paris, Professor.
FRANK R. HAMLIN, B.A., Ph.D., Assistant Professor.
RICHARD G. C. HOLDAWAY, B.A., Ph.D., Assistant Professor.
DAVID J. NIEDERAUER, A.B., M.A., Ph.D., Assistant Professor.
JAMES PANTER, B.A., M.A., Instructor.
MISS HELEN M. C. PURKIS, B.A., M.A., Assistant Professor.
CLAUDE TREIL, B.A., M.A., Ph.D., Associate Professor, Dalhousie University.
MISS RUTH L. WHITE, B.A., Docteur de l'Université de Paris, Assistant Professor.

Geography

JOHN CUNNINGHAM, A.B., Ph.D., Assistant Professor, Western New Mexico University.
NED H. GREENWOOD, B.A., Ph.D., Assistant Professor, San Diego State College.
W. GILLIES ROSS, B.A., M.A., Ph.D., Assistant Professor, Bishop's University, Lennoxville.
MISS MARJORIE WRIGHT, B.A., Ph.D., Assistant Professor, Macdonald College.

J. W. HOUSE, Ph.D., Professor and Head, Geography Department, University of Newcastle, Newcastle-on-Tyne.
J. M. HOUSTON, Ph.D., Professor, Department of Geography, Oxford, England.

Geology

WILLARD G. LIBBY, B.S., M.S., Ph.D., Lecturer.

German

RONALD C. BEAUMONT, B.A., M.A., Assistant Professor.
EBERHARD FREY, M.A., Instructor.
CHARLES N. GENNO, M.A., Ph.D., Assistant Professor, University of Toronto.
JAMES A. McNEELY, B.A., M.A., Ph.D., Associate Professor.

History

MISS A. JEAN ELDER, B.A., Ph.D., Assistant Professor.
DONALD E. EMERSON, A.B., A.M., Ph.D., Associate Professor, University of Washington.
WILLIAM B. HAMILTON, B.A., M.A., Ph.D., Professor, Duke University.
GERALD A. J. HODGETT, M.A., F.R.Hist.S., Reader in History, University of London.
CHARLES W. HUMPHRIES, B.A., M.A., Ph.D., Assistant Professor.
LAWRENCE B. LEE, B.S., M.A., Ph.D., Professor, San Jose State College.
DWIGHT L. SMITH, A.B., A.M. Ph.D., Research Professor, Miami University.
LESLIE F. S. UPTON, B.A. Hons., Ph.D., Associate Professor.

Home Economics

MISS RUBY W. SMITH, B.Ed., M.A., Ph.D., Assistant Professor, Purdue University.
DAVID A. STEARNS, B.S., M.A., Instructor of Interior Design, College of Home Economics, University of Tennessee.

Italian

MISS RACHEL GIESE, M.A., Ph.D., Associate Professor.

Latin

ERIC W. MARSDEN, M.A., Ph.D., Lecturer, School of Classics, University of Liverpool.

Mathematics

ROBERT A. ADAMS, B.Sc., M.A., Ph.D., Assistant Professor.
THOMAS BATES, B.Sc., M.Ed., Instructor.
MARSHALL BERGSMA, B.A., Lecturer.
DAVID W. BRESSLER, M.A., Ph.D., Assistant Professor.
BOMSHIK CHANG, M.A., Ph.D., Assistant Professor.
JAMES C. DAVIS, M.A., Instructor, Mesa College, Colorado.
ALBERT J. FRODERBERG, M.Sc., Ph.D., Assistant Professor.
NICHOLAS D. KAZARINOFF, Ph.D., University of Michigan.
JAMES A. M. KENNERLEY, A.M., B.Sc., Assistant Professor of Mathematics, University of New Brunswick.
EIZENS LEIMANIS, Mag.Math., Dr.Rer.Nat., Professor.
ELOD MACSKASY, Cand.Sc., Assistant Professor.
EARL D. ROGAK, B.Ch.E., M.S.E., Ph.D., Assistant Professor.
PAUL G. ROONEY, B.Sc., Ph.D., Professor, University of Toronto.
JAMES E. SMITH, B.A., B.Ed., Associate Professor.
ERNST SNAPPER, Ph.D., Dartmouth College.

Microbiology

JEKABS BISMANIS, M.D., Dtp.Bact., Associate Professor.
MRS. JULIA GERWING, B.A., Ph.D., Assistant Professor.
JOHN J. STOCK, B.S.A., M.Sc., Ph.D., Associate Professor.

Music

HARRY ADASKIN, Professor of Violin.
DONALD GIBBARD, M.A., Associate Professor.
JOHN A. LOBAN, A.B., M.A., Assistant Professor.
M. W. ROSE, B.S.A., M.A., Assistant Professor.
FRENCH TICKNER, Assistant Professor and Director of the Opera Workshop.

Philosophy

HOWARD O. JACKSON, B.Sc., Assistant Professor.
WARREN J. MULLINS, A.B., M.A., Ph.D., Associate Professor.

Physical Education

MRS. BONNIE GORDON, B.A., M.Sc., Instructor.
JOSEPH R. JOHNSON, B.P.E., M.P.E., Assistant Professor.
ROBERT G. HINDMARCH, B.P.E., M.S., Ed.D., Associate Professor.
MRS. MARIAN E. M. PENNEY, B.A., M.A., Associate Professor.
JACK B. POMFRET, B.Sc., M.S., Associate Professor.
LIONEL PUGH, B.A., D.P.E., Assistant Professor.
MISS BARBARA SCHRODT, B.P.E., M.S., Assistant Professor.
GRANT VINCENT, Dip. Imperial Soc. of Teachers of Dancing, Lecturer.
H. DOUGLAS WHITTLE, B.P.H.E., M.Sc., Ph.D., Professor.

Physics

MRS. BETTY HOWARD, B.Sc., D.Phil., Assistant Professor.
LUIS SOBRINO, M.Sc., Sc.D., Associate Professor.

Political Science

WILLIAM P. IRWIN, B.A., M.A., Ph.D., Professor and Head of the Department of Political Science, Western Reserve University.
DONALD V. SMILEY, M.Ed., M.A., Ph.D., Professor.

Psychology

ROBERT E. KNOX, B.A., M.A., Ph.D., Assistant Professor.
DONALD C. G. MACKAY, B.A., M.A., Ph.D., Associate Professor.
DEMETRIOS PAPAGEORGIS, A.B., M.A., Ph.D., Associate Professor.
GEORGE A. RAYMOND, B.Sc., Sc.M., Ph.D., Assistant Professor.
EDRO I. SIGNORI, M.A., Ph.D., Professor.
THOMAS F. STORM, B.A., M.Sc., Ph.D., Associate Professor.

Russian

JAN J. SOLECKI, B.Com., M.A., Assistant Professor.
ALEXANDER F. ZWEERS, Drs (doctorandus), Instructor.

Sociology

FRANK E. JONES, B.A., M.A., Ph.D., Professor, McMaster University.
JERRY M. ROSENBERG, Ph.D., Assistant Professor, Teachers' College, Columbia University.

Spanish

KARL KOBBERVIG, B.A., Ph.D., Associate Professor.
J. A. McDONALD, M.A., Associate Professor.
MISS MARIA G. TOMSICH, M.A., Instructor.

Theatre

MOYRA K. MULHOLLAND, B.A., M.A., Lecturer.
DONALD E. SOULE, B.A., M.A., Ph.D., Associate Professor.
MISS JANE S. STEVENSON, L.R.A.M., L.G.S.M., A.L.A.M., Assistant Professor.

Zoology

DAVID M. SCOTT, B.Sc., Ph.D., Professor, University of Western Ontario.
GEOFFREY G. E. SCUDDER, B.Sc., D. Phil., Associate Professor.

Admission, Registration and Attendance

CREDIT COURSES

For requirements for admission to the University, information in regard to attendance, and regulations governing courses, see the University Calendar.

The University reserves the right to limit attendance, and to limit the registration in, or to cancel, any of the courses listed.

REGISTRATION PROCEDURE. (Registration will be denied any applicant who does not comply with the regulations listed below.)

1. Application:

(a) Students registering in the University for the first time:
Obtain from the Registrar's Office an *Application for Admission* form. Return this, duly completed, together with certified copies of ALL University Entrance Certificates and any higher certificates possessed not later than April 3. School teachers taking courses for credit either toward a university degree or toward teacher certification must present official transcripts of their matriculation standing, of their professional training and of any university work already completed. British Columbia teachers who have not completed their professional training at the University of British Columbia or the University of Victoria (formerly Victoria College) or Simon Fraser University must, in addition, request the Registrar, Department of Education, Victoria, B.C., to forward to the Records Office of the Faculty of Education a Transfer of Credit statement certifying their status as teachers in this province, *if this has not been done previously*. This statement should be requested early in order that you enrol before the April 3 deadline.

(b) Students who have previously registered in the University:
Apply by letter stating Session last attended, and programme to which admission is being sought.

2. Registration:

(a) Registration material will be sent upon request; registration cards must be completed fully, including courses to be taken (and section number if section is indicated), and returned to the Registrar's Office. Students are reminded that it is their responsibility to ensure that the courses elected are applicable to their programmes.

(b) Registration will not be considered complete unless the registration cards are accompanied by a certified cheque or a postal or bank money-order to cover the total fee assessed.

(c) **All registrants who have not completed registration by May 1 will be assessed the late registration fee of $20.00; no registration will be accepted after June 1.**

(d) A student who has established his eligibility for admission and who has completed registration will receive a "Library and Identification" card which must be carried by the student at all times during the Summer Session to identify him as a fully registered student.

(e) Applicants who submit a registration booklet by May 1 but who have not also submitted the necessary fees will be assessed the late fee and issued the "Library and Identification" card on payment of fees in full including the late fee of $20.00.

3. Restriction on registration in the Summer Session:

(a) A student who obtained *Fail* standing during the last Winter Session attended *may not* enrol in Summer Session.

(b) A student in attendance at a secondary school during the previous winter *may not* enrol in the Summer Session.

(c) Students enrolled in the Winter Session 1966-67 may be permitted to register as late as June 14 if circumstances justify late acceptance; the late registration fee of $20.00 will not necessarily be waived.

(d) The University reserves the right to reject applicants for the Summer Session whose previous academic records are unsatisfactory, even if they technically meet the entrance requirements.

Regulations Governing Credit Courses:

1. The maximum credit for Summer Session work in any one calendar year is 6 units.
2. Credit will not be given toward the B.A. or B.Sc. degrees for courses in Commerce (except 151 and 371), Education, Home Economics, or Physical Education. In the departments of English, Fine Arts, Music, and Theatre some courses are useful for credit only toward the B.Ed. degree.
3. Students must attend regularly the classes in a course for which they register. Those whose absences from a course are considered excessive by the Instructor will not be credited with attendance in that course.
4. A student will be granted a supplemental examination in a subject which he has taken during the Summer Session provided (i) he has written the final examination and has obtained a mark of not less than 40% and (ii) he has obtained 3 units of credit in the session. Supplemental examinations for summer session students will be held in December 1967. Supplemental privileges will not be granted students who fail the laboratory work of science or industrial arts courses.
5. Except for English 100 and English 200 no course may be repeated more than once.

GRADUATION

Summer Session students expecting to complete degree requirements must make formal application for graduation on the blue card provided with other registration material.

Students who complete degree requirements will be given a statement indicating their status, and may, if they so desire, obtain their degree diplomas in the Fall. The Congregation ceremony will be held in late May, 1968.

NON-CREDIT COURSES

Registration Procedure

Write to the Extension Department stating the course or courses desired. Prospective students will then be mailed application forms which should be returned as soon as possible as the size of classes is limited.

Fees are payable in full at the first meeting of the class. Fee assessments are under course descriptions.

Students who have not registered by mail may do so at the first meeting of the class if space is available.

Students seeking credit for Extension courses where applicable must register through the Registrar's Office before May 1.

FEES*

(*Subject to change without notice)

Fees must be paid by certified cheque or by postal or bank money order made payable to "The University of British Columbia". Cheques drawn on banks outside Greater Vancouver must include exchange and may not be post-dated.

All fees are due and payable at time of registration.

A fee of $20.00 for "Late Registration" will be charged all students registering for credit courses after May 1.

Registration will not be considered complete until fees are paid.

Scale of Fees

Includes Summer Session Association Fee

Tuition:

6 units	$202.00
5½ units	186.00
5 units	169.00
4½ units	152.00
4 units	136.00
3½ units	119.00
3 units	102.00
2½ units	86.00
2 units	70.00
1½ units	52.00
Graduate Student Centre fee	3.00
Late registration fee	20.00
Each course change	5.00

NOTE—A student who withdraws must submit a statement *in writing*, either by letter or by a form that is available at the Registrar's Office. Refunds will *not* be authorized for students who notify the Registrar's Office by telephone that they are withdrawing from classes. No refund will be made for fees after July 21. In the computation of refunds prior to this date an amount equal to one-fifth of the course fees will be charged for each week or part of a week prior to the date on which the student notifies the Registrar officially of his cancellation of registration or his withdrawal from the University. A student who cancels registration before classes begin will be refunded all but $10.00 of fees paid.

Special Fees

For Auditors	3 units	$50.00
	1½ units	$25.00

NOTES—

(i) The special fee for Auditors does not apply to courses sponsored by the Department of Extension, to Physical Education or other activity courses, nor to academic courses in which active student participation is mandatory.

(ii) Auditors are subject to the Summer Session Association fee of $2.00.

For theses or graduating essays only. $52.00

Students registered for graduating essays only, such as Commerce 490, will pay $50.00 plus S.S.A. fee of $2.00, unless they were not previously registered for this course, in which case they will pay fees according to the unit value of the course in question.

Supplemental Examination, per paper

(i) Written at the University	$ 7.50
(ii) Written at an established outside centre	$10.00
(iii) Written at a special centre	$20.00

Applications for supplemental examinations, accompanied by the necessary fees, MUST be in the hands of the Registrar not later than November 1.

The Thea Koerner Graduate Student Centre membership fee. All students in Summer Session, who are enrolled in the Faculty of Graduate Studies will be assessed this fee. The fee is compulsory ..... $ 3.00

Scholarships, Bursaries, Loan Funds

(Open only to students taking regular academic courses)

University Summer Session Bursaries

Thirty bursaries of $50 each are available in the Summer Session for students who are taking a full undergraduate course (6 units) of work in the summer session. They will be awarded to undergraduates who hold permanent teaching certificates in British Columbia and are actively engaged in teaching in the Province. Awards will be made on the basis of scholarship, financial need, interest in teaching, and participation in the activities of school and the community. Special consideration will be given to applicants from more remote parts of the Province. Applications, on forms available from the Dean of Inter-Faculty and Student Affairs, must be received by the University not later than May 31.

The Summer Session Association Loan Fund

This fund, established in 1947, provides loans for students proceeding to a degree by summer session. A limited number of loans, to a maximum of $150 each, are available to (a) teachers (as defined by the Public Schools Act of British Columbia) and to (b) other non-winter session students who have previously completed at least six units by summer session at this University. Loans are to be available to teachers and non-teachers respectively in the same proportion as their numbers in attendance in the previous summer session. Loans are repayable in full by March 1st next, until which time no interest is charged. Application must be made to the Dean of Inter-Faculty and Student Affairs. Loans cannot be made until after the beginning of summer session, but those who will require loans may write in advance to determine whether they are eligible.

The Dr. H. T. J. Coleman Scholarship

This scholarship, of $100, is offered annually in the summer session, in honour of Dr. H. T. J. Coleman, who contributed greatly to the development of the Summer School at the University. The award will be made by the Scholarship Committee to a student in the Third or higher year who has an outstanding record in one or more of the fields of psychology, philosophy, and education.

Gilbert Tucker Memorial Summer Session Prize

An annual prize of $35 is offered by the Summer Session Association in memory of Professor Gilbert Tucker, who served this University as scholar, historian, and teacher. The award will be made to the student enrolled in a history course in summer session, who, in the opinion of the Department of History, is the most outstanding. It is available for students registered in the Third or a higher year who were not in attendance in the previous winter session.

The Summer Session Association Prizes

Prizes of $100 each, the gift of the Summer Session Association, will be awarded at the conclusion of each summer session to the five top ranking students who complete the final units required for an undergraduate degree by attendance at that summer session. To be eligible, a candidate must have taken the final fifteen units for the degree by means of University of British Columbia summer session, extra-sessional, or correspondence courses.

Summer Session Association Prize for Graduate Students

A prize of $100, the gift of the Summer Session Association, will be awarded at the conclusion of each summer session to the most outstanding student who completes the final units required for a Master of Arts in Education or a Master of Education degree by attendance that summer session. To be eligible, a candidate must have taken the final twelve units for the degree by means of University of British Columbia summer session, extra-sessional, or correspondence courses.

Scholarships for Summer School of the Arts

For information about scholarships and bursaries in Theatre, Music, and Visual Arts, see the appropriate sections.

SUMMER SESSION ASSOCIATION

1967 Executive Committee

President - - - - - - Bob Blount
Vice-Pres. - - - - - - Peter Barrett
Past President and Treasurer - - - - - Tom Walters
Secretary - - - A. A. (Bob) Ferguson
Athletics - - - - - - - - Don Ross
Films & Concerts - - - - Bill Lucy
Dance - - - - - - - Lynn Newman
Resolutions - - - - - John Collins
Bulletin - - - - - - Leo Swoboda
Advertising - - - - - - Ian Fraser
Members at Large - - - Marilyn Nye
Ian Cameron

Admittance to all activities sponsored by the Summer Session Association is provided to all members of the Association. Admission to all activities is by S.S.A. Activity Card. Each member is allowed one guest, admitted free, to each activity.

The Summer Session Association of the University of British Columbia is composed of all persons registered at summer session. All students pay a fee of $2.00 at the time of registration except those attending non-credit, short-term courses, and Graduate Students, on campus, who may purchase activity cards from the S.S.A. office, Brock 259.

The Summer Session Association was formed early in the history of the University to care for the extra-curricular, intellectual and social requirements of the summer session students. Growth and expansion through the years have made the Association of major importance on the summer campus.

The organization provides intellectual, social and recreational activities for both students and staff of the summer session. It deals with all matters pertaining to student welfare on the campus; it provides certain summer session scholarships for credit and non-credit courses and has made available a considerable sum of money for interest-free student loans. The Executive Committee of the Association serves as a liaison group between the student body and the various governing bodies of the University.

The Summer Session Association holds two general meetings each summer. The Executive meets weekly during the session and as often as is deemed necessary throughout the year.

Schedule of Activities

See centre leaf for further information.

TRAFFIC AND PARKING REGULATIONS

Systematic regulation of traffic speed and direction, and of parking and stopping, will be enforced on campus. Brochures outlining traffic and parking regulations will be available at the Traffic Office. These regulations remain in effect throughout the Summer Session and all faculty, staff and students of the University are responsible for obtaining and familiarizing themselves with them.

Registration:

Faculty, staff and students who have not already registered their automobiles, motorcycles and scooters for 1966-67 are required to register them for the Summer Session and obtain appropriate permits.

Faculty, staff and students must register their automobiles, motorcycles and scooters immediately upon arrival on campus. They will register at the Traffic Office, 1801 Wesbrook Crescent, and registration must be completed by July 7, 1967.

Day Parking: On **MONDAY** through **FRIDAY** 7:30 a.m. to 5:00 p.m. **SATURDAY** 7:30 a.m. to 12:30 p.m.

FACULTY and STAFF

Faculty and staff may park their automobiles in any lot assigned for faculty and staff; motorcycles or scooters may be parked in any pay lot.

STUDENTS

Students must park their automobiles in the lot designated by their sticker; motorcycles and scooters must be parked only in the covered sheds at the north ends of "A" and "C" lots.

Fees:

Faculty and staff automobiles	$7.50
Faculty and staff motorcycles or scooters	2.50
Student automobiles, Preferred	5.00
Student automobiles, Non-preferred	2.50
Student motorcycles or scooters	1.25

Visitors' Pay Lots:

First hour	10c
Second hour	15c

Each additional hour 25c
up to a maximum of ..... $1.00 per day
Meters ½ hour to 2 hours ..... Use NICKELS ONLY.

Night and week-end Parking:

MONDAY through FRIDAY from 5:00 p.m. to 7:00 a.m. Next day AND on **SATURDAY** from 12:30 p.m. to 7:00 a.m. MONDAY.

Pay parking lots are available for visitors, but drivers may also park free of charge in any designated parking lot, except for the following restricted areas:

(a) Lots designated as "Faculty Only Day and Night."
(b) Lots designated "Faculty and Staff Only Day and Night."
(c) Zones designated "No Parking Anytime Commercial Vehicle Loading Zone."
(d) The Faculty Club parking lot reserved for members and their guests.
(e) The Graduate Centre parking lot reserved for members and their guests.
(f) A few individually reserved areas designated "reserved."
(g) Pay lots when an attendant is in charge and a parking fee is required.
(h) The B.C. Research Council Visitors' lot.
(i) Federal Buildings' parking lots.
(j) Lots designated as "No Parking Anytime Except by Special Permit."

Short Course Students:

Students who are attending courses which do not involve attendance for more than ten days of the Summer Session period may elect either to pay the $2.50 fee for a parking permit; or may use the Visitors' Pay Lots on payment of the standard charge.

THE UNIVERSITY BOOK STORE

The book store was established for the convenience of the students, and has effected a considerable saving to the students in time and money. It is prepared to supply all the textbooks required for the various courses offered in the University, also such articles as note books, loose-leaf books, fountain pens, drawing paper, and instruments.

During the summer session the book store is open Monday to Friday, from 8:45 to 5 o'clock.

Text-books and material required for pre-reading will be sent C.O.D. on request.

LIBRARY INSTRUCTION

A series of instructional lectures and tours will be given during the first week of Summer Session. Because of extensive changes made in the University Library system, it is recommended that both students new to the campus as well as those who have not been enrolled during a recent session attend. The lectures will provide an introduction to the Library and information on finding books and periodical articles. Times and assembly points will be posted in the Library.

In addition, the Library publishes information pamphlets and/or handbooks which may be picked up at various points throughout the Library.

UNIVERSITY HEALTH SERVICE
Wesbrook Building

The University Health Service provides a health service for students attending the Summer Session.

British Columbia Hospital Insurance is available to students whose permanent residence is in B.C., or who have resided in the province for 12 months.

Students from other Canadian provinces will be covered in B.C. for the duration of the Summer Session by their own provincial hospitilization plans provided their hospital premiums (where applicable) have been paid.

Preventive vaccinations and inoculations are given by the Health Service. The Medical Officers will be available by appointment for consultations with students on health problems arising during their attendance at summer session. The Health Service cannot assume responsibility for the treatment or investigation of pre-existing conditions, or for pre-employment medical examinations.

HOUSING ADMINISTRATION

General Information

Accommodation is available in permanent residences for students attending Summer Session.

Totem Park Residences will be made available for single applicants and married students without children. Families with children will be accommodated at Robson House, Lower Mall. *Short courses* will be accommodated together with Summer Session students.

Dates Rooms Available

From July 2 to August 18 inclusive.

Students will be accommodated from July 2, in the evening, and must vacate not later than 1 p.m. August 19.

Students who fail to take up accommodation reserved for them will have $15.00 confiscated from their Board and Residence payment.

Only room and board arrangements are available.

Because of the limited number of double rooms, families may have to take two single rooms; in such cases the corresponding rate for single rooms must be paid.

Payment

In order to make an assignment effective, payment must reach the Accounting Department of the University not later than June 15, each year. Only certified cheques or money orders are accepted. *Post-dated cheques are not accepted.*

Cheques should be made payable to the University of British Columbia.

Meals

Meal passes will be available at the Residence Clerk's office of the area, provided payment has been made beforehand, and will cover breakfast from July 3 to dinner August 18 inclusive. No meal pass is provided for children under eighteen months of age. No cooking is permitted anywhere in the residences.

Lunch and dinner may be purchased for cash on July 2 in the residence dining hall. Breakfast may be purchased for cash on August 20.

Parking

Summer Session stickers will be available from the Traffic Office. No cars are permitted to park in the University area without proper parking stickers. No house trailers or boat trailers are permitted on campus. There are no house trailer facilities in the University area.

Facilities in Residences

Coin-operated washers and dryers are available within the area. Limited storage facilites for trunks and personal effects are available also.

Rooms are furnished but residents are asked to bring their own towels and soap.

Canteen facilities are available and pay phones are on every floor.

Accommodation for Families with Children at Robson House, *Lower Mall*

Robson House is a four-storey building, normally used by single students. It has no special facilities for children and there are no playgrounds in the vicinity. Parents are to assume full responsibility for their children and for any damage caused by them.

Since the residence does not provide cribs or the means of heating or refrigeration of baby food and since cooking is prohibited, the University urges students not to bring small children.

Each person above eighteen months of age must be on a meal pass and eat in the central dining hall.

Rates

For single Students attending Summer Session

In Single Room $157.40

In Double Room $148.80

Rates for families — Room and board a person

Adults and children 18 months and over — *In Double Room* .. $148.80

In Single Room .. $157.40

Children under 18 months, if not requiring separate beds, are exempt, but will not be provided with a meal pass. Meals are available in the dining halls for cash.

No refund is granted if vacating before term ends. There is no refund for meals not taken on meal passes.

Short courses and workshops

Participants in this category will be charged a daily conference rate. Rates include room and board.

In Single Room ..... $9.00 per day

In Double Room ..... $8.00 per day

There is no refund for meals not taken on meal passes.

Note: Students attending various short courses may find the total rate for residence exceeding the rate of the full summer session. In such cases the student may pay the full summer session rate instead. There will be no refund for not occupying reserved accommodation for the full session, or for meals not taken.

Inquiries and Application

Inquiries and applications for on-campus accommodation should be directed to:

Office of Housing Administration
The University of British Columbia
Vancouver 8, B.C.

Private Married Accommodation — Off Campus

A list of accommodation offered for married people with or without children during the summer or for the duration of Summer Session is available from the Housing Coordinator, Alma Mater Society Office, Brock Hall, Vancouver 8, B.C. All arrangements must be made directly between the interested parties. The University does not act as an agent for either contracting parties.

TEACHER CERTIFICATION

All enquiries concerning certification must be directed to the Registrar, Department of Education, Victoria.

Normal school graduates holding the E.C. certificate may qualify for the Interim E.B. by completing either the requirements for First Year Arts or Science (Grade 13), or the requirements of the Second Year in an Education programme.

Faculty of Education students holding the E.C. certificate may qualify for the Interim E.B. by completing Second Year of their degree programme, or by completing the first year of a programme leading to a degree granted by the University. Grade 13 courses cannot be granted University credit after the student has qualified for the Interim E.B. certificate, or completed 33 units, including teacher training, or after the student has been enrolled in two winter sessions. In doubtful cases the University Registrar should be consulted.

Teachers who completed B.C. Normal School training prior to July 1955 may continue to qualify for the permanent Elementary Basic certificate under the regulations applicable to them. If in doubt, consult the Registrar, Department of Education, Victoria. In general to fulfil course requirements for the Permanent E.B. certificate teachers whose training was taken in a B.C. Normal School, 1955-56, or who completed or commenced professional training in the Faculty of Education prior to July 1962, must complete six units of credit in the Third Year in an Education programme (either Elementary or Secondary) or Second Year in a programme leading to some other degree. Students who entered the Faculty of Education after July 1962 for basic teacher training are required to complete Elementary A requirements for permanent certification. Questions concerning the number of courses required by teachers who do not clearly fit the Department's certification regulations must be answered by the Registrar, Department of Education, Victoria.

To fulfil course requirements for the Elementary A certificate, Faculty of Education students normally may take *any* six of the upper year courses which are applicable to their degree programme, beyond the requirements of the first two years.

Under current regulations teachers generally may qualify for higher certification by completing a particular year on a degree programme in the Faculty of Education as follows *(provided basic teacher training is included):*

Full Second Year	—	Elementary B
Full Third Year	—	Elementary A
Full Fourth Year	—	Professional C
Full Fifth Year	—	Professional Basic

Teachers with an acceptable year of professional training may proceed to the Bachelor of Arts degree and qualify for certificates as follows:

Full First Year	—	Elementary B
Full Second Year	—	Elementary A
Full Third Year	—	Professional C
Full Fourth Year	—	Professional Basic

In general the completion of a full year on other degree programmes will qualify the teacher for a higher certificate.

In the elementary programme the B.Ed. degree is awarded on completion of the Fourth Year. Holders of the B.Ed. (Elementary) degree may qualify for the P.B. certificate upon completion of a further year of work under the direction of the Director of either the Elementary or the Secondary Division.

Attention is drawn to course requirements for the degree programmes as prescribed in the Calendar of the University. Enquiries concerning Education course or degree requirements should be directed to the Records Office, Faculty of Education, The University of British Columbia, Vancouver 8, B.C.

APPLICATION FOR TEACHER CERTIFICATION

It must be recognized that sole responsibility for teacher certification rests with the Department of Education in Victoria. Before a certificate can be changed application must be made to the Department. Since the type of certificate issued is dependent upon the standing within the University, the Department of Education requires evidence of such standing. A pink card is provided in the Registration materials on which to make application for a change in certification. This card will, at the conclusion of Summer Session, be forwarded to the Registrar of the Department of Education, Victoria, certifying as to the student's standing, together with transcripts where necessary. No further application is needed, either to the University or to the Department of Education.

This procedure will save the student, the University and the Department of Education needless duplication of correspondence.

EMERGENCY SUMMER SESSION TEACHER TRAINING PROGRAMME FOR HOME ECONOMICS GRADUATES

Home Economics graduates are advised to take the regular winter session basic teacher training course for graduates, rather than the emergency summer session programme, wherever possible.

Persons holding an acceptable Bachelor of Home Economics degree may complete teacher-training for the Professional Basic certificate through *three summer sessions* of prescribed work totalling 18 units. All work must be completed in residence through summer session. Extra-sessional courses may not be credited. Those enrolling for their first summer session of work in 1967 are expected to complete the second and third summers in 1968 and 1969.

1. *Home Economics graduates enrolling for the first summer session are required to take the following courses:*

   (1) Education 404—Curriculum and Instruction (Home Economics) 3 units

   (2) Education 410—The Organization and Administration of B.C. Schools ..... 1½ units

   (3) Education 435—Introduction to Evaluation ..... 1½ units

2. *Home Economics graduates who have completed one summer session of the required courses should enrol for their second session in the following courses:*

   (1) Education 400 or 470 or 430 ..... 3 units
   (if not completed previously) and

   (2) One of the following—
   Education 332—Psychology of Adolescence ..... 3 units
   Education 411—Foundations of Vocational Planning ..... 3 units
   Education 412—Introduction to Adult Education ..... 3 units
   Education 416—Speech Education ..... 3 units
   Education 410—The Organization and Administration of B.C. Schools ..... 1½ units
   Education 435—Introduction to Evaluation ..... 1½ units
   (if not completed previously)

3. *Home Economics graduates who have completed two summer sessions of the required courses should enrol for their third summer session in the following courses:*

   (1) Education 400 or 470 or 430 ..... 3 units
   (if not completed previously) and

   (2) One of the following—
   Education 332, 411, 412, 416 ..... 3 units

Graduates should register for the courses prescribed for their respective summer programmes.

TEACHERS WITH ELEMENTARY BASIC CERTIFICATES TRAINING TO TEACH HOME ECONOMICS

Summer session courses available in 1967 for prospective teachers in Home Economics holding Elementary Basic certificates are:

Home Economics 101 & 403 ..... 3 units
Home Economics 105 ..... 3 units
Home Economics 300 ..... 3 units
Education 404 (Home Economics) ..... 3 units

It is desirable that a number of courses in Home Economics be completed before undertaking Ed. 404. Only in especially considered cases may a teacher enrol for Ed. 404 concurrently with 3 units of Home Economics in her first summer. Consult the Director of the School of Home Economics for such permission.

1. Teachers holding E.B. certificates who wish to train to teach Home Economics should start on a concentration in Home Economics—Bachelor of Education (Secondary Field) programme—by enrolling in six units of Home Economics courses listed above.
2. Teachers with E.B. certificates who have already taken some of the Home Economics courses listed towards their concentration in Home Economics, but have not taken Ed. 404, should choose Ed. 404 plus three units of Home Economics content not taken previously.
3. Teachers who have completed Ed. 404 and all but one of the Home Economics courses listed, should consult the Records Office of the Faculty of Education as to which other course(s) to take on their Bachelor of Education programme.

It is preferable that students avoid enrolling in two Home Economics laboratory courses concurrently.

In order that E.B. teachers starting on a three-year summer session programme may plan their selection of courses, the probable offerings for 1968 are as follows:

H.E. 102, 104, 106; 201, 310; 421
Ed. 404 (H.E.)

SPECIAL NOTE FOR PHYSICAL EDUCATION TEACHERS-IN-TRAINING

Training programmes offered for teachers of Physical Education:

1. Bachelor of Physical Education degree and a one-year teacher training programme.
2. Bachelor of Education degree, either Secondary or Elementary with major in Physical Education.

Those holding an E.B. or higher certificate who propose to qualify in Physical Education should recognize that the full requirements for the Physical Education major may be completed before other required courses of the Third or higher years in the Faculty of Education. In view of the current need for qualified teachers of Physical Education, *teachers are encouraged* to plan their programme to complete the Physical Education major requirements as early as possible. One may readily undertake 12 units or more of the P.E. major requirements in qualifying for the E.A. or higher certification. (Note that English 200 is required for E.A. certification under current Departmental regulations.)

Those commencing training for the Elementary B certificate who wish to qualify in Physical Education may complete ten of the fifteen units required for a Physical Education major by undertaking 4 units during the first two years of teacher-training, plus 6 units of Summer Session work, and may complete the full 15 units needed for the Physical Education major with a further Summer Session. Persons already holding an Elementary C certificate may find it possible to include one or more 3-unit courses in Physical Education towards the Elementary B certificate and then continue with further training as outlined in paragraph two above.

A student contemplating rearrangement of the courses in his programme as suggested should seek advice, if necessary, from the Director of the programme concerned.

Courses of Study

To assist students in planning programmes each course title includes a code letter. This letter indicates the probability of future offerings.

Code

A. Proposed for this summer and next.
B. Proposed for alternate years.
C. Proposed for this summer — future offerings indefinite.

Courses not offered in 1967 but considered for 1968 or 1969 are listed under Departments.

The University reserves the right to limit attendance, and to limit the registration in, or to cancel, any of the courses listed.

This year text books are not shown in the calendar. Students may contact the University Book Store before commencement of the Summer Session in order to obtain the names of text books.

ANTHROPOLOGY

300. Social Organizaiton. (B)

The structure and organization of society; the individual and society; kinship; the social frame of economy, religion and art; social control and political institutions..

Prerequisite: Anthropology 200 or Sociology 200.

Ten hours lectures a week—3 units.

Mr. Harré.

302. Comparative Ethnography of Special Areas. (C)

Latin America and the Caribbean.

Prerequisite: Anthropology 200 or Sociology 200.

Pre-reading recommended: Heath, Dwight B. and Richard N. Adams, *Contemporary Cultures and Societies of Latin America.*

Ten hours lectures a week—3 units.

Mr. Philpott.

ASIAN STUDIES

320. History of Chinese Civilization (accepted for credit in History). (A)

A survey of Chinese history and culture from ancient times to 1840.

Pre-reading recommended: L. C. Goodrich, *A Short History of the Chinese People.* Harper and Bros., N.Y., 1963, paperback; Derk Bodde, *China's Cultural Tradition,* Rinehart & Co., N.Y., 1957, paperback; Fitzgerald, *China, A Short Cultural History,* Praeger, N.Y., 1965, paperback.

Ten hours lectures a week—3 units.

330. History of Japanese Civilization (accepted for credit in History). (A)

Japanese political, social and cultural history from the earliest times to 1900.

Pre-reading recommended: Webb, *An Introduction to Japan,* Columbia Univ. Press, N.Y., 1955; De Bary et al, *Sources of Japanese Tradition,* Columbia Univ. Press, N.Y., 1958, paperback, 2 vols.

Ten hours lectures a week—3 units.

Mr. Dore.

BIOLOGY

101. Principles of Biology. (A)

An introductory course emphasizing principles of wide application to all living organisms, including cell structure and function, the mechanism of inheritance, evolution, and adaptation to environment. A comparative approach to the unity and diversity of organisms will be stressed. A one-hour tutorial is required each week.

Prerequisite: Biology 91 or equivalent recommended.

Limited enrolment.

Eight hours lectures, one hour tutorial and twelve hours laboratory a week—3 units.

Mr. Bohm.

235. Fundamental Genetics. (A)

An introduction to the basic principles of heredity, with emphasis on the physical and chemical structure and function of genetic material.

Prerequisite: Biology 101 or its equivalent.

Ten hours lectures a week—3 units.

Mr. Lucchesi.

BOTANY

303. Biology of Microorganisms. (C)

Morphology, reproduction, and classification of fungi and other heterotrophic plants including bacteria and viruses.

Limited enrolment to 20 students.

Prerequisite: Biology 101 or equivalent.

Ten hours lectures and eight hours laboratory a week—3 units.

Mr. Bandoni.

330. Plant Physiology. (B)

Introduction to physiological processes in plants, including photosynthesis, transpiration, absorption, enzyme and hormone action, and growth. Chemistry 230 is recommended but not required.

Eight hours lectures and six hours laboratory a week—3 units.

Mr. Wort.

CHEMISTRY

101. General Chemistry. (A)

Fundamental theories, periodic table, descriptive inorganic chemistry, chemical calculations, modern valency concepts, elementary nuclear chemistry.

Prerequisites: Mathematics 101 or 110 or 120 must precede or be taken concurrently; Chemistry 11 or 91.

Ten hours lectures and twelve hours laboratory a week—3 units.

Mr. Walker.

230. Organic Chemistry (previously 300). (A)

Fundamental principles of modern organic chemistry including a discussion of the main classes of organic compounds.

Prerequisite: Chemistry 101, 102 or 110.

Ten hours lectures and nine hours laboratory a week—3 units.

Mr. McGreer.

310. Inorganic Chemistry. (C)

A comprehensive treatment of the periodic system of the elements in terms of modern theories of chemical bonding, structure, and reaction mechanisms. The practical work consists of the preparation and characterization of representative inorganic compounds.

Prerequisite: Chemistry 200 or 205.

Eight hours lectures and eighteen hours laboratory a week—3 units.

Mr. Griffith.

CLASSICAL STUDIES

331. Ancient History. (A)

The rise of the Greek city-states; special emphasis on the political, economic, and cultural achievements of the fifth and fourth centuries B.C.; the growth of Rome and the development of her political institutions during the Republic, the social and economic history of the Empire; the transition from the classical to the mediaeval world.

May be accepted for credit in History, Latin or Greek majors.

Pre-reading recommended: Penguin Classics: *Thucydides; Herodotus; Tacitus;* Plutarch; *The Rise and Fall of Athens* and *Fall of the Roman Republic;* Livy; Kitto, *The Greeks* (Penguin).

Ten hours lectures a week—3 units.

Mr. Guthrie.

430. Classical Archaeology. (C)

A study of certain major contributions made by archaeological research to the history and art of pre-historic and classical Greece; attention will be paid to archaeological method and to the history of archaeological investigation. Open to advanced undergraduates and to graduate students.

Ten hours lectures a week—3 units.

Mr. Eliot.

COMMERCE

Note: *Courses in Commerce may not be taken for credit toward the B.A. or B.Sc. degrees except Commerce 151 and 371.*

151. Fundamentals of Accounting. (A)

The analysis and communication of financial events and an examination of the accounting postulates underlying the preparation and presentation of financial statements.

Students registering for Commerce 151 are strongly advised not to attempt any additional course.

Ten hours lectures a week—3 units.

201. Secretarial Practice. (C)

The development of advanced typewriting, shorthand and transcription skills; the training of office workers. For credit only on B.Ed. (Sec.) and B.Com. (Teaching Option).

Limited to 30 students.

Pre-reading recommended: Review of Basic Course in Pitman Shorthand.

Prerequisites: Commerce 90, Commerce 101.

Ten hours lectures and 5 hours laboratory a week—3 units.

Miss Brown, Mrs. Cameron.

362. Management of Promotion. (C)

An analysis of buyer behaviour, planning, controlling, and co-ordinating of the promotional functions of the firm.

363. Marketing Institutions. (C)

A study of the concepts of product flow which form the bases for the development of intermediate marketing institutions in Canada; including a critical examination of institutional growth, change and operational management.

Note: Commerce 362 will be covered the first half of the Session. The two courses are indivisible.

Ten hours lectures a week—3 units.

Mr. Webster.

371. Business Finance. (A)

Problems of financing business concerns, including promotion, types of organizations, provision of long-term and short-term capital, dividend policy, expansion and combination, involvements, public policy toward corporations.

Prerequisites: Commerce 151, Economics 200.

Ten hours lectures a week—3 units.

376. Personal and Business Finance. (A)

An examination of the instruments of business and personal finance and a study of the methods of presenting these topics to high school students. Forms and instruments of business finance, life insurance, banking, investments, general insurance, real estate. Special project assignments. Field trips.

For credit only on B.Ed.(Sec.) and B.Com.(Teaching Option).

Ten hours lectures a week—3 units.

Mr. Gourlay.

391. Office Management. (C)

Office management, planning and production problems, layout, equipment, work analyses and simplification, office services. Personnel management. Design and control of office forms. Office manuals. Budgetary control. Problems and cases.

Limited to 30 students.

Ten hours lectures and five hours laboratory a week—3 units.

Mr. Heywood.

COMPUTER SCIENCE

A course in Computer Science will probably be given in 1968.

CREATIVE WRITING

201. Prose Techniques. (B)

Designed for beginning writers, including First Year students. Familiar essay, column, character sketch, vignette, short-short story and the dramatic skit. Instruction is carried on in workshops and through individual instruction. Admission to the course is by permission of the instructor. Applicants should send in manuscripts to the Department for evaluation before registering.

Limited to 15 students.

Ten hours lectures per week—3 units.

Mr. Yates.

ECONOMICS

200. Principles of Economics. (A)

The institutions and processes involved in the production and distribution of wealth; basic determinants of prices and costs, the determinants of income and employment; international trade.

Prerequisite: First Year standing.

Pre-reading required: Samuelson/Scott, *Economics*, Canadian edition, Chapters 1-10.

Ten hours lectures a week—3 units.

Mr. Rae.

300. Intermediate Economic Analysis. (A)

Theory of consumer demand; production theory; equilibrium of the firm; study of market structures; monopoly, monopolistic competition and oligopoly. The social accounts, income and employment theory; economic fluctuations; economic growth.

Prerequisite: Economics 200.

Pre-reading recommended: Samuelson/Scott, *Economics,* Canadian edition, Parts 1-4.

Ten hours lectures a week—3 units.

Mr. Boyd.

306. Economics of Labour and Industrial Relations. (C)

Problems of labour in modern industrial society. History, structure and functions of trade unions and employer-organizations. Collective bargaining and industrial conflict. Procedures in settlements of disputes.

Ten hours lectures a week—3 units.

Mr. Primorac.

EDUCATION

Notes: Courses in Education may not be taken for credit towards the B.A. or B.Sc. degrees. For information concerning the requirement of the majors see the Faculty of Education Calendar and for the prerequisites for graduate work see the Graduate Studies calendar.

Credit will not be granted for Education courses unless students are registered in the Faculty of Education or have written permission from the Dean.

Half courses in School Law and School Finance will be offered in 1968.

305. Art Education. (A)

A study of the growth and development of art education; discussion and use of various art media; the function and purpose of art in school and society; practical studio activities; modern methods and curricula in art education, grades 1-12.

Limited to 25 students, preference to students with major in Art.

Prerequisite: Ed. 205 or equivalent.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Foster.

307. Music Education. (A)

A study of modern methods, materials, objectives, and philosophy pertaining to the teaching of music in elementary schools.

Prerequisite: Education 207 or Normal School Diploma.

Pre-reading recommended: Ellison, *Music with Children.*

Ten hours lectures a week—3 units.

Mr. Murray, Mr. Slind.

308. Physical Education. (A)

Theory and practice of dance, games and gymnastics for the elementary school. This course is not a part of a major in physical education.

Prerequisite: Education 209.

Limited to 30 students each section.

Ten hours lectures a week—3 units.

Mr. Dennison, Mr. Watt, Mrs. Williams.

309. General Science for Elementary and Junior High School Teachers. (A)

General science as a systematic study of our environment and man's relation to it; will cover such topics as living things, matter, energy, earth science, and the universe. Techniques of science, the improvisation and acquisition of necessary equipment, utilization of community resources. The course is intended to provide teachers with a broad background for teaching general science.

Limited to 30 students in each of six sections.

Prerequisite: Education 201 or equivalent.

In order to take advantage of field trips students must keep Monday or Thursday afternoons free.

Ten hours lectures and three hours field work a week—3 units.

Mr. Brough, Mrs. Forster, Mr. Gillespie, Mr. Jorgensen, Mr. Krayenhoff, Mr. Webster, Mr. Young.

331. Psychology of Childhood. (A)

Mental, social, emotional and physical characteristics of pre-school and elemenary school pupils; their interests and problems; implications for organization and administration of school systems.

Ten hours lectures a week—3 units.

Mrs. Borden, Mr. Evans, Mrs. Koopman, Mr. McKinnell.

332. Psychology of Adolescence. (A)

The physiological, psychological, social and educational aspects of adolescence. Review of research.

Ten hours lectures a week—3 units.

Mr. Fiedler, Mrs. Housego.

333. Curriculum and Instruction in Pre-School (Nursery schools and Kindergartens). (B)

Planning and developing an educational programme for young children, consideration being given to learning experiences, resources, materials, teaching, and guidance procedures. Laboratory experiences in the Child Study Centre and observation in field settings are included.

Ten hours lectures and six hours laboratory a week—3 units.
Mrs. Hobbs.

Observation alternates with seminar. Students should not register for any other course in the morning.

334. The Role of the Teacher in Home and Community. (B)

An investigation of the problem of parent-teacher co-operation and techniques for developing this; a survey of community services and organizations for children.

Pre-reading required: Hymes, James, *Effective Home and School Relations,* Prentice-Hall.

Ten hours lectures a week—3 units.

Mrs. Thomson.

390. The Library in the School. (A)

The objectives, functions and administrations of libraries in elementary and secondary schools.

Limited to 35 students each section.

Ten hours lectures a week—3 units.

Mr. Albrecht, Mrs. Coggin.

400. Philosophy of Education. (A)

An introductory course in which consideration is given to the philosophical foundations of education and to the practical bearings of theory upon curriculum content and classroom practice in our schools.

Ten hours lectures a week—3 units.

Mr. Dearden, Mr. Elliott, Mr. Guttchen.

403. Introduction to Mental Retardation. (B)

Characteristics of mentally retarded children: classification: overview of medical, legal, educational and social provisions for the mentally retarded.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units.

Miss David.

Note: This course will be followed immediately by Education 431, which is also a 1½ unit course. These two courses offer the student an introduction to the teaching of the mentally retarded children and children with learning disabilities.

404. Curriculum and Instruction in Specific Secondary School Subjects.

All courses in this area include, for the particular subject under discussion, a consideration of the objectives, the scope and content of the curriculum, the

learning process applied to the particular subject, together with methods of presentation, and the materials of instruction. Consideration will also be given to evaluation of pupil progress, and diagnosis of and remedy for individual and group difficulties.

Minimum prerequisite to any curriculum and instruction course is completion of one senior course of the major. A second course of the major must be undertaken concurrently.

Be sure to indicate the individual subject on course card.

English. English methods for the Secondary School. (A)

Prerequisite: Three senior courses in English.

Pre-reading required: B.C. Programme of Studies for English in secondary grades, 1964, 1965, 1966.

Pre-reading recommended: Loban, Ryan and Squire, *Teaching Language and Literature,* Harcourt, 1961; or Fowler, *Teaching Language, Composition and Literature,* McGraw-Hill, 1965; or Guth, *English Today and Tomorrow,* Prentice-Hall, 1964.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units.

Mr. Bertram.

French. (B)

Limited to students who have completed with satisfactory standing a reasonable proportion of the senior courses for a French major. Some auditors will be admitted.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units.

Mr. Snowdon.

404. Health and Physical Education. (C)

Limited to 25 students.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units.

Mr. Lawson.

History and Social Studies. (A)

Limited to 50 students.

Prerequisite: History major or instructor's written consent.

Pre-reading required: Students enrolling in this course should write to Professor F. C. Hardwick, Faculty of Education, for a list of pre-reading.

Ten hours lectures and seminars a week, July 3-25 inclusive—1½ units.

Mr. Curtis.

Geography and Social Studies. (A)

Limited to 50 students.

Prerequisite: Geography major or instructor's written consent.

Students enrolling in this course should write to Professor F. C. Hardwick, Faculty of Education, for a list of pre-reading.

Ten hours lectures and seminars a week, July 26 - August 18—1½ units.

Mrs. Long.

Home Economics. (A)

Curriculum and Instruction, two sections.

Limited to 15 students each section.

Please be sure to report to the appropriate laboratory section on the first day.

Seven hours lectures and ten hours laboratory each section a week—3 units.

Mrs. Vaines, Miss West.

Mathematics. (A)

Pre-requisite: Three senior courses in mathematics or instructor's written consent.

Ten hours lectures a week, July 26 - August 18 inclusive—1½ units.

Mr. Howitz.

405. Curriculum and Instruction in Primary Grades—Advanced. (A)

Current research findings; trends and problems dealing with personality development, classroom management, and the programme of instruction in the primary grades, with reference to readiness in the kindergarten.

Prerequisite: Education 203, 204.

Ten hours lectures a week—3 units.

Mrs. MacKenzie, Miss Roxburgh.

407. Introduction to the Study of Exceptional Children. (A)

A course covering all groups of exceptional children in diagnosis, classification, treatment.

Ten hours lectures a week—3 units.

Mr. Kendall.

409. Science Education. (C)

Study of the research in elementary science teaching and comparative curricula. Emphasis will be placed on the learning process, together with methods of presentation and the materials of instruction. A teaching practicum in science is included.

Limited to 20 students.

Prerequisites: At least two first year science courses. Education 309 or the equivalent in science content *must* be taken prior to or concurrently.

Ten hours lectures and ten hours laboratory a week.

Mr. Walters.

411. Foundations of Vocational Planning. (A)

Theories of vocational development, occupational information and trends, counselling and the process of vocational choice. Laboratory and field experience will be included.

Pre-reading: Wrenn, *The Counsellor in a Changing World.*

Ten hours lectures a week—3 units.

Mr. Friesen.

412. Introduction to Adult Education. (A)

Survey of present programmes for adult education including study of methods, institutions, and conditions under which it has developed in modern society.

Pre-reading: Kidd, J. R., *How Adults Learn*; Kidd, J. R., Editor, *Learning and Society.*

Ten hours lectures a week—3 units.

Mr. Niemi.

414. Audio-Visual Education (A)—Secondary, Section 2—Elementary, Section 1.

The role of the teacher in communication, the study of various materials related to learning, and the sources, selection, effective utilization and evaluation of these materials.

Limited to 30 students each section.

Ten hours lectures a week—3 units.

Mr. Pollock, Mr. Wendt.

415. Developmental Reading. (A)

The problems of teaching reading, grades 1-12; the nature and psychology of reading; the basic skills and abilities; evaluating reading; remedial reading in the regular classroom.

(There will be five sections, and in one section, at 10:25 a.m. the stress will be on reading at the secondary level).

Prerequisite to Education 462, *Remedial Reading.*

Ten hours lectures a week—3 units.

Mr. Ahrendt, Mr. Buckley, Mr. Covell, Mrs. Juhasz, Mr. Slade.

416. Speech Education (A)

Characteristics and standards of good speech; self-evaluation; the physiology and mechanics of good voice production; means of preventing voice fatigue; guided practice aimed at increasing ability to speak effectively in a variety of speech situations.

Limited to 25 students.

Ten hours lectures a week—3 units.

Mrs. Campbell.

418. Introduction to Special Education in Secondary Schools. (C)

Psychological, sociological and curriculum problems in teaching the children in the occupational programme. School and community relations.

Ten hours lectures a week—3 units.

Mr. Curtis.

419. Introduction to Speech Correction. (A)

A survey of the speech defects of children to make the teacher aware of the problems and to acquaint him with some basic skills for dealing with speech problems.

Ten hours lectures a week—3 units.

Miss Washington.

430. History of Education. (A)

Development of educational theory from the time of ancient Greece to the present day.

Limited to 50 students per section.

Pre-reading recommended: Robert H. Beck, *A Social History of Education,* (Englewood Cliffs, N.J.: Prentice-Hall, 1965) paper-back.

Ten hours lectures a week—3 units.

Mrs. Hutchinson, Mr. Krolikowski, Mr. Robarts.

431. Primary Learning Disabilities. (B)

The identification and assessment of motor, perceptual and language disabilities in children.

Ten hours lectures a week, July 26 - August 18 inclusive—1½ units.

Miss David.

432. Adolescent Psychology. (A)

Note: Students who have already obtained credit for Education 332 may not elect Education 432.

Ten hours lectures a week—3 units.

Mr. Allison.

462. Remedial Reading. (A)

Identification of retarded readers; the diagnosis and treatment of disabilities in reading; selection of materials; organization of the special remedial reading classroom; practice in diagnosis and remediation.

Limited to 20 students.

Prerequisites: Education 415 or equivalent.

Students taking this course may not undertake another course given during the morning.

Lectures and laboratories, mornings throughout the session—3 units.
Mrs. Rizer.

470. Educational Sociology. (A)

Factors related to the social structure of modern western civilization which have significant relevance to education and to the educability of children.

Limited to 45 students each section.

Pre-reading recommended: Bossard and Boll, *The Sociology of Child Development,* Harper, 1960.

Ten hours lectures a week—3 units.
Mr. Jobling, Mr. Parminter.

481. Introduction to Educational Research. (A)

Five hours lectures a week—1½ units.
Mr. McKie.

482. Educational Statistics. (A)

An introduction to Statistical Theory with special reference to problems in Education.

Five hours lectures a week—1½ units.
Mr. McKie.

491. The Acquisition and Organization of Library Materials. (A)

The principles and methods of selecting, classifying, cataloguing and organizing library materials.

Limited to 25 students, each section.

Ten hours lectures a week—3 units.

Mr. Chapman.

492. The School Library: Sources of Information. (B)

A basic course in the use of books and libraries with special emphasis upon the resources and methods for locating educational information and upon the techniques for teaching the use of school libraries.

Limited to 35 students.

Ten hours lectures a week—3 units.

Mr. Fraser.

508. Review of Research in Methods of Teaching Specific School Subjects.

Three units will be given for each course in an individual subject. No more than 6 units may be credited towards a Master's degree. Each course reviews the philosophy, purpose and function of the subject in school. Studies are made of recent research on curriculum organization, on particular methods of teaching, on the use of material aids, on factual comprehension and attitude testing.

Prerequisite: Education 204 or 404.

Be sure to indicate the individual subject on course card.

Research in Reading. (C)

Sources for locating research in reading, types of research and pioneer research, critical appraisal of research design and methodology in conducting research in reading.

Limited to 15 students.

Prerequisite: Education 415.

Pre-reading required: Review of text used in Education 415.

Ten hours lectures a week—3 units.

Mr. Chronister.

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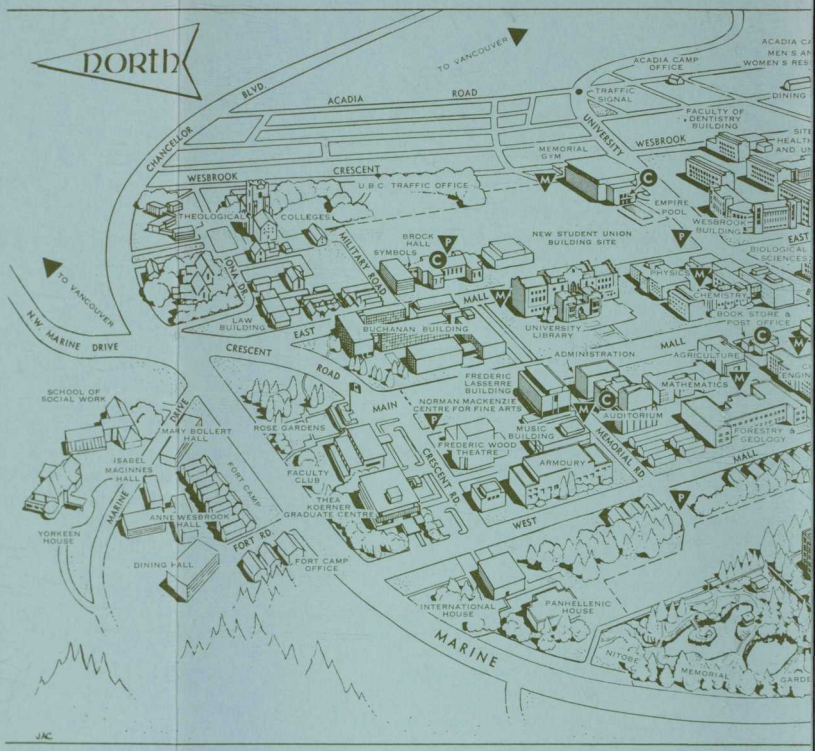

the university campus

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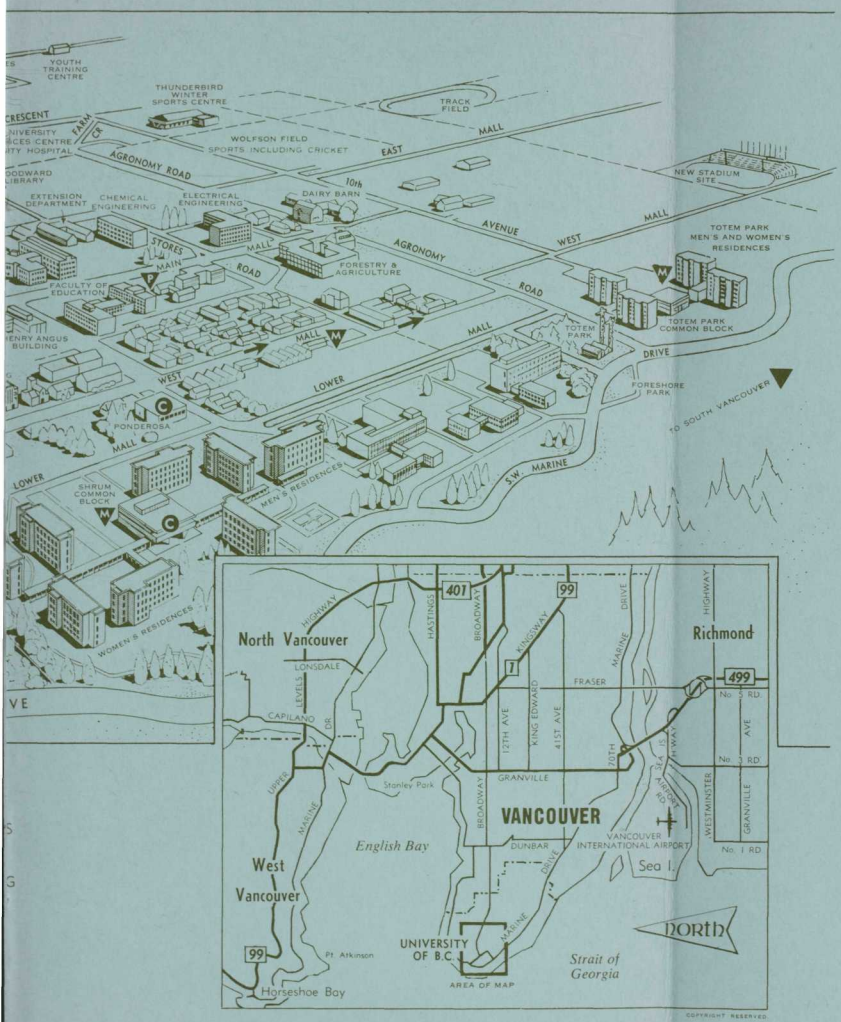
open to traffic on weekend
and holidays only.


YOUTH TRAINING CENTRE
THUNDERBIRD WINTER SPORTS CENTRE
TRACK FIELD
WOLFSON FIELD SPORTS INCLUDING CRICKET
EAST MALL
AGRONOMY ROAD
NEW STADIUM SITE
DODWARD LIBRARY
EXTENSION DEPARTMENT
CHEMICAL ENGINEERING
ELECTRICAL ENGINEERING
DAIRY BARN
10th AVENUE WEST MALL
TOTEM PARK MEN'S AND WOMEN'S RESIDENCES
STORES MALL
MAIN ROAD
FORESTRY & AGRICULTURE
AGRONOMY ROAD
FACULTY OF EDUCATION
TOTEM PARK
TOTEM PARK COMMON BLOCK
HENRY ANGUS BUILDING
MALL
WEST MALL
LOWER MALL
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TO SOUTH VANCOUVER
PONDEROSA MALL
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MEN'S RESIDENCES
WOMEN'S RESIDENCES
North Vancouver
LONSDALE
LEVELS HIGHWAY
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Stanley Park
English Bay
West Vancouver
Pt. Atkinson
Horseshoe Bay
HASTINGS
BROADWAY
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ACTIVITIES

On Campus

Social Dances — Friday, 9 - 12:30 p.m. Brock Lounge

Square Dances — Wednesday, 8 - 10 p.m. Buchanan Quad.

Films — Monday, 8 p.m. Auditorium

Concerts
Lectures } Time and place — **To Be Announced**

Social Dance Instruction — Monday and Thursday, 12:30 - 1:30 p.m., with Grant Vincent. Brock Lounge

Tennis Courts — Available daily 2 - 5:30 p.m. War Memorial Gym

Swimming (5 free on activity card) 2 - 5.30 p.m. War Memorial Gym

Registered students and one guest are admitted *FREE* to the above activities, which commence on the first week and run through the Summer term.

Off Campus

Tickets on sale at S.S.A. office, Brock 259

Whistler Mt. (Ski?) Sightseeing and Swim
Saturday, July 8, 7 a.m. - 7 p.m.

Vancouver and District Sightseeing Bus Tour
Sunday, July 9, 10 a.m. - 4 p.m.

Paradise Valley Pack-horse Day Trip
Saturday, July 15, 6 a.m. - 8 p.m.

Shakey's and Night-life Tour
Friday, July 21, 7 p.m. - ?

Horseshoe Bay Fishing Derby
Sunday, July 23, 5 a.m. - 2 p.m.

Belcarra Park Dance Cruise
Friday, July 28, 6 p.m. - 2 a.m.

Garibaldi Diamond Head Hike
Sunday, July 30, 7 a.m. - 4 p.m.

Garibaldi Overnight Camp-out
Saturday and Sunday, August 5 and 6

Additional information may be obtained from S.S.A. office, "Summer UBYSSEY," and Weekly S.S.A. Bulletin.

We hope that these activities will add to your memories of Summer Sesssion '67.

BOB BLOUNT,
President S.S.A.

History and Geography. (B)

Limited to 25 students.

Prerequisite: History or Geography Major or instructor's written consent.

Pre-reading required: Students enrolling for this course should write to Professor F. C. Hardwick, Faculty of Education, for a list of pre-reading.

Ten hours lectures a week—3 units.

Mr. Hardwick, Mrs. Long, Mr. McWhannel.

Mathematics I. (B)

Research, Thought and Practise of Mathematics in the Elementary School.

Students planning to register for this course should obtain a pre-reading list from Dr. MacPherson, Faculty of Education.

Ten hours lectures a week—3 units.

Mr. MacPherson.

519. History of Canadian Education. (B)

The historical growth of public education in Canada from the French regime to the present. The development both of our provincial public school systems and of Canadian educational thought and practice.

Ten hours lectures a week—3 units.

Mr. Johnson.

530. Psychology of Learning. (B)

Intraserial phenomena, maturation, effect, frequency, transfer, retention, practice, and material effects in learning. Theories of learning, and results of research in learning. Relationship of theories to methodology and curricular practices.

Prerequisite: Education 102 or 301.

Pre-reading recommended: Hill, W. F., *Learning: A Survey of Psychological Interpretations,* Chandler, 1963.

Ten hours lectures a week—3 units.

Mr. Keenan.

535. Evaluation (A)

Basic principles; tests and other instruments for measuring instruction.

Prerequisite: Education 435, or 301 (Learning and Evaluation).

Pre-reading recommended: Review of elementary descriptive statistics.

Ten hours lectures a week—3 units.

536. Individual Tests. (B)

Administration, scoring, interpreting, and values of Revised Stanford Binet, Wechsler-Bellevue, etc; nature of intelligence; constancy of the IQ, etc.

Limited to ten students.

Mr. Oldridge.

552. Basic Contributions to Administrative Thought. (A)

Ten hours lectures a week—3 units.

Mr. Housego.

556. Administration of the Educational Programme. (A)

Note: This course is offered during the first half of the Session and should be followed by either Ed. 557 or 558.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units

Mr. Hrynyk.

557. Administration of the Elementary School. (A)

Note: This course is offered during the second half of the Session. It should follow Ed. 556.

Prerequisite: Education 556.

Ten hours lectures a week, July 26 - August 18 inclusive—1½ units.

558. Administration of the Secondary School. (A)

Note: This course is offered during the second half of the Session. It should follow Education 556.

Prerequisite: Education 556.

Ten hours lectures a week, July 26 - August 18 inclusive—1½ units.

Mr. Hartrick.

562. Curriculum Organization in the Elementary School. (B)

History and development of elementary curricula; principles of organization and adaptation; articulation with secondary education programmes.

Ten hours lectures a week, July 3 - 25 inclusive—1½ units.

563. Curriculum Organization in the Secondary School. (B)

History and development of secondary curricula; principles of organization and adaptation; articulation of secondary with higher education programmes.

Ten hours lectures a week, July 26 - August 18 inclusive—1½ units.

565. Special Course in a Subject Matter Field.

Courses in various subject matter fields designed to bring teachers up to date in new advances and recent findings in each field.

For credit only in the Faculty of Education.

Be sure to indicate the individual subject on course card.

English: English as a foreign language. (B)

Open to majors in English or equivalent, or by consent of instructor.

Ten hours lectures a week—3 units.

Mr. Elliott.

Physics. (C)

Limited to 24 students.

Prerequisite: At least nine of senior physics or permission of the instructor.

Pre-reading required: Physical Science Study Committee (P.S.S.C.) text, *Physics,*

Ten hours a week—3 units.

Mrs. Woodrow.

576. Advanced Seminar in the Supervision of Instruction. (B)

For superintendents, principals, directors of Education and other supervisory personnel desiring advanced study in this area.

Limited to 24 students, and restricted to students who have completed at least 9 units on their programmes.

Ten hours lectures a week—3 units.

Mr. Halpin.

578. Advanced Seminar in Theories of Guidance and Counselling. (B)

Theory, research, techniques and ethical practices in counselling.

Prerequisite: Education 411. Students are also advised to take Education 332 and 535.

Ten hours lectures a week—3 units.

590. Current Developments in Higher Education. (B)

The special issues relating to universities, colleges, and technical education today and in the near future: in Canada, United States, and Great Britain.

Limited to 20 students.

Prerequisite: Consent of instructors.

Pre-reading recommended: Murray Ross; *New Universities in the Modern World,* MacMillan, 1966; Samuel Baskin, *Higher Education—Some Newer Developments,* McGraw Hill, 1965.

Ten hours lectures a week—3 units.

Mr. Dennison, Mr. Marsh.

591. Epistemological Foundations of the Curriculum. (C)

An inquiry into the nature and organization of knowledge. Implications for curriculum construction and classroom teaching.

Prerequisites: Education 400, senior level Philosophy course or consent of instructor.

Pre-reading recommended: A. D. Woozley, *Theory of Knowledge,* Hutchinson; Israel Scheffler, *Conditions of Knowledge,* Scott Forseman.

Ten hours lectures a week—3 units.

Mr. Hirst.

EDUCATION

Note: Proposed courses for the 1968 Summer Session: 336, 404 (German), 404 (Commerce), 420, 429, 490, 501, 508(II) (Math.), 508 (Science), 508 (Comm.), 524, 533, 539, 551, 559, 560, 561 (Reading) and/or 574, 561 (Counselling), 569, 570, 572, 575, 579, 584, 585, 593, Music 401.

INDUSTRIAL EDUCATION

353. Design in Industrial Education. (C)

Functional, structural and aesthetic aspects of design applied to Industrial Education projects.

Limited to 18 students.

B.C. Vocational School, Burnaby, Building 7.

Ten hours lectures and ten hours laboratory a week—3 units.

8:00 a.m. - 12 noon.

Mr. Lewis.

354. Oxy-Acetylene and Arc Welding. (A)

(a) Oxy-Acetylene Welding: fusion welding mild steel, flame-cutting, welding mild steel pipe, testing and inspection of welds, hard facing, bronze welding, silver alloy brazing, welding cast iron and aluminum.

(b) Arc Welding: practice in the common type of welds, penetration cutting, hard facing, bronze welding.

Limited to 15 students per section.

Prerequisite: Education 150.

Section 1: 8:00 a.m. — 10:00 a.m.

Section 2: 10:00 a.m. — 12:00 noon.

Vancouver Technical School, Welding Shop.

Four hours lectures and six hours laboratory, per section, a week—3 units.

Mr. Held.

355. Electricity in Industrial Education II. (C)

Single and polyphase circuit analysis; alternating current machinery and controls; generation and distribution of electrical energy.

Limited to 16 students.

Pre-requisite: Education 230.

Kitsilano Sr. Secondary School, Electrical Laboratory.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Graham.

356. Electronic Fundamentals I. (A)

Electronic Fundamentals, tubes and transistors and their characteristics, power supplies, oscillators, amplifiers, test equipment and fault-finding, and circuit analysis.

Limited to 18 students.

B.C. Vocational School, Burnaby, Building 7.

Ten hours lectures and ten hours laboratory a week—3 units.

357. Industrial Coatings. (A)

Theory and practice of applying industrial finishing materials; manual and mechanical application to wood, metal and synthetic surfaces.

Limited to 18 students.

Prerequisite: Education 350, 351.

Section 1: 8:00 a.m. - 10:00 a.m.

Section 2: 10:00 a.m. - 12.00 noon

B.C. Vocational School, Burnaby, Building 3.

Five hours lectures and five hours laboratory, per section, a week—1½ units.

Mr. Merriam.

358. Electronics in Industrial Education II. (B)

Data generation, transmission, and receiving systems; principles of HF, VHF, UHF, and microwave communication systems. R. F. measurements.

Limited to 18 students.

Prerequisite: Education 356.

Course to be offered: 8:00 a.m. - 12:00 noon.

B.C. Vocational School, Burnaby, Electronics Department.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Berkey.

359. Millwork Theory and Practice. (A)

Furniture and fixture design; layout and production; custom and mass production methods; prefabrication techniques.

Limited to 18 students.

Prerequisite: Education 350.

Course to be offered 1:00 - 5:00 p.m.

Vancouver Technical School, Senior Shops.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Douglas.

360. Power Mechanics Theory and Practice. (C)

Heat engines—internal and external combustion types; fuels; mechanical and hydraulic power transmission; power control.

Limited to fifteen students per section.

Section 1: 8:00 - 12:00 noon—Mr. Trant.

Section 2: 1:00 - 5:00 p.m.—Mr. Southard.

B.C. Vocational School Building 3A.

Ten hours lectures and ten hours laboratory, per section, a week—3 units.

361. Measurement Theory and Practice. (A)

Principles and practices of electrical measurements; design and construction of measurement devices.

Limited to 18 students.

Prerequisites: Education 230.

Section 1: 1:00 p.m. - 3:00 p.m.
Section 2: 3:00 p.m. - 5:00 p.m.

B.C. Institute of Technology, Burnaby. Electronics Department.

Ten hours lectures and ten hours laboratory a week—1½ units.
Mr. Hopkins.

452. Technology of Woodworking III. (A)

A course designed to develop knowledge and skills in all phases of small frame house construction.

Limited to 18 students.

Prerequisite: Education 150.

Vancouver Technical School, Senior Shops, 1 p.m. - 5 p.m.

Ten hours lectures and ten hours laboratory a week—3 units.

453. Auto Mechanics I. (A)

General construction of the automobile; power plant; auxiliary systems; fuel, carburetion; lubrication; cooling system; clutch and gear box; rear axles; drive shafts and universal joints; front axles and steering gears; brakes; miscellaneous.

Limited to 18 students per section.

Pre-reading recommended: Stockel, *Auto Mechanics,* Goodhart Wilcox Co., latest edition.

The course will be offered from 1 p.m. - 5 p.m.

Vancouver Technical School, Automotive Shop.

Ten hours lectures and ten hours laboratory a week—3 units.
Mr. Sinclair.

457. Technology of Metalworking III. (B)

Methods of forming, joining, machining, heat treatment and finishing of metals. Design analysis and the development of manufacturing techniques.

Limited to 18 students.

Prerequisite: Education 451.

Course will be offered 1:00 p.m. - 5:00 p.m.

B.C. Vocational School, Burnaby, Building 3.

Ten hours lectures and ten hours laboratory—3 units.
Mr. Johnstone.

458. (a) Problems in Graphic Representation. (A)

Specific drafting problems associated with each of the following specialties: (a) Construction: millwork and furniture drawings, small boat design; national and local building codes; descriptive geometry. (b) Metals-Mechanics: surface development: gearing; descriptive geometry. (c) Electricity-Electronics: layout and representation of problems in electrical and electronic design.

Limited to 18 students.

Prerequisite: Education 252.

Section 1: 8:00 a.m. - 10:00 a.m.
Section 2: 10:00 a.m. - 12:00 noon.

B.C. Vocational School, Burnaby, Building 7.

Ten hous lectures and ten hours laboratory a week—1½ units.
Mr. Collis.

458. (b) (B)

Limited to 18 students.

Section 1: 8:00 a.m. - 10:00 a.m.

Section 2: 10:00 a.m. - 12:00 noon.

Vancouver Technical School, Senior Drafting Room.

Ten hours lectures and ten hours laboratory a week—1½ units.

Mr. Tate.

458. (c) (C)

Limited to 18 students.

Section 1: 1:00 p.m. - 3:00 p.m.

Section 2: 3:00 p.m. - 5:00 p.m.

B.C. Vocational School, Burnaby, Building 7.

Ten hours lectures and ten hours laboratory a week—1½ units.

Mr. Kirchner.

464. Technology of Building Construction II. (B)

Design and construction of industrial commercial buildings; level and transit; estimating and contracting.

Limited to 18 students.

Prerequisites: Education 350, 452.

Course offered 8:00 a.m. - 12:00 noon.

Vancouver Technical School, Senior Woodshop.

Ten hours lectures and ten hours laboratory a week—3 units.

467. Automotive Theory and Practice II. (B)

Advanced automotive design and repair; diagnosis of mechanical and electrical faults; evaluation of modern servicing procedures.

Limited to 18 students.

Prerequisite: Education 453.

Course will be offered 8:00 a.m. - 12:00 noon.

Vancouver Technical School, Automotives Shop.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Alexander.

ENGLISH

100. Literature and Composition. (A)

A study of modern literature and of the principles of composition. Essays and class reports required.

Pre-reading required: O'Neill, *Long Day's Journey into Night;* Fitzgerald, *The Great Gatsby*. On the second day of Summer Session there will be an examination on these two books.

Limited to 18 students per section.

Ten hours lectures and discussions a week—5 units.

Mr. Layman, Mr. McNeal.

200. Literature and Composition. (A)

A detailed reading list is available from the Secretary, Buchanan 469.

A study of literature from Chaucer to the nineteenth century. Themes and exercises are required.

Limited to 35 students per section.

Prerequisite: English 100.

Pre-reading: Preliminary reading is required: about 20% of the total credit for the course will be given on the results of an examination held during the first

week of the Summer Session term and covering the following: Shakespeare, *Othello* (Signet); Swift, *Gulliver's Travels* (Macmillan); Austen, *Pride and Prejudice* (H. Mifflin); Dickens, *Great Expectations* (Macmillan); Eliot, *Middlemarch* (H. Mifflin).

Ten hours lectures a week—3 units.

Mrs. Blom, Mr. Goldberg, Mr. Ingram, Mr. Klinck, Mrs. Nygard, Mr. Siemens, Mrs. Stockholder.

303. English Composition. (A)

A study of the principles and practice of good writing. For students in the Faculty of Education only.

Since this course is now offered by correspondence, enrolment in the Summer Session will be limited to sections of 15 students each who will be chosen in order of priority as follows:

(a) those who need only this course, or this course and 3 other units, to graduate.
(b) those who are majoring in science on the secondary programme and require the course in lieu of English 200 for the E.B. certificate.
(c) those who previously failed English 300 or 303.

(Please indicate your priority on your registration material.)

Limited to 15 students per section.

Pre-reading recommended: Altick, *Preface to Critical Reading.*

Ten hours lectures a week—3 units.

Mr. Dickson, Mr. Hart, Mrs. Livesey, Mrs. McCready, Mrs. Ross, Mrs. Sinclair, Mr. Taylor.

304. Advanced English Composition. (A)

This course offers students practice in the writing and criticism of essays and prose composition in general. Competent use of the English language is prerequisite. The course is open to certain students in the Faculty of Education, and to others by consent of the instructor.

Limited to 15 students per section.

Pre-reading recommended: Read, *English Prose Style.*

Ten hours lectures a week—3 units.

Mr. Berland and Mrs. Robertson.

309. Modern English and Its Background. (A)

After the necessary introduction to linguistic methods the course will examine a number of traditional and contemporary descriptions of modern English phonetics, phonology, grammar and vocabulary. Some attention will be given to theories of usage, to dialect geography, and to lexicography. The course is primarily concerned with modern English but some time will be spent on the history of the English dictionary, the history of English grammar etc. A detailed reading list is available from the Department Secretary, Buchanan 469.

Pre-reading recommended: Bloomfield, *Language* (Holt, Rinehart and Winston); Curme *English Grammar* (Barnes and Noble).

Ten hours lectures a week—3 units.

Mr. Bowers.

311. Children's Literature. (A)

A survey of children's literature from early sources to recent books. An historical approach to the appraisal of books and authors for children. For credit only in the Faculty of Education.

Limited to 40 students per section.

Pre-reading required: *Bulfinch's Mythology* (Laurel); David, *The Twelve Dancing Princesses* (Signet); Defoe, *Robinson Crusoe* (Signet); Grahame, *Wind in the Willows;* Graham, *A Puffin Book of Verse* (Penguin).

Ten hours lectures a week—3 units.

Mr. Ashley, Mr. Ball, Miss Dorosh, Mrs. Haddon, Mr. Morisset.

321. Approaches to Poetry. (B)

Critical studies of representative English poems grouped according to form and content.

Pre-reading required: Wordsworth, "Preface" to the second edition of *Lyrical Ballads;* Coleridge, *Biographia Literaria,* Chapt. XIV; Shelley, *A Defence of Poetry.*

Limited to 35 students.
Ten hours lectures a week—3 units.
Mr. Levitan.

340. The English Novel. (B)

A critical introduction to the major English novelists of the eighteenth, nineteenth, and early twentieth centuries. Critical theories of the novel form, its development and changing techniques, will be discussed mainly through a detailed study of selected novels.

Limited to 40 students.

Pre-reading required: Defoe, *Moll Flanders;* Richardson, *Clarissa;* Lewis, *The Monk;* Fielding, *Tom Jones;* Sterne, *Tristram Shandy;* Burney, *Evelina;* Austen, *Pride and Prejudice, Persuasion.*

Ten hours lectures a week—3 units.
Mr. Rosengarten.

355. Chaucer. (B)

Chaucer, his contemporaries and his followers, including a detailed study of Chaucer's major works.

Pre-reading recommended: *The Canterbury Tales.*

Ten hours lectures a week—3 units.
Mr. Nygard.

365. Shakespeare (A)

Detailed study in class of eight plays: *Richard III, As You Like It, Twelfth Night, Julius Caesar, Othello, Macbeth, Coriolanus,* and *The Tempest.* Home reading: *The Taming of the Shrew, Richard II, All's Well That Ends Well* and *Timon of Athens.*

Limited to 35 students.

Pre-reading required: C. W. Hodges, *Shakespeare's Globe Restored;* E. M. W. Tillyard, *The Elizabethan World Picture;* Hardin Craig, *The Enchanted Glass;* J. E. Neale, *Queen Elizabeth I;* F. E. Halliday, *The Life of Shakespeare.*

Ten hours lectures a week—3 units.
Mr. Wigod.

366. Shakespeare. (A)

Detailed study in class of eight plays: *Romeo and Juliet, A Midsummer Night's Dream, The Merchant of Venice, Henry V, King Lear, Measure for Measure, Antony and Cleopatra* and *The Winter's Tale.* Home study: *Henry IV, Parts I and II, Love's Labours Lost,* and *Troilus and Cressida.*

Limited to 35 students.

Pre-reading required: C. W. Hodges, *Shakespeare's Globe Restored;* E. M. W. Tillyard, *The Elizabethan World Picture;* Hardin Craig, *The Enchanted Glass;* J. E. Neale, *Queen Elizabeth I;* F. E. Halliday, *The Life of Shakespeare.*

Ten hours lectures a week—3 units.

380. Eighteenth-Century Literature. (B)

The age of Pope, and the Age of Johnson, including studies of representative authors such as Swift, Gray, Goldsmith, Burns and Blake.

Pre-reading required: Swift, *Tale of a Tub* (Macmillan of Canada) ; Defoe, *Moll Flanders* (Rinehart) ; Boswell, *Life of Johnson* (Scribner) .

Limited to 35 students.
Ten hours lectures a week—3 units.
Mrs. Mackenzie.

391. The Romantic Period. (A)

Chiefly Wordsworth, Coleridge, Byron, Shelley, and Keats. A detailed reading list is available from the Department Secretary, Buchanan 469.

Limited to 35 students.

Pre-reading required: Blake, *The Book of Thel;* Wordsworth, *Prelude,* Bks. I, II, and XIV; Coleridge, *Biographia Literaria,* XIV, XVII, XXII; Byron, *Don Juan,* Canto the First; Shelley, *Prometheus Unbound,* Acts I, IV.

Ten hours lectures a week—3 units.

Mr. Siemens.

392. Victorian Poetry. (A)

Chiefly Tennyson, Browning, and Arnold. Other poets will also be studied. A detailed reading list is available from the Department Secretary, Buchanan 469.

Pre-reading required: Students should read the longer poems by Tennyson and Browning.

Limited to 35 students.

Ten hours lectures a week—3 units.

Mr. Fredeman.

420. Modern Period. (B)

The course gives a detailed study of selected texts and a knowledge of the ideas and social forces, especially as revealed through the literature of the period 1870-1914. A detailed reading list is available from the Department Secretary, Buchanan 469.

Limited to 35 students.

Ten hours lectures a week—3 units.

429. Contemporary Literature. (A)

The course deals with English literature written between 1914 and the present. It offers a detailed study of selected texts and a general knowledge of the social, intellectual, and artistic trends of the period.

Limited to 35 students.

Pre-reading recommended: Lawrence, *Women in Love, The Rainbow;* Woolf, *To the Lighthouse;* Forster, *A Passage to India;* Joyce, *Brave New World;* E. Waugh, *Decline and Fall.*

Ten hours lectures a week—3 units.

Mr. Yeomans.

440. Canadian Literature. (B)

A survey of the literature in English with some attention to major French-Canadian works in translation. A detailed reading list is available from the Department Secretary, Buchanan 469.

Limited to 35 students.

Pre-reading required: McCulloch, *The Stepsure Letters;* Hiebert, *Sarah Binks;* Ross, *As for Me and My House;* Wilson, *The Innocent Traveller;* Richler, *The Apprenticeship of Duddy Kravitz.*

Ten hours lectures a week—3 units.

Mr. MacRae.

454. American Fiction. (B)

A study of the major American novelists from Cooper to Faulkner.

Limited to 35 students.

Pre-reading recommended: Crane, *The Red Badge of Courage;* Hawthorne, *The Scarlet Letter;* Melville, *Moby-Dick;* Twain, *Huckleberry Finn;* James, *Portrait of a Lady;* Dreiser, *An American Tragedy.*

Ten hours lectures a week—3 units.

Mr. Seamon.

530. Graduate Seminar. (A)

The Romantic Period—Blake.

Limited to twelve graduate students in full standing.

Permission to enrol must be obtained from the Graduate Secretary, Department of English, Buchanan 471.

Ten hours a week—3 units.
Mr. Nurmi.

FINE ARTS

NOTE: *The following courses are for credit only in the Faculty of Education, with the exception of Fine Arts 125, 228 and 325, which are for credit in the Faculty of Arts or Science. Students enrolling in Education Fine Arts courses above the "300" level must be prepared to submit art work to their instructor on the first day of lectures. The work submitted should show evidence of serious extra-curricular effort and will assist the instructor in guiding the student.*

101. History of the Fine Arts. (A)

History of music, art and architecture with emphasis upon the cultural development of mankind throughout the ages. Appreciation and understanding will be encouraged, through illustration and discussion of major works.

For credit only in the Faculty of Education.

Ten hours lectures a week—3 units.
Mr. De Coursey.

125. History of Art. (A)

A survey of the history of architecture, painting and sculpture of the Western World from Ancient Egypt and Mesopotamia to the present.

Pre-reading recommended: H. W. Jansen, *History of Art,* (Prentice-Hall Inc. and Harry N. Abrams Inc., New York, 1962.)

Ten hours lectures a week—3 units.
Mr. Horn.

228. Design Fundamentals. (A)

An intensive and advanced study of line, shape, light, texture, colour, space, through creative experiments closely related to illustrated lectures and demonstrations.

Limited to 30 students.

Pre-reading required: Gregory Battcock, *The New Art;* Maurice de Sausmarez, *Basic Design: The Dynamics of Visual Form.*

Pre-reading recommended: Daniel Page, *The Nature of Design;* Joseph W. Krutch, *The Great Chain of Life.*

Two hours lectures and eighteen hours laboratory a week—3 units.
Mr. Gilbert.

300. Introduction to the Plastic and Graphic Arts. (A)

Experiment and study in various media of art expression as a basis for advanced work towards an art major. This course is an introduction to the four major areas—painting, ceramics, design and print-making. Students will be expected to submit a sketch book of work as part of the final mark.

For credit only in the Faculty of Education.

Limited to 25 students majoring in Art.

Prerequisite: Fine Arts 101.

Sketch Book required, obtainable at University Book Store.

Ten hours lectures and ten hours laboratory a week—3 units.
Miss Diemert.

301. Drawing and Composition. (B)

A basic course in drawing in various media. A study of the fundamentals of composition and picture analysis.

For credit only in the Faculty of Education.

Limited to 20 students majoring in Art.

Prerequisites: Fine Arts 101 and 300, completed with adequate standing.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Black.

305. Design I. (B)

This course will include studio experiment in both two and three dimensional design problems with the purpose of developing a fuller understanding of the fundamental design principles.

Limited to a total of 15 students for Fine Arts 305, 405, 415.

Prerequisites: Fine Arts 300 and 302 or equivalent courses.

Ten hours lectures and ten hours laboratory a week—3 units.

Mrs. Gouldstone.

307. Graphic Arts I. (B)

This course includes instruction in the basic techniques of relief printing (lino cuts, wood-cuts, wood engravings); also experimental techniques in silk screen printing.

Limited to a total of 15 students for Fine Arts 307, 407, 417.

Prerequisites: Fine Arts 300 and 302 or equivalent courses.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Steele.

325. Medieval Art. (C)

Byzantine and early Christian art; Romanesque and Gothic art and architecture.

Prerequisite: Fine Arts 125 or 101.

Ten hours lectures and discussions a week—3 units.

Mr. McNairn.

401. Painting I. (A)

The skills and techniques of the medium will be developed by experiments and problems. Studio and outdoor subjects will be used. A sketch book must be submitted as part of the final mark.

Prerequisites: Fine Arts 300 and 302 or equivalent courses.

Limited to 20 students. For credit only in the Faculty of Education.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. MacDonald.

402. Painting II. (A)

The skills and techniques of the medium will be developed by experiments and problems. Studio and outdoor subjects will be used. A sketch book will be submitted as part of the final mark.

Prerequisite: F.A. 401.

Limited to 20 students. For credit only in the Faculty of Education.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Anderson.

405. Design II. (B)

This course will apply experiment and technique to specific design problems with emphasis on such aspects of design as interest decoration, industrial design and fabric design.

Limited to a total of 15 students for Fine Arts 305, 405, 415.

Prerequisite: Fine Arts 305 or equivalent course.

Ten hours lectures a week—3 units.

407. Graphic Arts II. (B)

This advanced course will include study in intaglio printing (etching, dry-point)

as well as planographic printing (lithography). Emphasis will be placed on creative experimentation in these two graphic art techniques.

Limited to a total of 15 students for Fine Arts 307, 407, 417.

Prerequisite: Fine Arts 307 or equivalent course.

Ten hours lectures a week—3 units.

415. Design III. (B)

A special study in an advanced field of design.

Limited to a total of 15 students for Fine Arts 305, 405, 415.

Prerequisite: Fine Arts 405.

Ten hours lectures a week—3 units.

417. Graphic Arts III. (B)

A special study of an advanced field of graphic arts.

Limited to a total of 15 students for Fine Arts 307, 407, 417.

Prerequisites: Fine Arts 407 or equivalent courses.

Ten hours lectures a week—3 units.

FRENCH

110. First Year French. (A)

Prerequisite: French 11 or 20.

Ten hours lectures a week—3 units

Mr. Arnold, Miss Purkis.

120. French Language and Literature, Part I. (A)

Prerequisite: French 92.

Pre-reading required: Jean-Paul Sartre, *Les Jeux sont faits.* (ed. Storer).

Ten hours lectures a week—3 units.

Mr. Hamlin.

210. Second Year University French. (A)

Prerequisite: French 110.

Pre-reading required: Bauer, *La France Actuelle,* Houghton Mifflin Co., Chapters 2, 10, and 11.

Ten hours lectures a week—3 units.

Mr. Holdaway, Mr. Niederauer.

220. French Language and Literature, Part II. (A)

Prerequisite: French 120 or First Class Standing in French 110.

Pre-reading required: *Forme et fond,* pp. 201-346.

Ten hours lectures a week—3 units.

Miss Brearley.

223. Practice in Speech and Writing. (A)

Composition, oral practice, translation. **N.B** Students will be permitted to take French 210 and French 223 **concurrently** only if they have achieved first class standing in French 110.

Limited to 25 students.

Ten hours lectures a week—3 units.

Mr. Panter.

302. Studies in French Language and Style. (A)

Composition, syntax, versification, advanced translation and oral practice.

Limited to 20 students.

Ten hours lectures a week—3 units.

Mr. Treil.

304. Advanced Studies in French Language and Style. (A)

Stylistics, textual analysis, translation.

Limited to 20 students.

Prerequisite: French 302.

Ten hours lectures a week—3 units.

Mr. Baudouin.

306. French Phonetics. (C)

Theory and practice of French pronunciation.

Limited to 30 students.

Pre-reading recommended: (1) Fouché, P., *Traité de Prononciation Française* - Introduction pp. IX - LXIII. (2) Peyrollaz, M., Bara de Tovar, M. L. *Manuel de Phonétique et de diction françaises à l'usage des étrangers.*

Five hours lectures and five hours laboratory a week—3 units.

Miss White.

409. Literature of the Seventeenth Century. (B)

Representative authors with emphasis on Corneille, Racine, Molière, Descartes, Pascal, LaFontaine, Boileau and La Bruyère.

Prerequisite: French 220 or French 210 followed by French 223.

Pre-reading required: In Lagarde et Michard: *XVIIe Siècle*; Introduction and the following chapters: La Poésie de Malherb à Saint-Amant; Précieux et Burlesques; Descartes; Le Théâtre.

Pre-reading recommended: Lagarde et Michard: *XVIIe Siècle* in its entirety; *Le Cid; Polyeucte* and *Les Précieuses Ridicules.*

Ten hours lectures a week—3 units.

Miss Dallas.

415. The Twentieth-Century Novel. (B)

Representative works and significant trends.

Ten hours lectures a week—3 units.

Father Barjon.

GEOGRAPHY

100. The Geography of Culture and Environment. (A)

An introduction to the geographic analysis of relationships of man, culture an environment.

Enrolment limited to 200.

Ten hours lectures and four hours practical a week—3 units.

(Practicals meet throughout each day and will be assigned at the first lecture).

Miss Wright.

101. Introduction to Physical Geography. (A)

Weather and climate; origin and distribution of landforms with particular reference to North America; introductory map reading.

Limited to 125 students.

(Geography 101 may be credited as a science elective in the B.A. or the B.Ed. Programmes.)

(Laboratory periods are available throughout each day and will be assigned at the first lecture).

Ten hours lectures and eight hours laboratory a week—3 units.

Mr. Cunningham.

306. Natural Resources and World Affairs. (C)

Economic geography with reference to selected topics concerning land resources, population, air pollution, transportation and water, with emphasis on recreation and conservation ethics.

Prerequisite: Geography 100 or 201 recommended.

Ten hours lectures a week—3 units.

Mr. Greenwood.

307. Political Geography. (C)

The viability of political regions in terms of the relationships between political process and territory. Selected political geographic problems.

Prerequisite: Geography 100 or 201 recommended. Available for history majors.

Ten hours lectures a week—3 units.

Mr. House.

407. Historical Geography of Anglo-America. (C)

The geography of exploration and settlement; development of transportation patterns; changing patterns of resource utilization; the frontier concept; the evolution of settlement patterns in selected regions.

Prerequisite: Geography 100 or 201.

Ten hours lectures a week—3 units.

Mr. Ross.

408. Geography of Europe. (C)

Regional geography-distribution patterns of landforms, climate, natural resources, population; specific study of selected regions.

Prerequisite: Geography 101.

Ten hours lectures a week—3 units.

Mr. Houston.

GEOLOGY

105. General Geology. (A)

Physical and historical geology. Origin and structure of the earth, materials of the earth, diastrophism, erosion, land forms, mineral deposits, history of the earth and the development of life.

Ten hours lectures and ten hours laboratory a week—3 units.

Mr. Libby.

GERMAN

100. First Year German. (A)

Introduction to the language.

Ten hours lectures and laboratory a week—3 units.

Mr. Frey.

200. Second Year German. (A)

Reading grammar, composition.

Prerequisite: German 100.

Ten hours lectures a week—3 units.

Mr. Beaumont.

350. German Literature, 1700-1800. (B)

Representative works with emphasis on the drama of Lessing, Goethe and Schiller.

Pre-reading required: *Minna von Barnhelm; Emilia Galotti.*

Pre-reading recommended: *Nathan der Weise, Faust I.*

Ten hours lectures per week—3 units.

Mr. McNeely.

401. Twentieth-Century Drama. (C)

Critical interpretation of representative dramas from Naturalism to the present.

Pre-reading recommended: List of recommended texts available in the office of the German Department.

Ten hours lectures a week—3 units.

Mr. Genno.

HISTORY

202. History of Canada. (A)

Pre-reading required: McInnis, *Canada.*

Ten hours lectures a week—3 units.

212. History of the United States of America. (C)

A survey lecture course covering the entire span of American history in which social, cultural and economic factors will be stressed against the unfolding pattern of political change that has brought the American nation from a status of colonial dependency, through civil strife to world power position.

Pre-reading required: John A. Garraty, *The American Nation: A History of the United States.* (NY: Harper & Row 1966) , pp. 1-139, Random House.

Pre-reading recommended: Henry Nash Smith, *Virgin Land.* N.Y. Vintage, 1957; W. J. Cash, *The Mind of the South.* NY: Doubleday, Anchor, 1954.

Ten hours lectures a week—3 units.

Mr. Lee.

304. Social and Economic History of the Middle Ages. (C)

Pre-reading required: H. Pirenne, *Economic & Social History of Medieval Europe;* P. Boissonade, *Life & Work in Medieval Europe.*

Pre-reading recommended: M. Heaton, *Economic History of Europe;* S. Painter, *Medieval Society.*

Ten hours lectures a week—3 units.

Mr. Hodgett.

310. British Imperial History. (C)

An analysis of British Colonial and Imperial policy and ideas from the founding of the First British Empire to the present day. Readings to be assigned.

Ten hours lectures a week—3 units.

Mr. Hamilton.

318. England Under the Tudors and Stuarts, 1485-1688. (C)

Pre-reading recommended: A. R. Myers, *England in the Late Middle Ages* (Penguin) ; George Holms, *The Late Middle Ages* (Nelson) .

Ten hours lectures a week—3 units.

Miss Elder.

326. British North America, 1763-1867. (B)

The economic, social, and political development of the British colonies in North America from the cession of New France to Confederation.

Ten hours lectures a week—3 units.

Mr. Upton.

407. History of Modern Germany. (B)

This course describes the development of the main political, constitutional, economic, and social events in Germany during the 19th and 20th Centuries. A reading knowledge of German is desirable. Readings will be assigned.

Pre-reading recommended: Marshall, Dill, Jr., *Germany: A Modern History* (Ann Arbor, University of Michigan Press, 1961); G. Barraclough, *The Origins of Modern Germany* (Oxford, Basil Blackwell, 1952), John A. Hawgood, *The Evolution of Germany* (London, Methuen, 1955).

Ten hours lectures a week—3 units.
Mr. Emerson.

426. Canada After 1867. (B)

A survey of the main features of political and economic development of Canada after 1867, with some consideration of foreign policy.

Ten hours lectures a week—3 units.
Mr. Humphries.

429. History of the American West. (B)

Political, social and economic changes in the Trans-Mississippi West from 1800.

Pre-reading required: Bernard DeVoto, *The Course of Empire,* Sentry Edition (Paper) Houghton Mifflin; Ray Billington, *The Frontier Thesis,* American Problems Studies (paper) Holt, Rinehart.

Ten hours lectures a week—3 units.
Mr. Smith.

HOME ECONOMICS

101. Design Fundamentals. (B)

A study of the basic visual elements and the fundamental principles and concepts of design; purpose of design.

Note: H.E. 101 and 403 are presented as a 3-unit course and must be taken in that manner.

Limited to 30 students.

Ten hours lectures and six hours laboratory a week—1½ units.
Mr. Stearns.

105. Food Management I. (B)

General and scientific aspects of food preservation, processing and preparation. Composition structure, properties of food; effects of environmental conditions and added ingredients.

Limited to 30 students.

Ten hours lectures and six hours laboratory a week—3 units.
Miss Smith.

300. Home Management I. (B)

Management as an integrating force towards the realization of family goals and values; the decision-making function in management. Consideration of resources available within the family and its social setting.

Limited to 30 students.

Ten hours lectures and six hours laboratory a week—3 units.

403. Elements of Housing Design. (B)

A study of housing design and the effects on it of the following influential factors: fundamental design principles, architectural design concepts, human physical and psychological needs, certain sociological factors, technology.

Note: H.E. 101 and 403 are presented as a 3-unit course and must be taken in that manner.

Limited to 30 students.

Ten hours lectures and six hours laboratory a week—1½ units.
Mr. Stearns.

ITALIAN

100. First Year Italian. (B)

Grammar, reading, conversation.

Pre-reading recommended: *Listen and Learn Italian,* 3 records and manual, Dover Publications.

Ten hours lectures a week—3 units.
Miss Giese.

Note: Italian 200 is proposed for 1968.

LATIN

120, 200, 210, 220, 401 or 521. Composite Course in Latin. (A)

Intended primarily for students attending the Summer Session. A substantial amount of a Roman author (in 1967, Cicero) will be read, partly in the original and partly in English translation, the amount of the original varying with the student's preparation. Students desiring credit in Latin 120, 200, 210, 220, 401 or 521 will register for this course under the appropriate number and will receive three units of credit upon the successful completion of the appropriate amount of work. Students who have failed Latin 110 in the winter session will not be admitted.

Prerequisite: Latin 100 or equivalent (at least second class).

Pre-reading required: For Latin 200: the first five units of Ullman and Henry, *Second Latin Book,* or the equivalent.

Ten hours lectures a week—3 units.
Mr. Marsden.

MATHEMATICS

120. Fundamental Mathematics. (A)

Algebra, geometry, trigonometry, introduction to calculus. This course is recommended for students taking two sciences in First Year and intending to take Engineering, Architecture or a major or an Honours Course in science or mathematics.

Prerequisite: Mathematics 91 or equivalent.

Ten hours lectures a week—3 units.
Mr. Rogak.

200. Algebra and Geometry. (B)

Mathematical induction, complex numbers, polynomials, matrices and determinants, conics and solid analytic geometry.

Prerequisite: Mathematics 120.

Ten hours lectures a week—3 units.
Mr. Kennerley.

202. Calculus. (B)

Differential and integral calculus, with applications.

Prerequisite: Mathematics 120.

Ten hours lectures a week—3 units.
Mr. Smith.

203. Elementary Mathematics for Teachers. (A)

Ordinarily limited to Faculty of Education students who have attended the course in the winter session and failed to obtain credit in the April examination.

Students should not register for another course.

Ten hours lectures a week—3 units.
Mr. Bates, Mr. Bergsma.

300. Calculus II. (A)

Differential and integral calculus with applications.

Prerequisite: Mathematics 202 or 220.

Ten hours lectures a week—3 units.
Mr. Froderberg.

302. Introduction to Numerical Analysis. (B)

Interpolation, numerical differentiation and integration, least squares approximation, solution of non-linear equations, generation of random numbers and simulation, principles of programming and problem planning.

Prerequisite: Mathematics 300, 321 or 323 (which may be taken concurrently); Computer Science 201 is recommended.

Ten hours lectures a week—3 units.
Mr. Leimanis.

306. Topics in Geometry. (A)

A study of various geometries with some attention to the foundations of the subject.

Prerequisite: Mathematics 200.

Ten hours lectures a week—3 units.
Mr. Macskasy.

307. Linear Algebra. (B)

Vector spaces, linear mappings, linear equations and matrices, linear inequalities and convex sets, inner products and norms, quadratic forms.

Prerequisite: Mathematics 200.

Ten hours lectures a week—3 units.
Mr. Chang.

308. Topics in Algebra. (A)

The number system; groups, rings, and fields; theory of numbers and of polynomials over a field; matrices, determinants, and systems of linear equations.

Prerequisite: Mathematics 202 or 220.

Ten hours lectures a week—3 units.

321. Advanced Calculus. (C)

Partial differentiation, integrals over manifolds, special functions, ordinary differential equations.

Prerequisite: At least Second Class standing in each of Mathematics 220 and 221.

Ten hours lectures a week—3 units.
Mr. Bressler.

411. Complex Variables. (B)

Elementary functions, conformal mapping, integration, Taylor and Laurent Series, residues, singularities, meromorphic functions, analytic continuation, elliptic functions.

Prerequisite: Mathematics 300.

Ten hours lectures a week—3 units.
Mr. Adams.

Note: Students who planned to take Math. 410 should enrol in Math. 411.

530. Permutation Representations of Finite Groups. (C)

Prerequisite: Mathematics 400 and 401, or the equivalent.

Ten hours lectures a week—1-3 units.
Mr. Snapper.

531. Fourier and Hilbert Transformations. (C)

Prerequisite: Mathematics 400 and 401, or the equivalent.

Ten hours lectures a week—1-3 units.
Mr. Rooney.

535. Asymptotic Methods. (C)

Prerequisite: Mathematics 400 and 401, or the equivalent.

Ten hours lectures a week—1-3 units.
Mr. Kazarinoff.

MICROBIOLOGY

200. Introductory Microbiology. (A)

Structure and function of bacterial and related microorganisms, bacterial growth and metabolism, virus replication, bacterial genetics, chemotherapy, body defences against disease, dynamics of bacterial infection, industrial microbiology and principles of bioassay.

Prerequisite: Biology 105 or equivalent.

This course is prerequisite to all other courses in the Department. It is a required course in Nursing, Pharmacy, Agriculture, and Home Economics.

7½ hours lectures and 7½ hours laboratory a week—3 units.

Mr. Bismanis, Mrs. Gerwing.

301. Microbiological Techniques. (C)

Theoretical principles underlying different methods of sterilization; microbiological procedures associated with the isolation, identification and determination of nutritional requirements of microorganisms; microbiological assays. This course is intended for students seeking a Major or an Honours degree in the Department.

Prerequisite: Microbiology 200.

Five hours lectures and ten hours laboratory a week—3 units.

Mr. Stock.

MUSIC

302. Instrumental Technics. (A)

Instruction in the playing and teaching technics of strings, brasses, woodwinds.

Limited to 25 students.

For credit only in the Faculty of Education.

Prerequisite: Music 201 or equivalent.

Pre-reading recommended: Prescott and Chichester, *Getting Results with School Bands,* Fischer.

Ten hours lectures and laboratory a week—3 units.

Mr. Rose.

303. Choral Music. (A)

Principles and technics of choral music.

Prerequisite: Music 201 or equivalent.

Pre-reading recommended: Wilson, *Artistic Choral Singing,* Schirmer.

For credit only in the Faculty of Education.

Ten hours lectures a week—3 units.

Mr. Gibbard.

320. History of Music. (B)

The development of music from *Circa* 1600 to the present day.

Prerequisite: Music 120 or equivalent.

Ten hours lectures a week—3 units.

Mr. Loban.

326. Music Appreciation. (A)

Designed for senior students with little or no musical background.

Limited to Third or Fourth Year students; or others with permission of the instructor.

Ten hours lectures a week—3 units.

Mr. Adaskin.

339. Opera Workshop I. (A)

Preparation of and participation in excerpt scenes and complete production

of operatic works of varied repertoire. Emphasis upon musical and dramatic styles and acting techniques.

Limited to 20 students.

Prerequisite: Pre-registration audition required.

This course will be given 7 - 10 p.m., Monday through Friday.

Fifteen hours lectures a week—3 units.

Mr. Tickner.

PHILOSOPHY

100. Introduction to Philosophy. (A)

A systematic presentation of the problems of philosophy with special emphasis on Plato and Hume.

Pre-reading recommended: Plato, *Euthyphro, Apology, Crito,* Liberal Arts Press.

Ten hours lectures a week—3 units.

Mr. Mullins.

212. Logic and Scientific Reasoning: (C)

Introductory deductive logic; the grounds of empirical knowledge; scientific procedures and attitudes; practice in criticising arguments. Students who intend to do further work in philosophy, mathematics and science should take Philosophy 302 rather than Philosophy 212.

Ten hours lectures a week—3 units.

Mr. Jackson.

PHYSICAL EDUCATION

Students registering for any of the following courses must attend organizational meetings which will be held in the Memorial Gymnasium on the first day of scheduled classes at the appropriate hour.

Note: Courses in Physical Education may not be taken for credit toward the B.A. or B.Sc. degrees.

101. Gymnastics I. (A)

A first course in gymnastics.

Limited to 40 students.

Pre-reading required: Hughes, *Gymnastics for Girls - A Competitive Approach for Teacher and Coach,* Ronald Press Company.

Pre-reading recommended: *Gymnastics and Tumbling,* The U-Five Association of America, United States Naval Institute, Annapolis, Maryland; Babbitt and Haas, *Gymnastics Apparatus Exercises for Girls,* Ronald Press Company.

One hour per day—1 unit.

Mrs. Gordon, Mr. Johnson.

201. Gymnastics II. (A)

A second course in gymnastics including theory of gymnastics.

Limited to 20 students per section.

Prerequisite: P.E. 101.

Pre-reading required: De Carlo, *Handbook of Progressive Gymnastics;* Hughes, *Gymnastics for Girls - A Competitive Approach for Teacher and Coach,* Ronald Press Company.

Pre-reading recommended: Ryser, *Tumbling and Apparatus Stunts;* Babbit and Haas, *Gymnastic Apparatus Exercises for Girls,* Ronald Press Company.

One hour per day—1 unit.

Mr. Whittle.

210. Basketball. (A)
Fundamentals, basic drills, simple offensive tactics.
Limited to 50 students.
One hour per day, July 3 - 25 inclusive—½ unit.
Mr. Pomfret.

213. Field Hockey. (B)
Fundamentals, basic tactics, rules.
Limited to 24 students.
One hour per day, July 26 - August 18 inclusive—½ unit.
Miss Schrodt.

218. Games, Contests and Relays. (A)
Relay, group and recreational games and activities.
Limited to 35 students.
One hour per day, July 26 - August 18 inclusive—½ unit.
Miss Schrodt.

219. Volleyball. (A)
Basic skills, rules, team tactics.
Limited to 40 students.
Pre-reading required: *Canadian Volleyball Annual and Rule Book, 1964.*
Pre-reading recommended: R.C.A.F., *How to Play Better Volleyball,* (Queen's Printer).
One hour per day, July 3 - 25 inclusive—½ unit.
Mr. Pomfret.

220. Badminton. (C)
Strokes, tactics, systems, rules, officiating. Teaching methods and tournament organization.
Limited to 44 students.
Pre-reading recommended: K. Davidson, *How to Improve Your Badminton,* The Athletic Institute, Merchandise Mart, Room 805, Chicago 54, Illinois.
One hour per day, July 3 - 25 inclusive—½ unit.
Mr. Johnson.

230. Swimming. (A)
Elementary swimming skills, strokes, entries, water safety.
Limited to 40 students.
One hour per day (12:30 - 1:25 p.m.), July 26 - August 18 inclusive—½ unit.
Miss Schrodt.

240. Dance. (A)
Ballroom: waltz, foxtrot, Latin-American dances.
One hour per day, July 26 - August 18 inclusive—½ unit.
Mr. Vincent.

242. Ballroom Dance II. (A)
Standard variations added to dances from course P.E. 240, plus basic figures and techniques of Samba and Tango.
Prerequisite: Physical Education 240.
One hour per day, July 26 - August 18 inclusive—½ unit.
Mr. Vincent.

243. Square Dance. (C)

Square and couple dance.

One hour per day, July 3 - 25 inclusive—½ unit.

Mrs. Penney.

244. National Dance. (A)

A practical study of the basic steps, dances and style characteristics of the folk dance of various countries.

One hour per day, July 26 - August 18 inclusive—½ unit.

Mrs. Gordon.

250. Track and Field I. (A)

Introduction to track and field. Sprinting, including 100 yards, 220 yards, and 440 yards. Sprint Relay Racing; Jumping Events; Women's Hurdling and Men's High Hurdles. Rules and tactics where applicable.

Limited to 30 students.

Pre-reading required: *Rules as above.*

Pre-reading recommended: *Instruction booklets of the Amateur Athletic Association, England; Athletics for Women,* D. L. Pugh and D. C. V. Watts, Hutchinson's, England.

One hour per day, July 3 - 25 inclusive—½ unit.

Mr. Pugh.

251. Track and Field II. (A)

Middle Distance Running, Hurdling (excluding those named in P.E. 250), Throwing events, Pole-vaulting.

Limited to 30 students.

Pre-reading required: *Rules as in description.*

Pre-reading recommended: As for P.E. 250.

One hour per day, July 3 - 25 inclusive—½ unit.

Mr. Pugh.

260. Principles of Physical Education. (A)

A study of fundamental principles, aims, objectives to formulate the students' professional point of view; a study of competition, its history, basic principles, and its place in education.

Pre-reading recommended: Editor: M. L. Van Vliet, *Physical Education in Canada,* Prentice-Hall, 1965.

One hour per day—1½ units.

Mrs. Penney.

262. Health I. (A)

An introduction to health education; body systems; growth and development, food habits and problems, personal hygiene.

Prerequisite: Second Year Standing or consent of Instructor.

Pre-reading required: McNaughton and Callander, *Illustrated Physiology.*

Pre-reading recommended: Miller and Burt, *Good Health.*

One hour per day—1½ units.

Mr. Whittle.

301. Gymnastics III. (C)

An advanced course in gymnastics. Teaching methods and technique, demonstration materials, tumbling, vaulting and apparatus activities.

Limited to 30 students.

Prerequisite: P.E. 101.

Pre-reading required: Bayley, *Gymnastics in the Schools.*

Pre-reading recommended: De Carlo, *Handbook of Progressive Gymnastics;* Szypula, *Tumbling and Balancing for All.*

One hour per day, July 26 - August 18 inclusive—1 unit.

Mr. Whittle.

310. Advanced Basketball. (A)

Team tactics; rules; coaching and officiating techniques; use and development of material.

Limited to 40 students.

Prerequisite: Physical Education 210.

Newell and Bennington, *Basketball Methods,* Ronald Press Company.

One hour per day, July 3 - 25 inclusive—1 unit.

Mr. Pomfret.

316. Soccer II. (B)

Team tactics; organization, coaching methods; rules refereeing.

Limited to 30 students.

Prerequisite: P.E. 216.

Pre-reading required: W. Winterbottom, *Modern Soccer,* East Ardsley, Wakefield, Yorkshire, England.

One hour per day, July 26 - August 18 inclusive—1 unit.

Mr. Johnson.

330. Swimming. (A)

Life-saving; advanced swimming; Red Cross Instructor's Certificate; teaching practice.

Limited to 30 students.

Prerequisite: Physical Education 230 (Test A) or equivalent.

One hour per day (12:30 - 1:25 p.m.) July 3 - 25 inclusive—1 unit.

Mr. Pomfret.

343. Square Dance II. (C)

Presentation of advanced square and couple dances—calling.

Prerequisite: P.E. 243.

One hour per day, July 26 - August 18 inclusive—1 unit.

Mrs. Penney.

361. Prevention and Care of Injuries. (B)

Limited to 35 students.

Prerequisite: Third Year standing or consent of Instructor.

Pre-reading required: *First Aid: St. John Ambulance, Chapters 1-16.*

One hour per day—1½ units. (Note: Laboratory on Tuesdays 4:30 p.m. - 6:30 p.m.)

Mr. Hindmarch.

460. Organization and Administration of Physical Education. (A)

A study of the problems relating to the organization and administration of physical education programmes.

Limited to 60 students.

Prerequisite: P.E. 260 or 360, and Fourth Year standing.

One hour per day—1½ units.

Mr. Hindmarch.

PHYSICS

110. Mechanics, Electricity and Atomic Structure. (A)

Prerequisite: Physics 11. Mathematics 120 must precede or be taken concurrently with this course.

Ten hours lectures and twelve hours laboratory a week—3 units.

Mrs. Howard.

200. Intermediate Physics. (B)

Statics, dynamics, properties of matter, sound, heat and kinetic theory of gases.

Prerequisite: Physics 101, 110 or 120; Mathematics 202 or 220 (may be taken concurrently).

Ten hours lectures and twelve hours laboratory a week—3 units.

Mr. Sobrino.

308. Physical Optics. (B)

Geometrical and physical optics; optical instruments, interference, polarization, spectroscopy.

Prerequisite: Physics 200 or equivalent.

Ten hours lectures and twelve hours laboratory a week—3 units.

400. Atomic and Nuclear Physics. (A)

The major phenomena in the fields of atomic and nuclear physics.

Prerequisite: Physics 300 or equivalent.

Ten hours lectures a week—3 units.

POLITICAL SCIENCE

200. Democratic Government and Politics. (B)

A basic course designed to introduce the student to the scope, problems, and methods of political science; a comparative and analytical inquiry into the political institutions and processes of Canada, the United Kingdom, and the United States.

Prerequisite: First Year Standing. (Not open to students who have taken political Economy 101.)

Pre-reading required: Dahl, Robert, *An Introduction to Political Analysis.*

Ten hours lectures a week—3 units.

Mr. Smiley.

300. History of Political Thought. (C)

Evolution of political ideas and various basic concepts of government, such as the theory of state, natural law, divine right of kings, social contract, sovereignty, political obligation and consent.

Ten hours lectures a week—3 units.

Mr. Irwin.

PSYCHOLOGY

100. Introductry Psychology. (A)

A scientific and practical study of the basic forms of human behaviour including the motivational, sensory, mental, social, modifiable, emotional, adjustive, individual, personal and transitional nature of human activity.

Ten hours lectures a week—3 units.

Mr. MacKay.

200. Experimental Psychology. (A)

The principles and methods of experimental psychology; use of elementary

statistics in analysis of data; laboratory demonstrations and individual research-projects.

Prerequisite: Psychology 100.

Eight hours lectures and four hours laboratory a week—3 units.

Mr. Raymond.

206. Dynamics of Behaviour. (A)

An experimental, dynamic and social approach to behaviour adjustment with special reference to applications.

Prerequisite: Psychology 100 or equivalent.

Ten hours lectures a week—3 units.

Mr. Storm.

305. Personality Theory. (A)

Approaches to personality theory, principal theoretical problems, theories of personality as represented by psychological systems.

Prerequisite: Psychology 200 or 206 or permission of instructor.

A reading list will be provided.

Ten hours lectures a week—3 units.

Mr. Signori.

400. Abnormal Psychology. (B)

The definition, history, and scope of deviant behavior with emphasis on psychological processes that bear on its origin, maintenance, and modification.

Prerequisites: Psychology 100 and 206 and 3 units of Third or Fourth year courses in Psychology. For fourth Year and graduate students only.

Pre-reading required: Any one of the following: Kimble and Garmezy, *Principles of General Psychology* (2nd ed.); Hilgard, *Introduction to Psychology* (3rd ed.); Morgan and King, *Introduction to Psychology* (3rd ed.); Ruch, *Psychology and Life* (6th ed.).

Ten hours lectures a week—3 units.

Mr. Papageorgis.

409. Cognitive Processes. (C)

A course on the higher mental processes described as problem-solving, concept formation, thinking, reasoning and their relationships to other functional processes.

Prerequisite: Psychology 100 and 206.

Ten hours lectures a week—3 units.

Mr. Knox.

RUSSIAN

100. Basic Russian. (A)

An introductory course. Grammar, reading, translation, oral practice.

Limited to 20 students.

Ten hours lectures a week—3 units.

Mr. Solecki.

300. Third-Year Russian. (B)

Translation and composition.

Prerequisite: Russian 200; first 10 lessons of S. Khavronina, *Russian As We Speak It.*

Ten hours lectures a week—3 units.

Mr. Zweers.

SOCIOLOGY

200. Introduction to Sociology. (A)

A general introduction to the sociological analysis of selected topics (such as values, work, stratification, kinship and socialization, particular social roles and the problem of national character) which together would constitute a broad description of a large scale society.

Readings to be assigned.

Ten hours lectures a week—3 units.

Mr. Rosenberg.

430. Comparative Study of Social Institutions. (C)

An analysis of the nature of modern industrial society, based on data for the U.S.A., Great Britain, U.S.S.R. and Japan.

Prerequisite: Sociology 200.

Ten hours lectures a week—3 units.

Mr. Jones.

SPANISH

100. First Year Spanish. (A)

Grammar, composition, translation, oral practice.

Ten hours lectures a week—3 units.

Mr. Kobbervig.

200. Second Year Spanish. (A)

Grammar, composition, translation, oral practice, readings.

Prerequisite: Spanish 100 or equivalent.

Pre-reading required: Zalacain, *el aventurero.*

Ten hours lectures a week—3 units.

Mr. McDonald, Miss Tomsich.

THEATRE

300. Theatre Practice. (A)

(a) Speech: breath support and control, tone production, articulation, inflection, interpretation, individual freedom of expression; (b) Acting: principles of acting, mime, interpretation of the role, class presentation of short scenes in various dramatic styles.

For credit in the Faculties of Arts and Education.

Limited to 20 students. Registration permitting, a small number of recommended non-credit students may be admitted to this course. (Application for admission of non-credit students must be made to the Department of Theatre not later than May 11, 1967.)

Pre-reading required: Tyrone Guthrie, *A Life in the Theatre.*

Ten hours lectures a week. Extra rehearsals as arranged—3 units.

Miss Mulholland.

301. Children's Theatre. (A)

A study of the psychological and creative approach to drama with children and to theatre for children in the Elementary School age, primary and intermediate divisions. The course will consist of lectures and of laboratory periods in which students will participate in the preparation of a short play for children.

For credit only in the Faculty of Education.

This course will be limited to 30 students. Registration permitting, a small

number of recommended non-credit students may be admitted to this course. (See under Department of University Extension.)

Ten hours a week—3 units.

Miss Stevenson.

320. History of Modern Theatre. (B)

A study of the development of Western theatre (England, France, Germany, Russia, U.S.A., etc.) since 1700, with emphasis upon the twentieth century. This course deals with the various aspects of theatre (plays and dramatic theory, acting and directing, scenic design and theatre architecture) and their relations to the main social, philosophical and artistic movements of Modern Europe.

For credit in the Faculty of Arts and the Faculty of Education.

Prerequisites: For Theatre majors: Theatre 120. As an elective course: no prerequisites.

Pre-reading required: First twelve plays on reading list (list supplied upon request).

Pre-reading recommended: Bentley, *The Playwright as Thinker,* (Meridian Books, The Noonday Press).

Ten hours lectures a week—3 units.

Mr. Soule.

ZOOLOGY

202. Vertebrate Zoology. (C)

Comparative anatomy; evolution and phylogeny of vertebrates; dissection of representative forms.

Limited to 45 students.

Prerequisite: Biology 101 or the equivalent.

Pre-reading recommended: Colbert, *Evolution of the Vertebrates,* Science Edition; Smith, *From Fish to Philosopher,* Doubleday, Anchor.

Eight hours lectures and twelve hours laboratory a week—3 units.

Mr. Scott.

311. Introduction to Entomology. (C)

A survey of the structure, classification and biology of insects, with an introduction to the other terrestrial Arthropoda.

Limited to 36 students.

Prerequisite: Zoology 105 or Biology 101 or the equivalent.

Ten hours lectures and ten hours laboratory a week, July 3 - 25 inclusive—1½ units.

Mr. Scudder.

402. Evolution. (C)

A critical appraisal of the evidence for evolution; a consideration of the basic principles of natural selection and the nature and origin of species and higher categories.

Prerequisites: Third Year major or honours, or permission of the Instructor.

Ten hours lectures and ten hours laboratory (reading) a week, July 26 - August 18—1½ units.

Mr. Scudder.

SUMMER SESSION REGISTRATION — 1966

Credit Courses

MEN	WOMEN	TOTAL
2994	2949	5943

EXTRA-SESSIONAL CREDIT PROGRAMME

Extra-Sessional Credit Evening Courses

May 1 - August 18, 2 evenings a week. 7 p.m. to 9:10 p.m. Registration at the Office of the Registrar; early application is advised since enrolment will be limited.

English 200—3 units

Monday and Wednesday, 7 p.m., May 1, Buchanan, Room 221.

Literature and Composition—A study of literature from Chaucer to the Nineteenth Century, and of the principles of composition. Themes and exercises are required.

Prerequisite: English 100.

Enrolment Limited

English 303—3 units

Monday and Wednesday, 7 p.m., May 1, Buchanan, Room 220.

English Composition—A study of the principles and practices of good writing. For students in the Faculty of Education only.

Prerequisite: English 200.

Class Limit - 22 Students.

History 426—3 units

Monday and Wednesday, 7 p.m., May 1, Buchanan, Room 223.

Canada After 1867—A survey of the main features of the political and economic development of Canada after 1867, with some consideration of foreign policy.

Class Limit 25 Students.

ADVANCE NOTICE
July 1968

Geography 495 - Geography of Latin America in the field

Location: **Mexico**

A detailed brochure will be available upon request later this Spring. Call 228-2181 or write Extra-Sessional Credit Courses, Extension Department, University of British Columbia, Vancouver 8.

Correspondence Credit Courses

Students are reminded that the following correspondence courses are available: Commerce 151, Economics 306, Education 412, English 200, English 303, English 392, French 210, German 200, History 212, History 413, Philosophy 100, Political Science 200, Psychology 100, Psychology 301.

Knowledge of the availability of these courses may assist students in planning their programmes of studies. Further information may be obtained by writing to the Secretary, Correspondence Courses, Department of University Extension, University of British Columbia, Vancouver 8.

DEPARTMENT OF UNIVERSITY EXTENSION

SUMMER SCHOOL PROGRAMME

DIPLOMA PROGRAMME IN ADULT EDUCATION

The Faculty of Education and the Department of University Extension jointly offer a Diploma in Adult Education. This programme is designed for persons who wish to acquire the skills and knowledge required to organize, conduct, evaluate and generally administer programmes in adult education but who, for a variety of reasons, do not wish to pursue a graduate degree. Such persons may be or wish to be, public school adult education directors, directors of training in business and industry and the like.

The programme is equal to approximately seven months of continuous study at the university but may be taken by summer session and extra-sessional courses as well as by full-time attendance at the university for one full academic year.

Further information concerning this programme may be obtained by writing to the Administrator, Diploma Programme in Adult Education, Extension Department, The University of British Columbia, Vancouver 8.

SOCIAL WELFARE ADMINISTRATION, JUNE 26 - JULY 7

Dr. Edward E. Schwartz of the School of Social Service Administration at the University of Chicago will be the guest lecturer in this summer institute. Classes will be held in daily two-hour sessions.

The institute is offered in the programme of continuing education in social work sponsored by the School of Social Work and the Extension Department. Further information is available from the Extension Department. (Telephone 228-2181).

A NATION OF CITIES

A one-week course for Teachers.

A new and fundamental phase in man's social evolution has been reached. The empty places of the world are becoming emptier while population in urbanized areas increases at a geometric rate. In 1900 two-thirds of the people of Canada lived in rural areas: at the present time over 70% lives in communities of more than 1,000. Leaders of thought must be aware of the nature of the modern city and the trends and procedures that shape life in our communities.

This short course is being offered to increase teachers' understanding of the urban environment and to help provide them with some of the essential concepts for teaching academic and citizenship attitudes in a nation of cities. Subjects dealt with will include the city in history and to-day; the use of space; the metabolism of the city; and how to teach students to study a community.

The course will be held for five afternoons during a week in July. Further details may be obtained from the Urban Affairs Programme, Department of Extension. Phone 228-2181.

SUMMER SCHOOL ON PUBLIC AFFAIRS

A three-day seminar on public affairs will be presented during Summer Session this year. In addition, a series of five Tuesday evening public affairs lectures will be open to the public.

A brochure with full details will be available approximately May 1. Copies of this brochure may be obtained by writing to the Summer School on Public Affairs, Department of University Extension, The University of British Columbia, Vancouver 8, B.C. (Telephone 228-2181).

Soviet Russia: The First 50 Years

July 18-21, 1967 (Dates Tentative)

The year 1967 marks the 50th anniversary of the Russian Revolution which saw the assumption of power by the Bolsheviks under Lenin in November, 1917.

Ostracized from the outset by the world community, the Communist regime had to undertake its modernization without outside help. Although beset by internal problems and badly mauled by World War II, the Soviet Union finally emerged as the controlling force in Eastern Europe and as a world power.

In the past decade the USSR appears to have passed into a new era. Once the undisputed leader of world Communism, she now finds it increasingly difficult to control the national aspirations of her former satellites and has had her claims to leadership specifically repudiated by China. In addition the nuclear stalemate has forced the major protagonists of the Cold War to acknowledge "co-existence" as the only realistic alternative. Internally, the planned economy which successfully provided a heavy industry base has been less successful in meeting the requirements of agriculture and the demands of the newer consumer-oriented economy. In short, Russia is now experiencing many of the social economic and political problems which have plagued other industrial and imperial powers.

As one of the "super-powers", the Soviet Union's relationship with the West will have a major bearing on the course of world events. This seminar will attempt to examine what has happened in the USSR over the past 50 years and how these developments have shaped and are shaping her external policies.

PUBLIC AFFAIRS LECTURE SERIES

A series of five public affairs lectures designed to provide an opportunity for all interested persons to hear distinguished visitors to The University of British Columbia campus will be held on Tuesday evenings, in Room 104 of the Buchanan Building at 8 p.m. Specific dates and topics will be announced later.

AN INTENSIVE COURSE IN SPOKEN FRENCH

Advanced registration only. Please make cheque payable to the University of British Columbia and mail to the Extension Department, The University of British Columbia, Vancouver 8, B.C.

Voix et Images de France — Premier Degré

After a number of years of experimentation and research the language institute at St. Cloud near Paris has developed a radically new method of rapidly acquiring fluency in foreign languages using the latest audio-visual method developed by linguists for language learning. Part I, the first sixteen lessons of the Premier Degré, *Voix et Images de France*, enables a student with no previous knowledge or ability to obtain a sound basis for understanding and speaking French. It will be of equal value to those whose previous studies in French have been grammatical rather than oral. Part I is complete in itself though only a limited proficiency will be attained at the end of it. Entry into Part II, lessons seventeen to thirty-two, will be restricted to those who have successfully completed Part I or its equivalent. This course will be of special value to civil servants, airline personnel, teachers, faculty members and others wishing to improve their competency in the language.

Classes will be limited to 22 students and instruction will be five days per week for the period of the summer session. Classes will be organized only if seventeen or more wish to enrol.

Instructors: Mrs. Catherine Rosetti, Miss Olga Kempo and Miss Maureen Cromie.

Section I — Part I, lessons 1 - 16.

Prerequisite: At least one year High School French.

10:30 a.m. - 12:30 p.m.

70 hours of instruction.

Fee: $70.00, includes records and books.

Section II — Part II, lessons 17 - 32.

Prerequisite: Part I or its equivalent.

12:30 - 2:30 p.m.

70 hours of instruction.

Fee: $70.00, includes records and books.

Voix et Images de France — Deuxième Degré (Advanced)

Throughout the thirty-two lessons of Voix et Images de France all conversations originate from a visual situation. Students have been helped further by audio-visual aids of take-home records and picture books. The Deuxième degré offers the student an opportunity to increase his conversational ability; however at this stage the pictures and records are withdrawn. More and more the student relies on his auditory ability to acquire mastery of taped dialogues which are the bases for conversation. At this level the dialogues emphasize mastery of more idiomatic forms as well as a vocabulary pertaining to discussion, opinion and judgment. Students receive a copy of each dialogue upon completion of each lesson. The number of lessons to be covered during the course will depend on the ability of the class as a whole to master in depth each conversational lesson.

Class will be limited to 22 students and instruction will be five days per week for the **first three weeks** *of Summer Session. Class will be organized only if seventeen or more wish to enrol.*

Instructor: Mr. Alexander Snowdon.

Section III — Advanced

Prerequisite: Premier Degré, University French or its equivalent.

1:30 - 3:30 p.m., July 3 to July 21.

30 hours of instruction.

Fee: $35.00.

THE BRITISH COLUMBIA FOREST INDUSTRIES

A non-credit summer short course, August 21 to 25, U.B.C.

Registration Fee: $30.00; living accommodation available at university residences from August 20 to 25 at $8.00 per day, double room; or $9.00 per day, single room.

Class limit—40.

Closing date for registration—June 1, 1967.

This course, sponsored by the Council of Forest Industries of B.C. and the Department of Extension, U.B.C., is directed toward teachers who wish to improve their knowledge of the forest industries in B.C. Material presented will relate to particular units in General Business 11, Social Studies, General Science, and Guidance courses in the secondary schools.

The objectives of the course are:

1. to provide teachers with background information on the following aspects of the forest industries:
   (a) conservation
   (b) wood utilization
   (c) manpower requirements
   (d) economics
2. to provide teachers with an opportunity to meet the industry's personnel and view first-hand some of their operations.

The course will include lectures, films, guided tours and discussions. Material useful as teaching aids will be distributed.

A brochure describing the course in detail and registration form will be available by March 20, 1967, and may be obtained by writing to Education-Extension Programs, Department of Extension, U.B.C., Vancouver 8.

ART WORKSHOPS

Non-credit, daytime courses in drawing, painting and sculpture will be offered. Two outstanding Canadian artists will instruct these workshops in their respective fields: Mr. Claude Breeze in drawing and painting; Mr. Gerhard Class in sculpture. The exact nature of course content and instruction will be based partially on the enquiries and needs expressed by prospective students during the preceding months. Enrolment will be limited.

Please phone your enquiries to the Supervisor of Programmes in the Humanities and Creative Arts, 228-2181.

TEACHER-IN-SERVICE SHORT COURSES

The British Columbia Teachers' Federation will sponsor non-credit short courses for the eleventh year. These will be practical courses of the workshop type and will mainly be intended as preparation for curriculum changes.

Registration will be limited to ensure the full participation of the course members. Lectures, demonstrations and group discussion will be used. Most courses will be held on campus, Monday to Friday, for five hours each day. Time, dates, locations and other information will be announced in a BCTF Newsletter at a later date.

Present plans for courses to be offered in the following:

Arithmetic, Primary Grades: Emphasis on the transition from Grade 2 to 3.
Science, Primary Grades.
Kindergarten Techniques.
Music, Elementary Grades.
Art, Elementary Grades.
Special Education, Elementary Grades: New Materials and Procedures for Educable Mentally Retarded.
Social Studies, Intermediate Grades.
Science, Intermediate Grades.
Mathematics 8: Emphasis on the Transition from Mathematics 7 to 8.
Science 9: A New Programme.
Social Studies, Secondary Grades: Field Study Techniques.
English, Secondary Grades: The Resource Course Concept.
Home Economics: Fitting Course.
General Business 11.
The Occupational Programme: Materials and Resources.
Administration: New Problems and Concepts in the Elementary School.
Administration: Problems of the Beginning Principal.
Mental Health: Identifying and Assisting Children with Specific Learning Disabilities.
The Concept of Continuous Progress.
Group Dynamics in the Classroom: Emphasis on Productive Use of Small Groups.
Educational Television: An examination of situations and processes in which television may be uniquely useful in comparison with other devices.

Register with, and seek additional information from the

B.C. Teachers' Federation,
1815 West Seventh Avenue,
Vancouver 9, B.C.

ADDENDUM TO 1967 SUMMER SESSION CALENDAR

TIMETABLE -

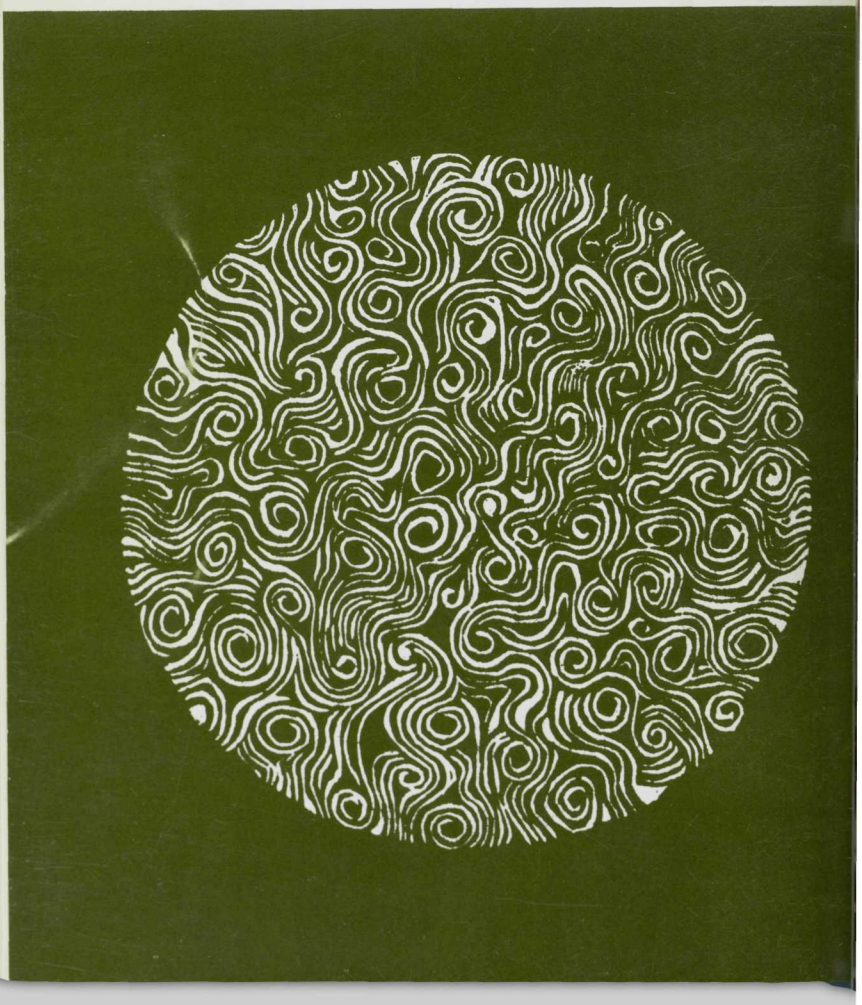
Asian Studies 320 - scheduled for 8:15 a.m. to 10:10 a.m.

Asian Studies 330 - scheduled for 1:30 p.m. to 3:30 p.m.

Education 404 - History and Socials
July 3 - 25 inclusive is scheduled for 8:15 a.m.

Education 355 - scheduled for 8:00 a.m. - 12 noon.

Education 356 - scheduled for 8:00 a.m. - 12 noon.

Page 37 - Education 354 - The unit value for this course is 1 1/2, not 3 as shown.

Page 40 - Education 464 - Lectures to be held at B.C. Institute of Technology.