Spec. Coll

SUMMER SESSION 1968

THE UNIVERSITY OF 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 3.
3. Students enrolled in regular Winter Session 1967-68 will be permitted to register to June 14 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 1.*

STUDENTS ENROLLED 1967-68

Students enrolled in the current Winter Session must register by May 1 if they plan to attend the Summer Session; later registration is subject to late fee assessment. Registration closes June 14 for these students.

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The Department of Education has withdrawn the requirement of 6 units for permanent certification for teachers holding the E.A. or higher certificate trained outside this province and has also withdrawn the requirement for graduates of the one-year training following the Bachelor's Degree.

PUBLICATIONS OF THE UNIVERSITY OF BRITISH COLUMBIA

Announcement of The Summer Session

SUPPLEMENT TO CALENDAR 1967-68

Forty-ninth Session: JULY 2 to AUGUST 16, 1968

The University of British Columbia

VANCOUVER 8, CANADA

Vol. 53, GENERAL SERIES No. 3

SUMMER SESSION, 1968

DATES

APRIL		
1	Monday	Students who have not previously attended the University should have made application and submitted all necessary documents by this date.
MAY		
1	Wednesday	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. Last day for consideration of applications from *new* students.
JUNE		
3	Monday	Last day for registration. (Late fee assessed after May 1.)
JULY		
2	Tuesday	*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.
3	Wednesday	*All changes in registration for courses must be reported to the Registrar's Office by this date.*
8	Monday	First of series of Library Instruction Lectures Bu.106 at 10:25, 1:30. Series continues Tues. at same hours.
AUGUST		
14	Wednesday	Last day of lectures.
15	Thursday	Final Examinations. There will be three examination periods each day, the third commencing in the late afternoon.
16	Friday	

*The last day for registration is June 3. Courses may, in some cases, be changed on July 2 but such changes must be reported by July 3 and students *must* be in attendance on July 3 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 402
Biology 321/322, Lecture
Chemistry 230, Lecture
Chemistry 431, Lecture
Classical Studies 433
Commerce 151/190, Lecture
Commerce 331
Commerce 371
Computer Science 201 (8:15-9:10). Two hours tutorial a week to be arranged.
Economics 304, Lecture
Education 200
Education 305, Lecture
Education 307, Section 1
Education 308, Section 1
Education 309, Section A
Education 331, Section 1
Education 332, Section A
Education 333, Lecture
Education 400, Section 1
Education 403, July 2-24
Education 404 - English, July 2-24
Education 404 - Geography/Social Studies, July 2-24
Education 404 - History/Social Studies, July 25-August 16
Education 404 - German, July 2-24
Education 404 - Home Economics, Section 1, Laboratory.
Education 405, Section 1
Education 407, Section 1
Education 410 - Home Economics, July 2-24
Education 410 - Industrial Education, July 25-August 16
Education 412
Education 414 - Elementary, Section 1
Education 429, July 25-August 16
Education 430, Section A
Education 435 - Industrial Education, July 2-24
Education 435 - Home Economics, July 25-August 16
Education 462, Lecture
Education 470, Section 1
Education 478, Lecture
Education 481, 9:20 - 10:10
Education 482, 8:15 - 9:10
Education 491
Education 508 - Science
Education 552
Education 569
Education 578
English 100, Section A

Course

English 200, Section A (Nursing students must elect Section C)
English 300
English 303, Section A
English 309
English 311, Section A
English 365
English 375
English 392
English 420
Fine Arts 101
Fine Arts 228; Lecture
Fine Arts 302, Lecture
Fine Arts 401, Lecture
Fine Arts 402, Lecture
French 110; Section 1
French 210; Section A
French 306
French 415
Geography 100; four hours practical to be assigned.
Geography 373, July 2-24
Geography 499
Geology 105, Lecture
German 100
German 200
German 323
History 413
History 424
History 426
Home Economics 203, Lecture
Italian 200
Latin 120/200/210/220/401/521
Mathematics 120
Mathematics 200
Mathematics 307
Mathematics 308
Mathematics 536
Music 326
Physical Education 201, 9:15-10:10 a.m.
Physical Education 202, 9:15-10:10 a.m.
Physical Education 210, 8:15- 9:10 a.m.
Physical Education 240, 8:15- 9:10 a.m.
Physics 300, Lecture
Physics 400
Psychology 100
Psychology 403
Psychology 409
Russian 200
Spanish 100, Section 1
Spanish 200, Section 1
Theatre 300
Zoology 302, Lecture

Course

Anthropology 400
Asian Studies 405
Biology 101, Lecture
Biology 335, Lecture
Chemistry 103, Lecture
Chemistry 311, Lecture, 11:15-12:30
Classical Studies 331
Commerce 322, July 2-24
Commerce 324, July 25-August 16
Commerce 364, July 2-24
Commerce 365, July 25-August 16
Commerce 376
Creative Writing 201
Economics 200
Economics 300
Economics 304, Laboratory
Education 301
Education 305, Laboratory
Education 307, Section 2
Education 308, Section 2
Education 309, Section B
Education 331, Section 2
Education 332, Section B
Education 333, Laboratory
Education 390
Education 400, Section 2
Education 404, Home Economics, Section 2, Laboratory
Education 404, Mathematics, July 25-August 16
Education 404, Science - Chem., Phys. & Jr. Sec. Science, 1½ units, July 2-24
- Bio & Jr. Sec. Science, 1½ units, July 25-August 16
Education 405, Section 2
Education 407, Section 2
Education 411
Education 414, Secondary, Section 2
Education 415, Section A (elementary)
Education 416
Education 419
Education 420, July 25-August 16
Education 430, Section B
Education 462, Laboratory
Education 470, Section 2
Education 478, Laboratory
Education 501
Education 508, Commerce
Education 508, Social Studies
Education 508, Mathematics II
Education 523
Education 539
Education 555, July 25-August 16
Education 556, July 2-July 24
Education 557, July 25-August 16
Education 558, July 25-August 16
Education 561 (Counselling) Lecture
Education 564
Education 565 - Art
Education 574
Education 582, Lecture (Laboratory to be arranged)

Course

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

Education 594
English 100, Section B
English 200, Section B (Nursing students must elect Section C)
English 303, Section B
English 304
English 311, Section B
English 340
English 366
English 391
English 450
English 506
English 535
Fine Arts 228, Laboratory
Fine Arts 302, Laboratory
Fine Arts 401, Laboratory
Fine Arts 402, Laboratory
Fine Arts 303/403/413, Lecture
Fine Arts 432
French 110, Section 2
French 120
French 210, Section B
French 220
French 302
French 416
Geography 101, additional laboratory periods to be assigned
Geography 361, July 2-24
Geography 461, July 25-August 16
Geography 492
Geology 105, Laboratory
German 404
History 202
History 326
History 405
History 427
History 432
Home Economics 202/210/310, Lecture
Home Economics 203, Laboratory
Mathematics 202
Mathematics 300
Mathematics 306
Mathematics 410
Mathematics 503
Microbiology 200, Lecture
Music 320
Philosophy 100
Physical Education 203, 10:25-11:20
Physical Education 215, 11:25-12:20
Physical Education 216, 11:25-12:20
Physical Education 219, 10:25-11:20
Physical Education 230, Section 1, 12:30-1:25, July 2-24
Physical Education 230, Section 2, 12:30-1:25, July 25-August 16
Physical Education 244, 11:25-12:20
Physical Education 260, 10:25-11:20
Physical Education 330, 12:30-1:25
Physical Education 462, 11:25-12:20
Physics 110, Lecture
Political Science 202, July 2-24
Political Science 310

Course

Political Science 440, July 25-August 16
Psychology 206
Psychology 305
Sociology 200
Sociology 301 - For students of the School of Nursing only.

Course

Sociology 306
Spanish 100, Section 2
Spanish 200, Section 2
Spanish 301
Theatre 310

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

Biology 101, Laboratory, 2:30-5:30, M.T.W.Th.
Biology 321/322, Laboratory, 1:30-3:30, M.T.W.Th.
Biology 335, Laboratory
Chemistry 103, Laboratory, 1:30-4:30, M.T.W.Th.
Chemistry 230, Laboratory, 1:30-4:30, M.T.W.
Chemistry 311, Laboratory, 1:30-5:45, M.T.W.
Chemistry 431, Laboratory, 1:30-4:30, M.T.W.
Commerce 151, Laboratory, 1:30-3:30, M.W.
Economics 320
Education 331, Section 3
Education 400, Section 3
Education 404 - Commerce
Education 404 - Home Ec., Section 1, Lecture, M.W.F., Discussion T., 1:30 - 2:30
- Home Ec., Section 2, Lecture, M.W.F., Discussion Th., 1:30 - 2:30
Education 415 - Section B - Elementary; Section C - Secondary
Education 490
Education 535
Education 551
Education 560, July 2-24
Education 561 - Counselling - Laboratory

English 200, Section C (Nursing students **must** elect this Section.)
English 321
English 429
English 454
Fine Arts 125
Fine Arts 300, Lecture
Fine Arts 303/403/413, Laboratory
French 223
Geography 201
History 419
Home Economics 202/210/310, Laboratory 1:30 - 4:30 T.Th.
Home Economics 340
Mathematics 203
Mathematics 412
Mathematics 531
Microbiology 200, Laboratory
Music 201
Music 401
Physical Education 212, 2:35 - 3:30
Physical Education 218, 1:30 - 2:25
Physical Education 262, 1:30 - 2:25
Physical Education 350, 2:35 - 3:30
Physical Education 470, Lecture, 1:30 - 2:25
Physical Education 470, Laboratory, 2:30 - 3:30, T.Th.
Physics 110, Laboratory, 1:30 - 4:30, M.T.W.Th.
Physics 300, Laboratory, 1:30 - 4:30, M.T.W.Th.
Psychology 307
Zoology 302, Laboratory, 1:30 - 4:30

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

Fine Arts 300, Laboratory
Physical Education 250, 3:45 - 4:40 p.m.

NOTES:

Examination Schedule

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

12:00 noon, Thursday, August 15—English 100, English 200, English 303, English 304.

3:30 p.m., Thursday, August 15—courses scheduled in lecture period 1:30-3:30 p.m., except sectioned classes.

8:30 a.m., Friday, August 16—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 16—reserved for examinations as

needed to meet special requirements, including courses in which classes are sectioned.

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 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 3 for students who have paid the late registration fee).

Changes in registration, where permitted, must be made on the first day of lectures, July 2, and reported to the Registrar's Office not later than July 3. 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 6, 1968, 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.

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 privileges will not be granted students who fail the laboratory work of science or industrial arts courses.

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.

OFFICERS AND STAFF

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MRS. MARION V. RALSTON, B.Ed., M.Ed., Assistant Professor.

HERBERT ROSENGARTEN, M.A., B.Litt., Assistant Professor.

R. G. SEAMON, B.A., M.A., Ph.D., Assistant Professor.

LLOYD SIEMENS, B.A., B.Paed., M.A., Ph.D., Assistant Professor.

MRS. NORA SINCLAIR, B.Ed., M.A., Assistant Professor.

P. G. STANWOOD, B.A., M.A., Ph.D., Associate Professor.

JACK F. STEWART, B.A., M.A., Ph.D., Assistant Professor.

F. H. WHITMAN, B.A., M.A., Ph.D., Assistant Professor.

J. D. WIGOD, A.B., A.M., Ph.D., Associate Professor.

J. L. WISENTHAL, B.A., B.Litt., Assistant Professor.

W. E. YEOMANS, B.A., M.A., Assistant Professor.

Fine Arts

MISS SUZANNE ARUNDEL-ROSS, B.Ed.
SAM BLACK, R.S.W., D.A., A.T.D., Professor.
STANLEY CLARKE, Kiln Specialist, Instructor.
MERVYN J. CROOKER, B.A., M.A., Instructor, Mount Allison University, Sackville, New Brunswick.
W. HERBERT GILBERT, B.A., Assistant Professor.
MRS. PENNY GOULDSTONE, A.T.D., Assistant Professor.
JAMES U. GRAY, Dip.V.S.A., B.Ed., M.Ed., Assistant Professor.
JAMES A. S. MACDONALD, Dip.V.S.A., Associate Professor.
ELMORE G. OZARD, B.A., Professor.
JOACHIM SANDVOSS, B.Mus., M.Ed., Instructor.
R. STEELE, B.A., B.Ed., Assistant Professor.
JOHN B. TAYLOR, A.O.C.A., Associate Professor of Art, University of Alberta.

French

FATHER LOUIS BARJON, L. ès L., Agrégé des Lettres, Professor, Institut Catholique, Paris.
MISS HEATHER FRANKLYN, B.A., Ph.D., Assistant Professor.
MRS. VIRGINIA A. HARGER, B.A., M.A., Instructor.
HAROLD C. KNUTSON, B.A., M.A., Ph.D., Associate Professor.
MRS. SIMONE P. KNUTSON, B.A., M.A., Instructor.
MRS. ROSE-BLANCHE McBRIDE, B.A., M.A., Instructor.
LESTER J. PRONGER, B.A., M.A., Docteur de l'Universite de Paris, Ph.D., Professor, York University.
PETER T. RICKETTS, B.A., Ph.D., Assistant Professor.
FLOYD ST. CLAIR, A.B., Assistant Professor.
JOHN P. STUTZER, L. ès L., Special Lecturer, Royal Military College, Kingston, Ontario.
PAUL WYCZYNSKI, L. ès L., D.E.S., Ph.D., Professor, University of Ottawa.

Geology

TERENCE E. SMITH, B.Sc., Ph.D., Lecturer, Department of Geology, University of the West Indies.

Geography

RICHARD COPLEY, B.A., M.A., Assistant Professor.
ALBERT L. FARLEY, M.A., Ph.D., Associate Professor.
J. FRASER HART, Ph.D., Professor, University of Minnesota.
ROGER LEIGH, B.Sc., M.A., Assistant Professor.
ROBERT NORTH, M.A., Assistant Professor.
MRS. MARGARET NORTH, B.Sc., M.A., Assistant Professor.
K. SANDHU, B.A., M.A., Ph.D., Associate Professor.
J. WREFORD WATSON, Ph.D., Professor, University of Edinburgh.

German

EBERHARD FREY, M.A., Instructor.
FRED A. KRUGEL, B.A., M.A., Ph.D., Assistant Professor.
HORST MARTIN, Instructor.
LESLIE MILLER, B.A., M.A., Ph.D., Assistant Professor.
J. EDWARD W. MORNIN, M.A., Instructor.

History

CHARLES W. HUMPHRIES, B.A., M.A., Ph.D., Assistant Professor.
JOHN L. HUTCHINSON, B.A., M.A., Ph.D., Assistant Professor, Simon Fraser University.

ORMOND McKAGUE, B.A., B.Ed., M.A., Instructor, Luther College, Regina.

CHARLES F. MULLETT, A.B., A.M., Ph.D., Professor, University of Missouri, Columbia, Missouri.

GEORGE R. POTTER, B.A., Ph.D., Henry C. Lea Professor of Medieval History, (Visiting) University of Pennsylvania, Philadelphia.

JOHN L. SHOVER, B.A., M.A., Ph.D., Professor and Acting Chairman, San Francisco State College.

F. H. SOWARD, B.A., B.Litt., LL.D., F.R.S.C., Dean Emeritus.

Home Economics

INDRAJIT D. DESAI, B.Sc., M.Sc., Ph.D., Assistant Professor of Nutrition.

MELVIN LEE, B.A., M.A., Ph.D., Professor of Nutrition and Director of the School of Home Economics.

MISS PHYLLIS TAYLOR, B.H.E., Utah State University.

Italian

MRS. STEFANIA CICCONE, M.A., Assistant Professor.

Latin

GERALD N. SANDY, B.A., M.A., Assistant Professor.

Mathematics

MARSHALL BERGSMA, B.Sc., M.A., Lecturer.

DAVID W. BRESSLER, M.A., Ph.D., Assistant Professor.

JAMES C. DAVIS, M.A., Instructor, Mesa College, Colorado.

ROLAND F. GRAY, B.A., M.Ed., Ph.D., Associate Professor.

LAWRENCE E. LEFEVRE, M.A., Ph.D., Visiting Assistant Professor.

EIZENS LEIMANIS, Mag. Math., Dr. Rer. Nat., Professor.

ELOD MACSKASY, Cand. Sc., Assistant Professor.

JAMES A. MOORE, B.A., M.A., Chairman, Department of Mathematics, Vancouver City College.

PETER G. NORTON, M.A., Ph.D., Assistant Professor, University of Toronto.

JOHN PEREGRYM, B.Sc., M.A.Sc., Acting Head, Department of Mathematics, Selkirk College, Castlegar, B.C.

JAMES E. SMITH, B.A., B.Ed., Associate Professor.

CHARLES TOMPKINS, B.S., M.S., Ph.D., Professor of Mathematics and Director of Numerical and Analysis Research, University of California, Los Angeles.

LARRY J. WALLEN, Ph.D., Professor, University of Michigan, Ann Arbor.

THOMAS J. WILLMORE, Ph.D., D.Sc., Professor, University of Durham, England.

Microbiology

THOMAS H. BLACKBURN, B.A., M.Sc., Ph.D., Assistant Professor.

RICHARD A. J. WARREN, B.Sc., M.Sc., Ph.D., Assistant Professor.

Music

ALLEN E. CLINGMAN, M.Mus., M.A., D.Ed., Associate Professor.

R. DE COURSEY, B.S., M.Mus., Lecturer.

DOUGLAS E. TALNEY, B.Mus., M.Mus., Assistant Professor.

FRENCH TICKNER, Assistant Professor and Director of the Opera Workshop.

EUGENE WILSON, B.Mus., M.A., Assistant Professor.

Philosophy

J. WARREN MULLINS, A.B., M.A., Ph.D., Associate Professor.

Physical Education

STANLEY R. BROWN, Dip.P.E., M.S., Ph.D., Associate Professor.
MRS. BONNIE GORDON, B.A.(P.E.), M.Sc., Instructor.
JOSEPH R. JOHNSON, B.P.E., M.P.E., Assistant Professor.
BRUNO KLAUS, B.S., M.S., Instructor.
NESTOR N. KORCHINSKY, B.P.E., M.A., Instructor.
JACK B. POMFRET, B.A.(Health & P.E.), M.S., Associate Professor.
LIONEL PUGH, B.A., Dip.Ed., Dip.Phys.Ed., Assistant Professor.
WILLIAM M. REESKE, A.A., B.A., M.A., Instructor.
MISS DOROTHY C. TALBOT, B.Ed., Instructor.
GRANT VINCENT, Dip. Imperial Society of Teachers of Dancing, Lecturer.
NORMAN S. WATT, B.P.E., M.S., Ed.D., Associate Professor.
HAROLD D. WHITTLE, B.P.H.E., M.S., Ph.D., Professor.

Physics

LUIS DE SOBRINO, M.Sc., Sc.D., Associate Professor.
CHARLES F. SCHWERDTFEGER, B.S., Ph.D., Associate Professor.
BRIAN G. TURRELL, B.A., M.A., D.Phil., Assistant Professor.
BRUCE L. WHITE, B.Sc., D.I.C., Ph.D., Associate Professor.

Political Science

J. E. BROADBENT, B.A., M.A., Ph.D., Assistant Professor, Department of Political Science, York University.
JEAN A. LAPONCE, Dip.I.E.P., Ph.D., Professor.

Psychology

PAUL BAKAN, B.A., M.A., Ph.D., Professor, Michigan State University.
ALCON G. DEVRIES, M.A., Ph.D., Assistant Professor.
ROBERT E. KNOX, B.A., M.A., Ph.D., Assistant Professor.
EDRO I. SIGNORI, B.A., M.A., Ph.D., Professor.
FRED P. VALLE, B.A., Ph.D., Assistant Professor.
STEPHEN M. WEISS, B.S., M.S., Ph.D., Assistant Professor, The Johns Hopkins School of Medicine.

Russian

ARAM H. OHANJANIAN, B.A., Instructor.

Sociology

MRS. DOROTHY SMITH, Ph.D., Assistant Professor, University of Essex, England.
WILLIAM E. WILLMOTT, M.A., Ph.D., Associate Professor.
DONALD H. ZIMMERMAN, Ph.D., Assistant Professor, University of California, Santa Barbara.

Spanish

TOMAS BARTROLI, B.A., M.A., Instructor.
KARL I. KOBBERVIG, B.A., Ph.D., Associate Professor.
J. A. McDONALD, M.A., Associate Professor.

Theatre

JOHN BROCKINGTON, B.A., D.F.A., Associate Professor and Head, Department of Theatre.
KLAUS D. STRASSMANN, Ph.D., Assistant Professor.

Zoology

CYRIL FINNEGAN, B.S., M.S., Ph.D., 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 1. 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 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 1 deadline.
Students who fail to provide full documentation in support of their applications by May 1 will be refused admission to the Summer Session for the current year.

(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 3.**

(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.

(f) A student in a baccalaureate programme who registers for a graduating essay or thesis in a winter session and who is unable to complete the requirements for it, is required to register in the session in which he plans to submit the essay or thesis and pay a fee of $50 plus A.M.S. fee

if he is on campus or a $25 fee if he is off campus. A student will be considered 'on campus' if he is making use of the library facilities and having interviews, on occasion, with his faculty adviser.

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 1967-68 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 459), Education, Home Economics, or Physical Education. In the department 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. Except for English 100 and English 200 no course may be repeated more than once.

NON-CREDIT (CONTINUING EDUCATION) 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.

EXTRA-SESSIONAL CREDIT COURSES

A number of Extra-Sessional Credit Courses will be held two evenings a week from May - July, 1968. For details and course descriptions, see page 66 of this calendar.

Students wishing to enroll in these courses must register through the Registrar's Office before May 1.

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 June, 1969.

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 19. 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

Includes the Summer Session Association Fee

For Auditors:	3 units	$52.00
	1½ units	$27.00

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 unless the $12.00 membership fee was paid in September, 1967 ..... $ 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.

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

1968 Executive Committee

President - - - - - - Ian Cameron
Vice-Pres. - - - - William McAuley
Past President - - - - Peter Barrett
Treasurer - - - - Thomas Walters
Secretary - - - - - - John Collins
Athletics - - - - - - Donald Ross
Films & Concerts - - - William Lucy
Social Events - - - - Ralph Sebastian
Publications - - - - - Leo Swoboda
Academic Activities - Stanley Persky
Associate Members - - - Alan Berry, Dale Kelly, Kenneth Ryall, James Sullivan and Kenneth Travis

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, not registered for a summer session course, who may purchase activity cards from the S.S.A. office, located in Brock Hall.

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.

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 1967-68 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 5, 1968.

Day Parking: On **MONDAY through FRIDAY** 7:30 a.m. to 5:00 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: Time and fee as specified on meters.

Night and week-end Parking:

MONDAY through FRIDAY from 5:00 p.m. to 7:00 a.m. next day AND on **FRIDAY** from 5:00 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

Library instruction will be given during the first week of Summer Session. Because of the 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. An introduction to the Library will be provided along with information on finding books and periodical articles. Times and assembly points will be posted in the Library.

In addition, the Library publishes information pamphlets 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.

ON-CAMPUS HOUSING DURING SUMMER SESSION

General

Accommodation is available for students attending Summer Session or Short Courses.

Inquiries and Reservations

Applications are received from February 1 each year. Due to limited space, early applications are advisable. Assignments are mailed by June 1. They are made on a first-come-first-served basis with late applications assigned to Fort Camp Women's Residence (permanent structure) if all other rooms at Place Vanier are filled. Due to limited facilities, we do not recommend bringing children.

For those wishing to pay Summer Session rates, all enquiries should be directed to: The Office of Housing Administration, The University of British Columbia, Vancouver 8, B.C. For those attending Short Courses in groups at the daily rate, group bookings should be directed to: The Conference Office, Extension Department, The University of British Columbia, Vancouver 8, B.C. For those individuals attending Short Courses on the daily rate, no reservations are necessary. Please contact the Residence Clerk on arrival at Totem Park Residence—he will be glad to sign you in and provide you with a meal pass.

Areas reserved for Summer Session

Place Vanier (formerly Lower Mall) Residences and Fort Camp Women's Residences (permanent structure) are reserved for Summer Session participants. Those who apply after all rooms at Place Vanier have been assigned will be offered rooms at Fort Camp Women's Residences at the same rate, but meals will be served only at Place Vanier Dining Hall.

Areas reserved for Short Courses

Individuals on the daily rate will be accommodated at Totem Park. No assignment is necessary. Payment is to be made on arrival at the Totem Park office. Those attending Short Courses as a group at the daily rate should make reservation for the group through the Conference Office, Extension Department (not Housing) and will be accommodated at Totem Park.

Note: Students attending various Short Courses may find the total rate for residence exceeding the rate for 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. Those in this group will be housed at Place Vanier or Fort Camp only. Applications for this arrangement may be obtained from the Housing Office.

Rooms available July 1 - August 16 inclusive

Students will be accommodated from July 1 in the evening, and will be asked to vacate not later than 1:00 p.m. August 17. 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. Parents have preference over children for double rooms.

Meals

For those attending Summer Session or Short Courses at the optional Summer Session rate, the Dining Hall at Place Vanier will be open. For those attending Short Courses at the daily rate (since they are accommodated at Totem), the Totem Park Dining Hall will be available. Summer Session Meal Passes are valid from July 2 breakfast to August 16 dinner, inclusive. Dinner may be purchased for cash on July 1 at Place Vanier Dining Hall. Meals for children under 18 months are available daily for cash since no meal passes are provided for this age group and cooking is not permitted in the rooms. The meal pass will be provided on arrival by the Clerk at the Residence.

Payment

Assignments are only effective if payment reaches the Housing Administration Office not later than June 14, 1968. Group bookings at the daily rate may make their own arrangements for payment through the Conference Office at the time of booking. Individual students at the daily rate attending Short Courses may pay the Residence Clerk on arrival (no assignment is necessary). Only certified cheques or money orders are accepted. Post-dated cheques will not be accepted. In all cases cheques should be made payable to The University of British Columbia.

Rates

For individual students attending Summer Session:

Single Room (at Place Vanier or Fort Camp)	$151.80
Double Room — each person	142.60

For families — adults and children over 18 months:

Single Room — each person	151.80
Double Room — each person	142.60

Children under 18 months are accepted free-of-charge if staying with parents and not requiring separate beds, but no meal pass is provided (see Meals). No refund is granted for vacating before August 16 or for meals not taken. Rates include room and board. For optional rate selections see Short Course Information.

Daily rate short courses

Single Room	$9.00 room and board
Double Room	$8.00 room and board

Facilities

Coin-operated washers, dryers and ironing boards are located in each building. There are pay telephones on every floor. Limited storage facilities are provided in the area. Rooms are furnished but residents are asked to bring their own soap and towels. Canteen facilities (toiletries, soft drinks, cigarettes, etc.) are available in the area. Games equipment, T.V., tea kettles for lounges may be obtained if a Residence Committee responsible for such is elected. The Residence Clerk will issue equipment to the Committee. There are common washrooms on each floor and separation in area occupied by families is made by designating alternate floors for men and women.

There are no facilities for children as these Residences are designed for single students. There are no cribs available. Parents are to assume full responsibility for their children, their safety and damage caused by them. All children over 18 months will receive a meal pass. No cooking is permitted in the Residences. No pets of any kind are allowed. Non-observance of this may necessitate immediate withdrawal of student from the residence.

For further information consult the Housing Office.

Parking

All cars parked on the University grounds must carry a parking permit, obtainable from the University Traffic Office on Wesbrook Avenue. Trailers of any kind are not permitted on the campus.

Private accommodation off-campus for married students

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 Co-ordinator, The Alma Mater Society Office, Brock Hall, The University of British Columbia, Vancouver 8. All arrangements must be made directly between the interested parties. The University does not act as an agent for either contracting party.

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.

Teachers who completed B.C. Normal School training prior to July 1955 may continue to qualify for the 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 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 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 1968 are expected to complete the second and third summers in 1969 and 1970.

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 301—Educational Psychology ..... 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 301 ..... 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 1968 for prospective teachers in Home Economics holding Elementary Basic certificates are:

Home Economics 202, 210, 310* ..... 3 units
Home Economics 203 ..... 3 units
Home Economics 340 ..... 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 1969 are as follows:

H.E. 201, 220, 360, 362, 420
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.)

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 1968 but considered for 1969 or 1970 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.

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

400. Readings in Theory. (B)

The principles used in the analysis of culture; the history of anthropological thought and the points of view represented in the classical monographs.

Prerequisite: Anthropology 200.

Ten hours lectures a week—3 units.

Mr. Birdwhistell.

402. Comparative Ethnography of Special Areas. (C)

An advanced study of ethnographic and theoretical problems. Special emphasis on the Arctic Region.

Prerequisite: Anthropology 200.

Ten hours lectures a week—3 units.

Mr. Stevenson.

ASIAN STUDIES

405. Communist Movements in Eastern Asia.

A survey of the growth, organization, ideology and programmes of Communist Parties in East Asia since 1920, with special emphasis on the Chinese Communist movement and the Chinese People's Republic.

Pre-reading required: Robert A. Scalapino, editor, *The Communist Revolution in Asia,* Prentice Hall, Englewood Cliffs, N.J., 1965; Franz Schurmann, Orville Schell, editors, *Communist China,* Vol. III of *The China Reader,* Vintage Books, paperback, 1967, No. V377.

Pre-reading recommended: Jerome Chen, *Mao and the Chinese Revolution,* Oxford University Press, Galaxy Books, paperback, 1967; Justus M. van der Kroef, *The Communist Party of Indonesia,* paperback, University of British Columbia Publications Centre, 1965.

Ten hours lectures a week—3 units.

Mr. van der Kroef.

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 11 or equivalent recommended.

Limited to 48 students.

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

Mr. Acton.

321. Principles of Ecology—I. (C)

A study of organisms and their environment, with emphasis on plants. This course complements Biology 322 and must be taken concurrently.

Prerequisite: Biology 101 or the equivalent.

Five hours lectures and four hours laboratory a week—1½ units.

Mr. Harger.

322. Principles of Ecology—II. (C)

Population and community ecology, with emphasis on animals. This course complements Biology 321 and must be taken concurrently.

Prerequisite: Biology 101 or the equivalent.

Five hours lectures and four hours laboratory a week—1½ units.

Mr. Harger.

335. Fundamental Genetics. (C)

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 and ten hours laboratory a week—3 units.

Mr. Threlkeld.

CHEMISTRY

103. General Chemistry. (A)

A study of the fundamental principles of chemistry including the molecular structures of both inorganic and organic compounds.

Prerequisite: Physics 11 (or Physics 130 concurrently); Mathematics 120 (or 110) must precede or be taken concurrently.

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

Mr. Bree and Mr. Walker.

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

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

Prerequisites: Chemistry 101, 102, 103, 110 or 120.

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

Mr. Money and Mr. Piers.

Note: Credit will not be given for both 203 and 230.

311. Modern Analytical Methods. (C)

An introduction to modern methods of analysis, including optical, electrochemical and radiochemical methods, mass spectrometry, magnetic resonance spectrometry, and chromatography.

Prerequisites: Chemistry 200, 205 or 210.

Four hours lectures and twelve hours laboratory a week—2 units.

Mr. Farmer.

431. Developments in Contemporary Chemistry. (C)

A review of recent advances in the fields of inorganic, organic and physical chemistry. *Available for credit only in the Faculty of Education.*

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

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. Wormell.

433. Greece. (C)

A detailed study, in discussion, of the Greek city-states, their political and cultural evolution, their decline and their permanent contribution to western civilization. Historiography and historical method will be important objects of study. Emphasis in reading and discussion will be placed upon the ancient source-materials.

Prerequisite: Classical Studies 331 or permission.

Ten hours lectures a week—3 units.

Mr. Cole.

COMMERCE

Note: *Courses in Commerce may not be taken for credit toward the B.A. or B.Sc. degrees except Commerce 371 (last offering 1968) and Commerce 459 (first offering 1969).*

151. Fundamentals of Accounting. (C)

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 151/190 are strongly advised not to attempt any additional course.

(Must be taken concurrently with Commerce 190.)

Five hours lectures and four hours laboratory a week—1½ units.

190. Fundamentals of Business. (C)

Introduction to the basic concepts and techniques of business functions and organization.

(Must be taken concurrently with Commerce 151.)

Five hours lectures a week—1½ units.

322. Labour Relations. (B)

An examination of the impact of trade unions on the management of industrial and commercial enterprises. This course will develop for the student of business administration an understanding of trade unions in Canada, their aims and objectives. Problems of public policy in the regulation of labour-management relations will be examined in detail.

Ten hours lectures a week, July 2-24—1½ units.

324. Personnel Administration. (B)

An examination of problems and procedures involved in maintaining an efficient workforce, with particular emphasis on job analysis and job evaluation, wage and salary administration, employee selection, employee development and

appraisal procedures, and fringe benefit programmes. Case materials will be used to develop effective personnel policies.

Ten hour lectures a week, July 25-August 16—1½ units.

331. Commercial Law. (B)

Introduction to the law of contracts, with particular reference to contracts for the sale of goods (Sale of Goods Act) and related law of personal property; negotiable instruments (Bills of Exchange Act); elementary principles of agency; examination of selected legal and commercial documents.

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

Ten hours lectures a week—3 units.

Mr. Davis.

364. International Marketing. (C)

An analysis of the bases of trade, international commercial policy, and other environmental factors which affect international marketing; followed by an investigation of the problems peculiar to the development and implementation of marketing strategy to serve international markets.

Ten hours lectures a week, July 2-24—1½ units.

365. Marketing Analysis. (C)

A study of quantitative methods of analysis applicable to the investigation of marketing problems; sources of market data; market tests; consumer research.

Prerequisite: Com. 261, Math. 205 or equivalent.

Ten hours lectures a week, July 25-August 16—1½ units.

371. Business Finance. (C)

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.

Mr. Anderson.

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. Heywood.

COMPUTER SCIENCE

201. Automatic Programming. (C)

A complete description of an automatic programming language with applications to various data-processing problems in statistics and accounting, as well as elementary scientific calculations.

Prerequisite: Mathematics 113 (Grade 13), 110 or 120.

Five hours lectures and two hours tutorials a week—1½ units.

Mr. Dempster.

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. In-

struction is carried on in the 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. Tarshis.

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. Diewert.

304. Principles of Statistics. (C)

Sources and presentation of data; measures of central tendency, dispersion, skewness and kurtosis; probability; sampling theory; estimation and tests of hypotheses; decision theory; simple regression and correlation analysis; Fortran programming; index numbers; analysis of classical time-series.

Prerequisite: Mathematics 110 or 120 and Economics 200, or permission of the Instructor.

Pre-reading required: Yamane, T., Statistics—*An Introductory Analysis,* Chapters 1-5 inclusive.

Ten hours lectures and eight to ten hours laboratory—3 units.

Mr. Nagatani.

320. Economic Development in Modern Europe. (C)

Economic growth and development in Europe mainly since 1750. Empirical study of important changes in social and economic institutions; examination of their significance for structural change and the process of industrialization; analysis of growth, change and fluctuation in the major western economies until recent times.

Prerequisite: Economics 200

Ten hours lectures a week—3 units.

Mr. Burley.

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.

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.

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

Prerequisite: Ed. 205 or equivalent.

Pre-reading required: F. Wachowiak and T. Ramsay, *Emphasis: Art,* pp. 1-33; E. W. Linderman and D. W. Herberholz, *Developing Artistic and Perceptual Awareness,* pp. 1-22, 47-66.

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

Mrs. Shelly.

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: Gamble, *Fundamentals of Recorder Playing,* Book I.

Ten hours lectures a week—3 units.

Mr. Gamble, Mr. Murray.

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. Mitchell, Mr. Pennington, 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 seven sections.

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, Mr. Day, Mrs. Forster, Mr. Gillespie, Mr. Wild, Mrs. Woodrow.

331. Psychology of Childhood. (A)

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

Ten hours lectures a week—3 units.

Mr. Bain, Miss Gardner, Mrs. Wendt.

332. Psychology of Adolescence. (A)

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

Ten hours lectures a week—3 units.

Mrs. Housego, Mr. Keenan, Mr. Oldridge, Mr. Person.

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

(Nursery schools and kindergartens)

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.

Miss Harris.

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

390. The Library in the School. (A)

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

Limited to 35-40 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.

Pre-reading recommended: Plato's *Republic.*

Ten hours lectures a week—3 units.

Mr. Daniels.

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 2 - 24 inclusive—1½ units.

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.

Mrs. Koopman.

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.

Commerce. (B)

Limited to students who have completed a reasonable proportion of requirements for Commerce major or majors. Students with single major may take the course for 1½ units of credit, but must be prepared to attend two hours a day when required.

Students should bring copies of the British Columbia Department of Education Curriculum Guides for Commerce Courses.

Ten hours lectures a week—3 units.

Mrs. Cameron.

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, 1967; Scargill, Penner, *Looking at Language,* W. J. Gage & Co.

Pre-reading recommended: Read at least three novels from the curriculum guide for Grade 12; Guth, *English Today and Tomorrow,* Prentice-Hall.

Ten hours lectures a week, July 2 - 24 inclusive—1½ units.

Mr. Bertram.

Geography and Social Studies. (A)

Limited to approximately 50 students.

Prerequisite: Geography major or instructor's written consent.

Pre-reading recommended: Hardwick et al, *Teaching History and Geography,* W. J. Gage, 1967.

The course will include at least one field trip, probably on a Saturday.

Ten hours lectures and seminars a week, July 2 - 24—1½ units.

Mr. Long.

German. (C)

Procedures involved in efficient teaching of German. (Methods of presentation, materials of instruction, testing and evaluation of pupil progress.)

Prerequisite: German 200 or better and good command of spoken and written German.

Pre-reading required: Goedsche/Spann, *Deutsch fur Amerikaner.*

Pre-reading recommended: Huebner/Newmark, *A First and Second Course in German.*

Ten hours lectures and one hour laboratory a week, July 2 - 24—1½ units.

Mr. Tonne.

History and Social Studies. (A)

Limited to 30-40 students.

Prerequisite: History major or instructor's written consent.

The course will include at least one field trip, probably on a Saturday.

Pre-reading recommended: Fenton, Edwin, *Teaching the New Social Studies,* New York, Holt, Rinehart and Winston, 1966.

Ten hours lectures and seminars a week, July 25 - August 16—1½ units.

Mr. McWhannel, Mr. Williams.

Home Economics. (A)

Curriculum and Instruction, two sections.

Limited to 15 students in each section.

Please be sure to report to the appropriate laboratory section on the first day. Laboratories for this course are also divided into 2 sections. Be sure to indicate the section and check the timetable before registering for a second course.

Six hours lectures, one hour discussion, and ten hours laboratory each section a week—3 units.

Mrs. McClaren, Mrs. Vaines.

Mathematics. (A)

Prerequisite: Three senior courses in mathematics or instructor's written consent.

Ten hours lectures a week, July 25 - August 16—1½ units.

Mr. Bates.

Science. (C)

Curriculum and instruction in specific secondary school subjects. This course may be taken for either 1½ units or for 3 units credit. Not more than 3 units may be obtained for Education 404. *Chemistry, Physics and Junior Secondary Science*

(1½ units) **July 2 - 24;** *Biology and Junior Secondary Science (1½ units)* **July 25 - August 16.**

Limited to 30 students.

Prerequisite: At least 12 units in one of Biological Sciences, Chemistry or Physics and at least the first year course in each of the other two sciences. Geology 105 is strongly recommended. Alternately, permission of the Instructor.

Ten hours lectures per week—3 units.

Mr. Krayenhoff.

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.

Miss Brown, Mrs. Vey.

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.

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)

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 (Elementary); 30 students (Secondary).
Ten hours lectures a week—3 units.

Mr. Wendt, Mr. White.

415. Development Reading. (A)

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

(There will be four sections, and in one section, at 1:30 p.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. Chronister, Mr. Hale, Mr. Stacey.

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.

Ten hours lectures a week—3 units.

Mr. Shaw.

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.

420. Special Education for the Trainable Retarded. (B)

An examination of techniques for identifying and educating moderately retarded (TMR) children.

Prerequisite: Education 403.

Ten hours lectures a week, July 25-August 16—1½ units.

429. Special Education for the Educable Retarded. (B)

An examination of techniques for identifying and educating mildly retarded (E.M.R.) children.

Prerequisite: Education 403.

Ten hours lectures a week, July 25-August 16—1½ units.

Mrs. Koopman.

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.

Mr. Dahlie, Mr. Smith.

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.

Prerequisite: 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)

Social organization, culture, and communities. The school as a social institution. Social stratification, and sub-cultures. Socialization, educability, motivation. Educational opportunity. Roles and status of the teacher. Professional and social policy implications.

Limited to 45-50 students each section.

Pre-reading recommended: Havighurst and Neugarten: *Society and Education,* Allyn and Bacon, 1967.

Ten hours lectures a week—3 units.

Mr. Jones, Mr. Peter.

478. Teaching English as a Secondary Language. (A)

Designed specifically for those planning to teach English to non-English speaking students. The course will concern itself with those linguistic insights that govern the effective teaching of a second language.

Limited to 45 students. (Students may not enrol for any other course.)

Prerequisite: Teaching certificate required or special permission of the instructor.

Pre-reading required: Paul Roberts, *Understanding English,* Harper, N.Y.

Ten hours lectures and five hours (at least) laboratory a week—3 units.

Mr. Elliott.

481. Introduction to Educational Research. (A)

Five hours lectures and one hour laboratory a week—1½ units.

Mr. Stein.

482. Educational Statistics. (A)

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

Five hours lectures and one hour laboratory a week—1½ units.

Mr. Stein.

490. Book Selection and Evaluation. (B)

Criteria; aids; sources; reading interests; individual and group reading guidance.

Limited to 35 students.

Ten hours lectures a week—3 units.

Mr. Fraser.

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. Lanning, Miss Rice.

501. The Psychology of Classroom Learning and Teaching. (B)

A study of educational outcomes and the formulation of the appropriate instructional strategies for their achievement.

Prerequisite: One prior course in general or educational psychology.

Ten hours lectures a week—3 units.

Mr. Schwahn.

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.

Commerce. (C)

Research in Commerce Education.

Prerequisite: Education 404 (Commerce) or equivalent.

Limited to 25 students.

Ten hours lectures a week—3 units.

Miss Farmer.

Mathematics II. (B)

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

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

Ten hours lectures a week—3 units.

Mr. Howitz.

Science. (C)

Prerequisite: Science major or permission of the Instructor.

Limited to 15 students.

Ten hours lectures a week—3 units.

Mr. Cannon.

Social Studies. (A)

Research in the teaching of History, Geography and related social studies. Required course for all candidates enrolled in graduate programmes in curriculum and instruction in the social studies.

Limited to approximately 20 students.

Prerequisite: Undergraduate major(s) in History and/or Geography, or permission of instructor.

Pre-reading required: Reading list available from The Chairman, Department of Social Studies, Faculty of Education.

Ten hours lectures a week—3 units.

Mr. Hardwick.

523. Comparative Education. (B)

Comparative analysis of the social economic and political determinants of the organization and administration of selected foreign educational systems.

Limited to 30 students.

Prerequisites: Education 400, 430 or 410.

Ten hours lectures a week—3 units.

Mr. Katz.

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.

Mr. Blank.

539. Educational Television. (B)

An extensive study of the theory, practice, and evaluation of educational television, based on research.

Limited to 20 students.

Prerequisite: Education 414 or consent of staff.

Ten hours lectures a week—3 units.

Mr. Whitinger.

551. Foundations for Inquiry in Educational Administration. (B)

Ten hours lectures a week—3 units.

552. Basic Contributions to Administrative Thought. (A)

Ten hours lectures a week—3 units.

555. Educational Finance (Formerly Ed. 559). **(C)**
Ten hours lectures a week, July 25-August 16—1½ units.

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 2 - 24 inclusive—1½ units.
Mr. Housego.

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 5 - August 16 inclusive—1½ units.
Mr. Housego.

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 25 - August 16 inclusive—1½ units.

560. School Law. (B)
Ten hours lectures a week, July 2 - 24—1½ units.

561. Laboratory Practicum. (A)
Guidance and Counselling. Admission by consent of instructor.
Prerequisite: Education 578.
Four-eight hours lectures and ten hours laboratory a week—3 units.

564. Research Problems in Curriculum Organization. (C)
Theories of curriculum organization and a review of recent research. Principles of selection, organization and evaluation of objectives.
Limited to 25 students.
Prerequisite: Education 204 or 404.
Ten hours lectures a week—3 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.

Art. (C)
Limited to ten students.
Ten hours lectures a week—3 units.
Mr. Ozard.

569. The Regional, Junior or Community College. (B)
History and philosophy of the junior college. Studies of the theoretical bases for its establishment, organization, finance, personnel and curriculum. Field trip will be arranged.
Prerequisite: Consent of the instructor.
Pre-reading recommended: **One** of Thornton, J. W. *The Community Junior*

College, Medsker, Leland, *The Junior College* or Fields, R. H., *The Community College Movement*.

Limited to 25 students.

Ten hours lectures a week—3 units.

Mr. Dennison.

574. Supervision of Reading. (C)

Curriculum analysis and planning. Implications for the administrator, the consultant general supervisors and the supervisor of reading.

Prerequisite: Consent of instructor.

Limited to 12 students.

Ten hours lectures a week—3 units.

Mr. Covell.

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

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.

Mr. Novak.

582. Statistics in Educational Research I. (B)

Analysis of variance and covariance, correlation and regression, and assumption-free statistical techniques useful for the analysis of research data mainly in the area of behavioral sciences. Experiences with calculator and computer.

Prerequisite: Education 482, old Education 582 (1½), or consent of instructor.

Pre-reading required: J. L. Myers, *Fundamental of Experimental Design*, Chapters 1 and 2.

Pre-reading recommended: G. A. Ferguson, *Statistical Analysis in Psychology and Education*, Chapters 1 to 13.

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

Mr. Lee.

594. Mental Constructs in Educational Theory. (C)

Philosophical analysis of the basic mental constructs used in educational theory and the implications of this analysis for resolving theoretical difficulties.

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

Ten hours lectures a week—3 units.

Mr. Peters.

EDUCATION

Note: Proposed courses for the 1969 Summer Session: 375, 404 (Guidance), 404 (French), 404 (Physical Education), 409, 492, 508 (Programmed Instruction), 508 (Reading), 508 (Math I), 511, 519 or 525, 524, 530, 536, 565, 570, 571, 586 or one other graduate Philosophy course, 590. Fine Arts 301, 305/405/415, 307/407/417. Music 302, 303.

INDUSTRIAL EDUCATION

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 351.

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

Vancouver Technical Secondary School, Welding Shop.

Four hours lectures and six hours laboratory, per section, a week—1½ units.

Mr. Held.

355. Electricity in Industrial Education II. (A)

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

Limited to 18 students per section.

Pre-requisite: Education 230.

Section 1: 8:00 a.m. — 12:00 noon.
Section 2: 8:00 a.m. — 12:00 noon.

B.C. Institute of Technology.

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

Mr. Hughes, Mr. McConechy.

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.

Prerequisite: Education 230.

Division of Industrial Education, Burnaby, 1:00 - 5:00 p.m.

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

Mr. Berkey.

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 per section.

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.

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.

B.C. Vocational School, Burnaby, Electronics Department, 8:00 - 12:00 noon.

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

Mr. Smith.

359. Millwork Theory and Practice. (B)

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

Limited to 18 students.

Prerequisite: Education 350.

B.C. Vocational School, 8:00 - 12:00 noon.

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

Mr. Skipsey.

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.

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

Mr. Scratchley.

450. Technology of Woodworking II. (A)

Modern methods and design in cabinet-making, veneering; wood-finishing; care and maintenance of woodworking machinery.

Limited to 18 students.

Prerequisite: Education 350.

B.C. Vocational School, Burnaby, Building 3, 1:00 - 5:00 p.m.

Twenty hours laboratory a week—3 units.

Mr. Collis.

451. Technology of Metalwork II. (A)

Common non-ferrous metals and their alloys; metallurgy; benchwork; grinding; drill press; lathework; shaper; milling machine; forging; heat treatment; simple foundry practice; tool and machine maintenance; metal finishes.

Limited to 18 students.

Prerequisite: Education 351.

B.C. Vocational School, Building 3, 1:00 - 5:00 p.m.

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

Mr. Caspersen.

452. Technology of Woodworking II. (B)

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

Limited to 18 students per section.

Prerequisite: Education 350.

B.C. Vocational School, Burnaby, Sections 1 and 2, 1:00 - 5:00 p.m.

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

Mr. Cockcroft, Mr. Derkson.

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.

Prerequisite: Education 351.

Vancouver Technical School, Automotive Shop, 1:00 p.m. - 5:00 p.m.

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

Mr. Trant

454. Pattern-making and non-ferrous casting techniques. (C)

Influence of foundry techniques and metallurgy on design. Application of various types of patterns to Industrial Arts projects. Making patterns and core boxes. Green sand moulding, core-making, gating practice, melting and pouring of brass and aluminum alloys.

Limited to 18 students.

Prerequisite: Education 350.

Vancouver Technical Secondary School Foundry, 1:00 - 5:00 p.m.

Twenty hours laboratory a week—3 units.

Mr. Catherall.

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.

B.C. Vocational School, Burnaby, Building 3, 8:00 a.m. - 12:00 noon.

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 per section.

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.

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

Mr. Summers.

458. (b) (A)

Limited to 18 students per section.

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.

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

Mr. Turney.

458. (c) (A)

Limited to 18 students per section.

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.

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

Mr. Graham.

459. Materials Technology in Industrial Education. (A)

Wood and materials directly derived from wood; metals and alloys; synthetics; adhesives, physical testing of materials.

Limited to 18 students per section.

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

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

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

Section 4: 1:00 p.m. - 5:00 p.m.

B.C. Institute of Technology, Division of Industrial Education, Burnaby.

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

Mr. Foster, Mr. Irvine, Mr. Lee, Mr. McLeod.

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.

B.C. Institute of Technology, 1:00 p.m. - 5:00 p.m.

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

Mr. Collier.

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.

Vancouver Technical Secondary School, Automotives Shop, 8:00 a.m. - 12:00 noon.

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

Mr. Alexander.

ENGLISH

100. Literature and Composition. (A)

A study of the principles of composition and of some twentieth-century examples of drama, short story, poetry, and novel. Essays will be required.

Pre-reading required: Kingsley Amis, *Lucky Jim*, F. Scott 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—3 units.

Mr. Garnett, Mr. Seamon.

200. Literature and Composition. (A)

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

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

Limited to 35 students per section. **Students in the School of Nursing must enroll in Section C, 1:30 - 3:30.**

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 examinataion 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).

Ten hours lectures a week—3 units.

Mrs. Blom, Mr. Evans, Mr. Hall, Mr. Johnson, Mr. Rosengarten, Mr. Siemens.

Note: English 200 or its equivalent is prerequisite to all English courses numbered 300 and above.

300. Seminar for English Majors. (A)

An introduction to critical and scholarly reading and expression, with close textual study and the writing of a number of papers. The course for this session will be centred on tragic experience.

Limited to 20 students.

Prerequisite: English 200.

Pre-reading required: Shakespeare, *Antony & Cleopatra;* Milton, *Lycidas;* Hawthorne, *The Scarlet Letter;* Joyce, *The Dead.*

Ten hours lectures a week—3 units.

Mr. Stewart.

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: W. Nelson Francis, *The English Language: An Introduction.* Individual instructors will choose an additional textbook.

Ten hours lectures a week—3 units.

Mr. Broome, Mrs. Creigh, Mr. Hart, Mr. Kilgallin, Mrs. Sinclair, Mr. Whitman.

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. This 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. Pinkus.

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 Secretary, Buchanan 469.

Limited to 40 students.

Pre-reading recommended: C. C. Fries, *Structure of English;* N. Chomsky, *Syntactic Structures.*

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: David, *The Twelve Dancing Princesses* (Signet); Grahame, *Wind in the Willows;* Graham, *A Puffin Book of Verse* (Penguin); Hamilton, *Mythology* (Mentor); White, *Charlotte's Web;* Egoff, *The Republic of Childhood* (Oxford paperback).

Ten hours lectures a week—3 units.

Mrs. Ashley, Miss Dorosh, Mrs. Hart, Mrs. Ralston.

321. Approaches to Poetry. (B)

Critical studies of great poems in the mainstream of English Literature from Chaucer to Keats.

Pre-reading recommended: Rosamond Tuve, *Elizabethan and Metaphysical Imagery.*

Limited to 25 students.

Ten hours lectures a week—3 units.

Mr. Wigod.

340. The English Novel. (A)

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 twenty novels.

Limited to 35 students.

Pre-reading recommended: An examination on the pre-reading that follows will be given at the end of the first week: Defoe, *Robinson Crusoe, Moll Flanders;* Richardson, *Clarissa;* Fielding, *Tom Jones;* Sterne, *Tristram Shandy;* Burney, *Evelina;* Lewis, *The Monk;* Austen, *Northanger Abbey, Emma.*

Ten hours lectures a week—3 units.

Mr. Hulcoop.

365. Shakespeare. (A)

Detailed study in class of eight plays: *Richard III, As You Like It, Twelfth Night, Julius Caesar, Hamlet, 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.

Note: Students should have a copy of the complete works in any standard edition; they should read as many plays as possible before lectures begin. For class use it is suggested that students obtain individual copies of the plays in any popular series, e.g. Pelican.

Ten hours lectures a week—3 units.

Mr. Jackson.

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: S. T. Bindoff, *Tudor England;* E. M. W. Tillyard, *The Elizabethan World Picture;* F. E. Halliday, *The Life of Shakespeare.*

Note: Students should have a copy of the complete works in any standard edition; they should read as many plays as possible before lectures begin. For class use

it is suggested that students obtain individual copies of the plays in any popular series, e.g. Pelican.

Ten hours lectures a week—3 units.

Mr. Creigh.

375. Milton. (B)

The work of Milton, with special emphasis upon *Paradise Lost.*

Pre-reading required: *Paradise Lost, Paradise Regained, Areopagitica, Second Defense.*

Ten hours lectures a week—3 units.

Mr. de Bruyn.

391. The Romantic Period. (A)

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

Limited to 35 students.

Ten hours lectures a week—3 units.

Mr. Powell.

392. Victorian Poetry. (A)

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

Pre-reading required: Students should read the longer poems by Tennyson and Browning in Houghton and Stonge, *Victorian Poetry and Poetics.*

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. Authors include Hardy, Butler, Hopkins, Moore, Wilde, Yeats, Conrad, Wells, Shaw, and Synge. A detailed reading list is available from the Department, Buchanan 469.

Limited to 35 students.

Pre-reading required: Hardy, *Return of the Native; Mayor of Casterbridge* (Macmillan); Butler, *Way of All Flesh* (Penguin); *Erewhon* (Everyman); Moore, *Esther Waters* (Everyman); Wilde, *Picture of Dorian Gray* (Viking).

Ten hours lectures a week—3 units.

Mr. Wisenthal.

429. Contemporary Literature. (A)

The course deals with major figures and trends in English literature between 1914 and 1960: Joyce, Yeats, Eliot, Lawrence, Auden, Woolf, Beckett, Thomas, Waugh and others.

Limited to 35 students.

Pre-reading required: Joyce, *Ulysses;* Lawrence, *Women in Love;* Eliot, *Complete Poems* (Faber); Yeats, *Complete Poems* (Macmillan).

Ten hours lectures a week—3 units.

Mr. Yeomans.

450. A Survey of American Literature. (B)

The course covers the main movements in American literature from Puritanism to the middle of the twentieth century, with special attention to major writers.

Limited to 35 students.

Pre-reading required: Cooper, *The Prairie* (Rinehart); Hawthorne, *The Scarlet*

Letter and Twain, *Adventures of Huckleberry Finn* (in the main textbook, Bradley, Beatty, and Long, *The American Tradition in Literature,* 3rd edition); Melville, *Moby-Dick* (Bobbs-Merrill); James, *The Portrait of a Lady* (Riverside). Dreiser, *Sister Carrie* (Rinehart); Fitzgerald, *The Great Gatsby* (Scribner's paperback); and Faulkner, *Absalom, Absalom!* (Modern Library).

Merrill); James, *The Portrait of a Lady* (Riverside). Dreiser, *Sister Carrie* (Rinehart); Fitzgerald, *The Great Gatsby* (Scribner's paperback); and Faulkner, *Absalom, Absalom!* (Modern Library).

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

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.*

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

506. Studies in Poetry: Donne and T. S. Eliot. (C)

Limited to 12 graduate students in full standing.

Prerequisite: Permission of the department's graduate committee is required. No other course may be taken concurrently.

Pre-reading recommended: *The Complete Poems of John Donne,* ed. John T. Shawcross (Doubleday-Anchor, 1967); Eliot, *Collected Poems, 1909-1962; The Metaphysical Poets,* ed. Helen Gardner (Penguin).
Ten discussion hours a week—3 units.
Mr. Stanwood.

535. Studies in the Victorian Period: New Movements of the 1880's and 1890's. (C)

Limited to 12 graduate students in full standing.

Prerequisite: Permission of the Department's graduate committee is required. No other course may be taken concurrently.
Ten hours discussion a week—3 units.
Mr. Fletcher.

FINE ARTS

NOTE: *The following courses are for credit only in the Faculty of Education, with the exception of Fine Arts 125, 228 and 432, 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. Ozard (Art), Mr. Sandvoss (Music).

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: Bernard S. Myers, *Art and Civilization,* McGraw-Hill Inc., New York, 1967.

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

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 Pye, *The Nature of Design;* Joseph W. Krutch, *The Great Chain of Life.*

Twenty hours a week lectures and laboratory—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 the University Book Store.

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

Miss Arundel-Ross, Mr. Black, Mrs. Gouldstone, Mr. Steele.

302. Drawing and Painting. (B)

Designed to form the basis for any advanced work towards an art major. The fundamentals of both techniques will be explored using still life, figure and landscape. Students will be expected to submit a sketch book of work done outside of class as part of the final mark.

Prerequisites: Fine Arts 101 and Fine Arts 300.

For credit only in the Faculty of Education.

Limited to 20 students majoring in Art.

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

Mr. Gray.

303. Ceramics and Modelling I. (B)

Introduction to ceramics and modelling with emphasis upon the preparation of clays, use of glazes and kiln-firing techniques. Demonstration and introduction to wheel techniques. (This course will require extra laboratory time.)

Prerequisites: Fine Arts 300 and 302, or equivalent courses.

Limited to 20 students for F.A. 303, 403, 413 combined.

Ten hours laboratory a week—3 units.

Mr. Clarke.

403. Ceramics and Modelling II. (B)

Advanced ceramics and modelling with specialization in the use of the potter's wheel, molds and casting, firing techniques; investigation of local and imported clay; glazing research. (This course will require extra laboratory time.)

Prerequisite: Fine Arts 303 or equivalent course.

Limited to 20 students for F.A. 303, 403, 413 combined.

Ten hours lectures a week—3 units.

Mr. Clarke.

413. Ceramics and Modelling III. (B)

A special study in an advanced field of ceramics and modelling.

Prerequisites: Fine Arts 303 and 403 or equivalent courses.

Limited to 20 students for F.A. 303, 403, 413 combined.

Ten hours lectures a week—3 units.

Mr. Clarke.

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. Taylor.

432. European Art from 1600 to 1750. (C)

The painting, sculpture and architecture of the major European countries during the seventeenth and early eighteenth centuries.

Prerequisite: Either Fine Arts 125 or Fine Arts 101.

Ten hours lectures a week—3 units.

FRENCH

110. First Year French. (A)

Prerequisite: French 11 or equivalent.

Pre-reading required: Georges Simenon, *Tournants Dangereux,* pp. 1-65.

Limited to 25 students each section.

Ten hours lectures a week—3 units.

Mrs. Knutson, Mr. St. Clair.

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

Prerequisite: French 12 or equivalent.

Pre-reading required: J. P. Sartre, *Huis Clos,* ed. Hardré and Daniel (Appleton-Century-Crofts).

Ten hours lectures a week—3 units.

Miss Franklyn.

210. Second Year University French. (A)

Limited to 25 students per section.

Prerequisite: French 110.

Pre-reading required: A. Gide, *La Symphonie Pastorale.* Edition, Livre de Poche Université.

Ten hours lectures a week—3 units.

Mrs. Harger, Mr. Ricketts.

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.

Mr. Knutson.

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. Pronger.

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.

Mrs. McBride.

306. French Phonetics. (A)

Theory and practice of French pronunciation.

Limited to 25 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.

Mr. Stutzer.

415. The Twentieth-Century Novel. (C)

Representative works and significant trends.

Ten hours lectures a week—3 units.

Father Barjon.

416. French Canadian Literature. (C)

Characteristic works, from its origin to the present.

Ten hours lectures a week—3 units.

Mr. Wyczynski.

GEOGRAPHY

100. Introduction to Geography. (A)

An introduction to the geographic analysis of relationships of man, culture and 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).

Mr. Copley, Mr. Sandhu.

101. Introduction to Physical Geography. (A)

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

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.

Mrs. North.

201. Economic and Cultural Geography.

Geographic aspects of cultural and economic change, resources, predominant economies; industrialization and urbanization.

Ten hours lectures a week—3 units.

Mr. Leigh.

361. Location Theory and Regional Analysis. (C)

Applications of location theory and spatial analysis to economic and urban geography.

Prerequisite: Geography 201.

See Geography 461 for the second half of this course.

Ten hours lectures a week for the period July 2 - 24—1½ units.

Mr. North.

373. Cartographic Design. (C)

Historical cartography; projection systems; design problems; map evaluation.

Prerequisite: Geography 101 or Geology 105.

Note: A geography major now requires 3 units of Geography 370, 371, 372, 373, 470.

Ten hours lectures and four hours laboratory a week, July 2 - 24—1½ units.

Mr. Farley.

461. Regionalization and Economic Development. (C)

Geographic analysis of selected problems of regional growth and economic development.

Prerequisite: *This course is meant to be the second half of Geography 361, but may be taken separately for 1½ units by students with previous urban or economic geography courses.*

Ten hours lectures a week, July 25 - August 16—1½ units.

Mr. North.

492. Regional Geography of the United States. (C)

Regional analysis of the physical and human resources of the United States.

Prerequisite: *one* of Geography 100, 101, 201.

Pre-reading recommended: For students taking either or both Geography 492 and 499, J. W. Watson, *North America,* Longmans. Students in both courses should purchase the Oxford Regional Economic Atlas of The United States and Canada, 1967. Additional texts to be assigned.

Ten hours lectures a week—3 units.

Mr. Hart.

499. Geography of Canada. (C)

Regional geography; landforms, climate, natural resources, population; primary industries.

Prerequisite: one of Geography 100, 101, 201.

Pre-reading recommended: For students taking either or both Geography 492 and 499, J. W. Watson, *North America,* Longmans. Students in both courses should purchase the Oxford Regional Economic Atlas of The United States and Canada, 1967. Additional texts to be assigned.

Ten hours lectures a week—3 units.

Mr. Watson.

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. Smith.

GERMAN

100. First Year German. (A)

Introduction to the language.

Ten hours lectures and laboratory a week—3 units.

Mr. Frey, Mr. Mornin.

200. Second Year German. (A)

Reading grammar, composition.

Prerequisite: German 100.

Ten hours lectures a week—3 units.

Mr. Miller.

323. Advanced Composition. (C)

Intensive training in translation, free composition and oral expression.

Ten hours lectures a week—3 units.

Mr. Martin.

404. The Romantic Movement. (C)

A study of the literature of the period against the background of philosophical, political and social developments.

Pre-reading recommended: Selections in Die deutschen Romantiker (ed. Stenzel).

Ten hours lectures a week—3 units.

Mr. Krügel.

HISTORY

N.B. Because of the heavy reading and writing assignments in History courses, it has been decided to permit students to enrol in only one History course.

202. History of Canada. (A)

Pre-reading required: McInnis, *Canada.*

Ten hours lectures a week—3 units.

Mr. McKague.

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.

Limited to 50 students.

Ten hours lectures a week—3 units.

405. History of Imperial Russia, 1689-1917. (C)

Ten hours lectures a week—3 units.

Mr. Hutchinson.

413. The Reformation. (C)

Intellectual, social, political aspects of the religious developments.

Ten hours lectures a week—3 units.

Mr. Potter.

419. Great Britain Since 1832. (C)
Ten hours lectures a week—3 units.
Mr. Mullett.

424. Modern Chinese History Since 1840. (C)
Political, social and intellectual changes from the Opium War to 1949.
Ten hours lectures a week—3 units.

426. Canada After 1867. (B)
A survey of the main features of political and economic development of Canada after 1867.
Limited to 50 students.
Ten hours lectures a week—3 units.
Mr. Humphries.

427. The United States Since 1877. (C)
Ten hours lectures a week—3 units.
Mr. Shover.

432. Diplomacy of the Great Powers after 1939. (C)
Major international problems since 1939.
Ten hours lectures a week—3 units.
Dean Soward.

HOME ECONOMICS

H.E. 202, 210 and 310 are presented as a 3-unit course and must be taken in this manner.
Limited to 30 students.
Ten hours lectures and six hours laboratory a week.
Miss Taylor.

202. Introductory Textiles. (B)
A study of the historical and contemporary significance; physical, chemical, microscopic, and biologic properties; fibre, yarn and fabric characteristics of the major natural and man-made nonthermoplastics and thermoplastics; problems in consumership.
Prerequisite: Chemistry 230.
Pre-reading recommended: Labarthe, Jules, Textiles: *Origin to Usage,* New York, Macmillan Co. 1964.

210. Comparative Clothing Construction. (B)
Investigation and application of clothing construction principles on traditional and newly developed fabrics. Two-week workshop scheduled immediately following Spring term examinations.
Prerequisite: H.E. 202.

310. Clothing: Relationship to Human Needs and Behaviour. (B)
A study of human needs, cultural, and economic factors which influence clothing consumption and use. Application of sociological and psychological theories that give understanding to the clothing behaviour of an individual, as a unique being and as a member of a group.
Prerequisites: H.E. 220, 340; 3 units in Social Science.
Pre-reading recommended: Erwin & Kinchen, *Clothing for Moderns,* 1964, Macmillan, 3rd ed.; Roach and Eicher, *Dress Adornment and the Social Order,* Wiley.

203. Foods and Nutrition. (B)

A basic nutrition course with a public health emphasis. Includes a consideration of the food and nutrition situation in Canada (dietary surveys, nutrition problems, food marketing and government control) and a comparison to the food and nutrition situation in underdeveloped countries.

Prerequisites: Chemistry 230, Economics 200.

Limited to 16 students.

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

Mr. Desai, Mr. Lee.

340. Human Development. (B)

Genetic and environmental factors will be considered in their influence on personality, motor, social and cognitive learning, with the implications for guidance in the home and school.

Ten hours lectures a week—3 units.

ITALIAN

200. Second-Year Italian. (B)

Reading, composition, conversation.

Prerequisite: Italian 100.

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

Mrs. Ciccone.

LATIN

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

Intended primarily for students attending the Summer Session. A large part of *The Oxford Book of Latin Verse* 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 equivalent.

Ten hours lectures a week—3 units.

Mr. Sandy.

MATHEMATICS

120. Introduction to Calculus. (A)

Calculus and analytic geometry. This course is prerequisite to Mathematics 155, 156, 200, 202, 220, 221, 240. It is a required course for all students in the Faculty of Science and for all students intending to take Engineering, Architecture or a Major or an Honours Course in mathematics.

Prerequisite: Mathematics 12 or 91 (Secondary School Programme, British Columbia) or the equivalent.

Pre-reading required: Those students offering Mathematics 91 or the equivalent should read *Trigonometry* by E. P. Vance, Addison-Wesley Publishing Co., Chapters 2, 3, 4 and 6.

Ten hours lectures a week—3 units.

Mr. Moore.

200. Algebra and Geometry. (A)

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

Prerequisite: Mathematics 120.

Ten hours lectures a week—3 units.

Mr. Peregrym.

202. Calculus. (A)

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. Bergsma, Mr. Gray.

300. Calculus II. (A)

Differential and integral calculus with applications.

Prerequisite: Mathematics 202 or 220.

Ten hours lectures a week—3 units.

Mr. Davis.

306. Topics in Geometry. (B)

A study of various geometrics 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. Lefevre.

308. Topics in Algebra. (B)

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 200.

Ten hours lectures a week—3 units.

Mr. Norton.

410. Differential Equations. (B)

An introductory course with applications to geometry, mechanics, physics, and chemistry.

Prerequisite: Mathematics 300.

Ten hours lectures a week—3 units.

Mr. Leimanis.

412. Fundamentals of Analysis. (B)

Set theory up to the Cantor-Bernstein equivalence theorem. Real numbers. Continuous-function theorems. Mean-value theorem. Brouwer fixed-point theorem. Poincare's theorem on vector fields on the surface of a sphere.

Prerequisite: Mathematics 300.

Ten hours lectures a week—3 units.

Mr. Bressler.

503. Global Differential Geometry. (C)

Differential manifolds, differential forms, exterior calculus on manifold; De Rhom's theorem; Intrinsic Riemannian geometry, harmonic integrals, Gauss-Bonnet theorem; Morse theory and its application to the differential geometry of immersed manifolds, in particular to the theory of total absolute curvature due to S. S. Chern and N. H. Kuiper.

Prerequisite: Some knowledge of elementary differential geometry.

Ten hours lectures a week—3 units.

Mr. Willmore.

531. Operators in Hilbert Space. (C)

The geometry of Hilbert Space; elementary operator and spectral theory; special classes of operators; invariant and reducing subspaces for some non-normal operators.

Prerequisite: Mathematics 322, 401, 404.

Ten hours lectures a week—3 units.

Mr. Wallen.

536. Topics in Numerical Analysis. (C)

Prerequisite: Mathematics 401.

Ten hours lectures a week—3 units.

Mr. Tompkins.

MICROBIOLOGY

200. Introductory Microbiology. (A)

Structure and function of bacteria 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 101 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. Blackburn, Mr. Warren.

MUSIC

201. Counterpoint and Harmony. (C)

A continuation and expansion of Music 101.

Prerequisite: Music 101 or equivalent.

For credit only in the Faculty of Education.

Ten hours lectures a week—3 units.

Mr. Clingman.

320. History of Music II. (B)

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

Ten hours lectures a week—3 units.

Mr. Wilson.

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. Talney.

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.

401. Orchestration and Arranging. (A)

Technics of writing and arranging for chorus, band, and orchestra.

Prerequisite: Music 201 or equivalent.

Ten hours lectures a week—3 units.

Mr. DeCoursey.

Note: Music 120 is proposed for 1969.

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.

PHYSICAL EDUCATION

The attention of the students is directed to the fact that there have been changes in the unit values of all of the activity courses with the exception of P.E. 230. It is possible that these changes may cause some inconvenience to students who already have credit for some of the courses which previously carried a credit of one half unit. Students who are encountering difficulty in arranging a suitable programme for completion of their requirements are requested to write to the Director of the School of Physical Education and Recreation. With special permission, students will be allowed to register for a course for which they already have partial credit. In such cases, special work will be required.

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.

201. Gymnastics II. (A)

Tumbling and apparatus, rhythmical gymnastics, teaching methods and techniques.

Limited to 25 students per section.

Prerequisite: P.E. 101.

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

One hour per day, July 2 - August 16 inclusive—1 unit.

Mrs. Gordon.

202. Gymnastic Activities IB (Men). (A)

Tumbling and apparatus, teaching methods and techniques.

Limited to 25 students.

Pre-reading required: Hughes, *Gymnastics for Men,* Ronald Press Company.

One hour per day a week, July 2 - August 16 inclusive—1 unit.

Mr. Klaus.

203. Conditioning Programmes (Men/Women). (A)

Conditioning exercises, fitness assessment, adaptation of exercise programmes, teaching methods and techniques.

Pre-reading required: *Atlas of Human Anatomy* (Colorprint), American Map Co. Inc., New York.

Pre-reading recommended: D. K. Mathews, *Measurement in Physical Education,* W. B. Saunders Co., Philadelphia.

One hour per day a week, July 2 - August 16 inclusive—1 unit.

Mr. Klaus.

210. Basketball. (A)

Skills, rules, offensive and defensive tactics, teaching methods and techniques.

Limited to 50 students.

Pre-reading required: P. Newell and J. Benington, *Basketball Methods.*

One hour per day a week, July 2 - August 16 inclusive—1 unit.

Mr. Korchinsky, Mr. Pomfret.

212. Football. (B)

Offensive and defensive fundamental techniques. Basic drills for implementing these techniques. Introduction to basic formations.

Pre-reading required: Fuoss, *Championship Football Drills,* Prentice-Hall, 1964, Englewood Cliffs, N.J.

One hour per day a week, July 2 - August 16 inclusive—1 unit.

Mr. Reeske.

215. Soccer, Speedball, Speed-a-way (Women). (C)

Skills, rules, offensive and defensive tactics, teaching methods and techniques.

Pre-reading required: D.G.W.S., *Official Soccer-Speedball Guide,* American Association of Health, Physical Education and Recreation, current edition. A quiz will be given in the second week of the course on the Official Soccer Rules for Girls and Women.

Pre-reading recommended: D.G.W.S., Sports Articles Reprint Series, *Selected Soccer and Speedball Articles;* The Football Association, *Modern Soccer—The Skills in Play,* Educational Productions Limited.

One hour per day a week, July 2 - August 16 inclusive—1 unit.

Miss Talbot.

216. Soccer. (B)

Skills, rules, offensive and defensive tactics, teaching methods and techniques of soccer.

Limited to 30 students.

Pre-reading required: *Laws of Association Football* and *Modern Soccer,* published by The Football Association, Educational Productions Limited, 17 Denbigh Street, London, S.W. 1, England.

One hour a day a week, July 2 - August 16—1 unit.

Mr. Johnson.

218. Games, Contests and Relays. (A)

Individual, pair, team and group activities; teaching methods and techniques.

Limited to 35 students.

Janet Pomeroy, *Recreation for the Physically Handicapped,* Macmillan Co., 1964, Chapter 21 to the end; Ed. M. L. Van Vliet, *Physical Education in Canada,* Prentice-Hall.

One hour per day, July 2 - August 16 inclusive—1 unit.

Miss Talbot.

219. Volleyball. (A)

Skills, rules, offensive and defensive tactics, teaching methods and techniques.

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 2 - August 16 inclusive—1 unit.

Mr. Watt.

230. Swimming. (A)

Water safety, strokes, skills, entries, survival techniques, teaching methods and techniques.

Limited to 20 students per section.

Pre-reading required: The Water Safety Manual of the Canadian Red Cross.

One hour per day, Section 1: July 2 - 24 inclusive; Section 2: July 25 - August 16 inclusive—½ unit.

Non swimmers should not register for this course. Such persons should consult Mr. J. B. Pomfret for a special programme.

240. Dance. (A)

A composite course of folk, square and ballroom dancing, teaching methods and techniques.

One hour per day, July 2 - August 16 inclusive—1 unit.

Mrs. Gordon, Mr. Vincent.

244. National Dance (B)

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

Pre-reading required: Harris et al., *Dance A While,* Burgess Publishing Co.; Kraus, *Folk Dancing,* A. S. Barnes and Company.

Pre-reading recommended: Duggan, *Folk Dance of European Countries,* A. S. Barnes & Co.

One hour per day, July 2 - August 16 inclusive—1 unit.

Mrs. Gordon.

250. Track and Field I. (A)

Running, jumping, throwing, hurdling, kinesiological and mechanical principles, conditioning activities, teaching methods and techniques.

Limited to 30 students.

Pre-reading recommended: J. B. Powell, *Track and Field for Teachers and Coach;* D. L. Pugh and D. C. V. Watts, *Athletics for Women;* Amateur Athletic Association's Instructional Booklets; *Modern Track and Field,* K. Doherty.

One hour per day, July 2 - August 16 inclusive—1 unit.

Mr. Pugh.

260. Principles of Physical Education. (A)

A study of physical education as a profession; principles, nature and scope, objectives and their interpretations.

Limited to 40 students.

Pre-reading required: *Physical Education,* 3rd ed., Oberteuffer and Ulrich, Harper & Row, New York.

One hour per day—1½ units.

Mr. Johnson.

262. Health I. (A)

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

Limited to 56 students.

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. Reeske.

330. Swimming. (B)

Water rescue, synchronized and competitive swimming, diving, teaching methods and techniques.

Prerequisite: P.E. 230 (Test A), P.E. 232, or the equivalent.

Limited to 24 students.

One hour per day (12:30 - 1:25 p.m.) July 2 - August 16 inclusive—1 unit.

Mr. Pomfret.

350. Advanced Track and Field. (B)

Organization and conduct of track and field meets; construction of tracks and facilities; rules; promotion.

Prerequisite: Physical Education 250 and/or Physical Education 251.

Pre-reading recommended: I.A.A.F. Handbook; J. K. Doherty, *Modern Track and Field;* various publications indicated during the course.

Limited to 25 students.

One hour per day, July 2 - August 16—1 unit.

Mr. Pugh.

462. Health II. (B)

Current problems in health education with selection determined by needs of the students—social hygiene, habit-forming substances, communicable and non-communicable diseases.

Prerequisite: Physical Education 262 or Anatomy 390.

Pre-reading recommended: Williams, J. F. & Kitzenger, A., *Health for College*

Students, Harper Row, N.Y. 1967.
One hour per day—1½ units.
Mr. Whittle.

470. Tests and Measurements. (C)

Physical education tests; physical fitness, physiological fitness, posture, strength, motor ability, social efficiency measures, skill tests, knowledge tests.

Limited to 35 students.

Pre-reading required: Donald K. Mathews, *Measurement in Physical Education,* W. B. Saunders, 2nd ed.

Pre-reading recommended: E. A. Townsend & P. J. Burke, *Statistics for the Classroom,* Macmillan Co., New York.

Five hours lectures per week, 1:30 - 2:25, and 2 hours laboratory a week, Tuesdays and Thursdays, 2:30 - 3:30—1½ units.
Mr. Brown.

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.
Mr. de Sobrino.

300. Electricity and Magnetism. (B)

Fundamentals of magnetism and electricity including basic A.C. circuit theory.

Prerequisite: Physics 200; Mathematics 202 or 220.

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

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.
Mr. Schwerdtfeger, Mr. Turrell.

POLITICAL SCIENCE

202. Contemporary Ideologies. (C)

An examination of some of the major political ideologies: communism, socialism, fascism, conservatism, liberalism.

Limited number of students.

Ten hours lectures a week, July 2 - 24—1½ units.
Mr. Broadbent.

310. Introduction to Political Behaviour. (C)

The social, cultural and psychological contexts of political behaviour.

Limited number of students.

Prerequisite: Political Science 200 or 201.

Pre-reading required: H. Eulau, *The Behavioural Persuasion in Politics* (Stanford paperback).

Pre-reading recommended: R. Lane, *Public Opinion* (Prentice-Hall paperback); R. Lane, *Political Life* (Free Press paperback).

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

440. Democracy in a Changing World. (C)

Basic principles of democracy; a model for international comparison. Survey of liberal democratic states: merits and defects of old-established systems; problems of the emergent democracies. Democratic relativism; democracy and foreign affairs; democracy and nationalism; responsibilities of the mass media; concentration of private power; future of democracy.

Limited number of students.

Prerequisite: Political Science 201 or 202 or 300 or special permission.

Ten hours lectures a week, July 25 - August 16—1½ units.

Mr. Broadbent.

PSYCHOLOGY

100. Introductory Psychology. (A)

A survey of the areas and methods of psychology with emphasis upon the basic processes in animal and human behaviour: Topics covered include learning, sensation, perception, biological bases of behaviour, personality and social psychology.

Ten hours lectures a week—3 units.

Mr. Bakan.

206. Dynamics of Behaviour. (A)

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

Prerequisite: Psychology 100 or equivalent.

Pre-reading recommended: Ulrich, R., Stachnik, T., Mabry, J., *Control of Human Behavior,* Scott Foresman & Co., Glenville, Illinois, 1966.

Ten hours lectures a week—3 units.

Mr. Weiss.

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.

307. Motivation and Emotion. (C)

An experimental analysis of motivational processes such as hunger, thirst, exploratory and curiosity behaviour, maternal and reproductive behaviour, fixed action patterns and complex processes involved in social motivation.

Prerequisite: Psychology 100 and 200.

Ten hours lectures a week—3 units.

Mr. Valle.

403. Tests and Measurement. (B)

Statistical approaches to test construction and analysis. Topics receiving special attention are: Units of measurement; item analysis; validity; reliability; test standardization and factor analysis.

Prerequisite: Psychology 316 or a comparable course in statistics.

Ten hours lectures a week—3 units.

Mr. Devries.

409. Cognitive Processes. (B)

A course on the higher mental processes described as problem-solving, concept formation, thinking, creativity, information processing and storage, cognitive structures and their relationships to other functional processes.

Prerequisite: Psychology 100 and 200 or 206.

Pre-reading recommended: Mednick, S. A., *Learning,* Englewood Cliffs, Prentice-Hall, 1965, and/or Hill, Winifred F., *Learning—A Survey of Psychological Interpretations,* San Francisco, Chandler, 1963.

Ten hours lectures a week—3 units.

Mr. Knox.

RUSSIAN

200. Second Year Russian. (A)

Limited to 30 students.

Prerequisite: Russian 100 or its equivalent.

Pre-reading recommended: Pargment, *Beginner's Russian Reader,* (Pitman, Second Edition).

Ten hours lectures a week—3 units.

Mr. Ohanjanian.

SOCIOLOGY

200. Introduction to Sociology. (B)

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. Willmott.

301. Deviance.

Forms of deviance; social roles of deviants; attitudes towards nonconformity; punishment and cure; evasion of rules; contributions of deviance to the functioning of social systems.

Ten hours lectures a week—3 units.

Mr. Zimmerman.

For students of the School of Nursing only.

306. Socialization. (C)

Analysis of the acquisition and loss of membership in social groups, stages in the learning of social roles, and of the institutions concerned with the socialization of adults and children.

Prerequisite: Sociology 200.

Ten hours lectures a week—3 units.

Mr. Smith.

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,* in the class text *Lecturas amenas.*

Ten hours lectures a week—3 units.

Mr. McDonald.

301. Survey of Spanish Literature. (C)

Origins to the modern period.

Prerequisite: Spanish 200 or equivalent.

Pre-reading required: Details of this, and textbooks required, available on request at the Summer School Office or from Mr. T. Bartroli, Department of Hispanic Studies.

Ten hours lectures a week—3 units.

Mr. Bartroli.

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 10, 1968.)

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

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

Mr. Strassmann.

310. History of the Theatre to 1700. (B)

A study of the theatre from its beginnings in primitive ritual, through Classical and Mediaeval theatre, to the merging of the Graeco-Roman, Christian and folk traditions in the theatres of Italy, England, France and Spain in the 16th and 17th centuries. Emphasis will be placed on the various arts of the theatre and their relation to the social, religious and philosophical movements of the periods studied.

Ten hours lectures a week—3 units.

Mr. Brockington.

ZOOLOGY

302. Microanatomy. (C)

Morphological and physio-chemical organization of the cell, description of the fundamental tissues; introductory embryology with an emphasis on casual principles of development.

Prerequisite: Biology 101 or Zoology 105 or equivalent.

Limited to 36 students.

Ten hours lectures and 15 hours laboratory a week—3 units.

Mr. Finnegan.

SUMMER SESSION REGISTRATION — 1967

Credit Courses

MEN	WOMEN	TOTAL
2697	2547	5244

EXTRA-SESSIONAL CREDIT PROGRAMMES

I. Extra-Sessional Credit Evening Courses

May 1 - July 31, 2 evenings a week. 7 p.m. to 9:45 p.m. Registration at the Office of the Registrar; early application is advised.

Courses are open at a reduced rate to a limited number of students who do not wish to take them for credit. *Non-credit students should register through the Extra-sessional Division of the Department of University Extension.* Non-credit students will be expected to maintain the same schedule of readings and written assignments as the regular students but will not need to write the final examination.

English 200 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 217.

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 or Arts I.

Mrs. Fredeman.

English 300 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1, Buchanan, Room 219.

Seminar for Majors—Exercises in criticism involving various critical approaches to literature. A number of set texts, supplemented by additional readings, will be examined closely in small sections.

Mr. Durbach.

English 303 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 221.

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

Mrs. Howard.

English 425 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 223.

British Drama, 1880 to the Present. A study of the movements and major dramatists in the late nineteenth and twentieth centuries.

Mrs. Stockholder.

History 429 (Section 901)—3 units

Tuesdays and Thursdays, 7 p.m., May 2. Buchanan, Room 319.

History of the American West—Political, social, and economic changes in the Trans-Mississippi West from 1800.

Mr. Lawrence.

Psychology 409 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 321.

Cognitive Processes—Problem-solving, concept-formation, thinking, reasoning and their relationships to other functional processes.

Mr. Reber.

Sociology 301 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 323.

Deviance—Forms of deviance; social roles of deviants; attitudes towards non-conformity; punishment and cure; evasion of rules; contributions of deviance to the functioning of social systems.

Mr. Ratner.

Sociology 425 (Section 901)—3 units

Mondays and Wednesdays, 7 p.m., May 1. Buchanan, Room 325.

Urban Sociology—Demographic, behavioural and organizational aspects of urban structures and of urbanization in different societies and periods.

Mr. Gray.

II. Extra-Sessional Credit Courses in the Field

Geography 495—The Geography of Latin America

July 1968 in Mexico

The Geography of Latin America, a regular University of British Columbia upper year geography course, will be given for *3 units of credit in Mexico, July 1 - 30, 1968.* The course will deal first with pattern and change generally in all of Latin America and then narrow down to a detailed discussion of selected regions and a substantial treatment of Mexico. Focus throughout will be on socio-economic development. The instructor will be *Dr. Alfred H. Siemens* of UBC. Headquarters will be in *Tehuacan,* a resort town some 140 miles southeast of Mexico City. The course will include lectures, seminars and field trips into the environs. Traditional Mexican communities, the modern "growth region" of southern Veracruz, archaeological sites, a new Volkswagen plant, the eastern escarpment of Mexico's central plateau with its altitudinal zonation of climate and vegetation, Mexico City, and more is within range of one or two day excursions. Enrolment is limited and admission to the course is subject to instructor's permission. Applicants with some background in geography will be given preference. Geography 201 or 100 is recommended. Students must provide their own *transportation to Mexico City* where they will be met on July 1, 1968, by a representative of the University of British Columbia. A *group departure* will be arranged for those who desire it. Cost of *room, board and transportation in Mexico* for the duration of the course is $480. Students wishing to take their families are free to do so but must assume full responsibility for them; arrangements can be made through the travel agent. Please note, only registered students are eligible to participate in field trips. The *tuition* fee is $100. *Registration Procedure:* 1. Complete and return the attached Application for Registration form as soon as possible. New students to the University of British Columbia will then be sent Application for Admission forms (deadline March 29). Admitted students will receive course Registration forms (deadline April 30). 2. Details regarding non-academic requirements such as valid passport, international vaccination certificate, group travel, etc., will be sent with Registration forms. 3. The $50 deposit, less an administration charge of $3, will be refunded if admission to the course is not granted.

PLEASE USE APPLICATION FOR REGISTRATION
FORM ON LAST PAGE OF BOOK.

ADVANCE NOTICE
July 1969

Asian Studies Credit Courses in the Field

Location: Japan

It is hoped to offer Asian Studies credit courses in Japan, July 1969. The courses will be chosen so that they will be acceptable for credit in both Asian Studies and another Department such as Fine Arts, History or English.

Persons wishing to take the courses on a non-credit basis will also be accepted.

The schedule will include opportunities to enjoy some of Japan's unique cultural accomplishments as well as visits to the most important cultural areas.

At the close of the session an optional tour of South-east Asian countries will be provided to give first-hand experience of the cultures of the nations of the Orient.

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

III. Correspondence Credit Courses

Students are reminded that the following correspondence courses are available this time of year: Economics 306, Education 412, History 212, History 326, Philosophy 100, Political Science 200, Psychology 100, Psychology 206.

Knowledge of the availability of these courses may assist students in planning their programmes of studies. Further information on these, as well as correspondence courses offered September to April only, 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 PROGRAMME OF CONTINUING EDUCATION

During the summer of 1968, the Department of Extension is offering a wide selection of evening and daytime continuing education programmes in such subjects as film production, creative arts, archaeology, public affairs, creativity, and French language instruction.

Details about some of these courses are included below. For further information, write or call Department of Extension, University of British Columbia, 228-2181.

COMMUNICATIONS

Film Production Course

An introductory course to acquaint students with the theory and practice of film production with emphasis on 8 mm non-theatrical film. Date and place to be announced.

Fee: $70.

Enrollment is limited to 15 persons.

Further information is available from:

Audio-Visual Services,
Department of Extension,
University of British Columbia.
Phone: 228-2522.

INTENSIVE COURSES IN SPOKEN FRENCH

For registration 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.

It is hoped that bursaries will be available for students wishing to take these courses.

Voix et Images de France—Premier Degré

This course utilizes the latest audio-visual methods for rapidly acquiring fluency in a foreign language. Part I, the first sixteen lessons of the Premier Degré Voix et Images de France, enables the student with no previous knowledge or whose previous studies in French have been grammatical rather than oral to acquire a sound basis for understanding and speaking French. Part I offers a limited proficiency. Entry into Part II, lessons 17-32, will be restricted to those who have successfully completed Part I or its equivalent. *Classes will be limited to 22 students and instruction will be five days a week. Classes will be organized only if seventeen or more wish to enrol.*

Section I—Part I, Lessons 1 - 16

Prerequisite: At least one year High School French.
July 2 - July 22.
9 a.m. - 1 p.m. (four hours per day).
Instructor: Miss Olga Kempo.
Fee: $70.00, includes records and books.
Bursaries *may* be available.

Section II—Part II, Lessons 17 - 32

Prerequisite: Part I or its equivalent.
July 23 - August 12.
9 a.m. - 1 p.m. (four hours per day).
Instructor: Miss Olga Kempo.
Fee: $70.00, includes records and books.
Bursaries *may* be available.

Voix et Images de France—Deuxième Degré (Advanced)

The Deuxième Degré offers the student an opportunity to increase his conversational ability. Pictures and records used in the Premier Degré are withdrawn. At this level the student relies on his auditory ability to acquire mastery of taped dialogues which are the basis for conversation. Dialogues emphasize more idiomatic forms and a vocabulary pertaining to discussion, opinion and judgment.

Class will be limited to 17 students and instruction will be five days per week for the month of July.

Section III—Advanced

Prerequisite: Premier Degré, University French or its equivalent.
July 2 - July 31.
10:30 a.m. - 12:30 p.m. (two hours per day).
Instructor: Mrs. Catherine Rosetti.
Fee: $60.00.
Bursaries *may* be available.

EDUCATION

Recent Trends in Home Economics

A one-week seminar for teachers of home economics, supervisors, and consultants.

Friday, July 5 to Friday, July 12, 1968—a residential seminar to be held at Totem Park, U.B.C. Campus. For further information, contact:

Education-Extension Programmes,
Department of Extension,
University of British Columbia.
Phone 228-2181.

The Teacher and the City—Understanding the Urban Environment

A seminar on this subject was held in March, 1968. If indications are received that teachers who were unable to attend this seminar would like to have a similar short course offered during Summer School, the necessary arrangements will be made. Anyone interested should contact the Supervisor, Education Extention Programmes, Extension Department (Telephone 228-2181) before June 1, 1968.

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 a combination of summer session and extra-sessional courses or 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, Department of Extension, The University of British Columbia, Vancouver 8.

HUMANITIES AND CREATIVE ARTS

New Approaches to Learning in the Affective Domain

A workshop in creativity and awareness, feeling, sensing, and intuition.

Offered for the first time will be a residential workshop on "New Approaches to Learning in the Affective Domain." The workshop is an expansion of a short weekend programme held in 1967 on "Explorations in the Human Potential: A Workshop in Creativity and Awareness." Dr. George I. Brown, Associate Professor of Education at the University of California, Santa Barbara, California, and a consultant with the Esalen Institute, Big Sur, California, will conduct the course, assisted by Mrs. Judith Brown.

Location: Totem Park Residence, U.B.C.

Date: August 20 - 25, 1968.

Enrolment is limited to 32 people.

For further information, contact:

Humanities and Creative Arts Programmes,
Department of Extension,
University of British Columbia.
Phone: 228-2181.

Creative Writing

There will be an evening workshop in creative writing during the summer, conducted by Mr. J. Michael Yates, Poet in Residence and Assistant Professor, Creative Writing Department, U.B.C.

As well, a variety of day-time and evening courses will be offered in drawing, painting, sculpture, the new intermedia art and the theatre.

For more information, contact:

Humanities and Creative Arts Programmes,
Department of Extension,
University of British Columbia.
Phone: 228-2181.

PUBLIC AFFAIRS

A three-day seminar on Public Affairs will be presented during the Summer Session. In addition a series of evening public lectures featuring visiting faculty members will also be offered to the public.

A brochure with full details will be available approximately May 15th. Copies of this brochure may be obtained by writing to the Summer School on Public Affairs, Department of Extension, University of British Columbia, Vancouver 8, B.C. (Telephone: 228-2181).

Britain To-day

July 2 - 5, 1968

Just two short generations ago, in the last years of the Edwardian era, Britain ranked as the great world power. Even at that time however, the more discerning eye could detect many storm signals ahead on both the domestic and world scenes.

The ensuing years have not been kind to Britain. Two World Wars with an intervening period of depression left a nation which was only a shadow of its former greatness. In the past decade Britain's problems have appeared to increase rather than diminish. In an attempt to alleviate her precarious economic position, she has opted for military withdrawal "East of Suez" and for entry to the European Economic Community and on both counts she has met opposition from her "allies". In late 1967, she was finally forced to devalue the pound sterling.

What role or roles are still open to Britain? Can her people and her government find the inner resources for the tasks ahead? This seminar will attempt to examine these and other questions as they apply to contemporary Britain.

SOCIAL SCIENCE

Archaeology of B.C.

A series of lectures and discussions on the methods of Archaeology in recreating civilizations of the past through the analysis of visual evidence. Lectures will be followed by a one-day field trip to an archaeological site in British Columbia. Dates and times to be announced.

Other social science programmes being planned include series of lecture-discussions on Indians of B.C., Psychology of Adolescence, Introductory Sociology, Indian Arts of the North West Coast. For further information contact:

Social Science Programme,
Department of Extension,
University of British Columbia.
Phone 228-2181.

AGRICULTURE

5th Western Canadian Roadside Development Conference

June 12 - 14, 1968 at Totem Park, U.B.C.

Details about this conference are available by writing or phoning:

Agriculture Programmes,
Department of Extension,
University of British Columbia.
Phone 228-2181.

OFFICE OF SHORT COURSES AND CONFERENCES

This Office presently serves faculty and community in several ways. The routine business includes all of the physical aspects of Conferences or Short Courses held on campus. Such items as meeting rooms, meals, sleeping accommodation, signs, etc. are coordinated here.

Accommodation is available for groups in Totem Park Student Residences. Daily room and board rates: $8 (sharing double room); $9 (single room). Reservations have to be made through the Office of Short Courses and Conferences.

For further information, contact:

Office of Short Courses and Conferences,
Department of Extension,
University of British Columbia.
Phone 228-2181.

NEW JAPAN: AN EDUCATIONAL-TRAVEL PROGRAMME—MAY, 1968

Across the Pacific, little more than eight hours by jet plane, is New Japan, with its nearly 100,000,000 people, its burgeoning modern industry and its rapidly expanding foreign trade and investment. Steeped in ancient tradition and with a rich cultural heritage, Japan has for years been a tourist mecca. Today, Japanese trade is increasing and more and more Japanese capital is being invested in British Columbia, Alberta and other parts of Canada. In this confluence of cultures, there is growing interest in Japan's history, its traditions, language and, more importantly, its present social life and institutions.

The Extension Department of the University of British Columbia is offering this educational-travel programme for all-round appreciation of the New Japan: a programme that will provide basic educational background, along with an educational tour into the life of Japan itself.

Leaving Vancouver May 3rd, and returning May 31st, the tour will include lectures, briefing sessions and seminars in Japan. Visits to educational, cultural, industrial and governmental institutions will be combined with trips to temples, gardens, theatres and restaurants.

The tour will begin in Tokyo; proceed via the Grand Shrine of Ise, to Kyoto and Nara. There will be a side-trip, with a night spent in a temple, at the famous Buddhist centre of Mt. Koya. A few days will be spent in the Osaka-Kobe industrial heart of Japan. The group will proceed to the storied port and castle town of Himeji; to the famous folk arts centre of Kurashiki; and to Hiroshima and the great shrine at Miyajima. Returning, the route will be via rural Japan, along the Japan Sea Coast with its picturesque fishing villages, through the ancient district of Shinshu and back to Tokyo. Accommodation will be principally in Japanese Inns.

Total cost of the whole programme is $1,500.00. The tour will fly CPA from Vancouver to Tokyo. The airline ticket is open ended and may be extended for those wishing to travel further before returning home. The fee includes all lectures and lecture materials, travel costs, hotels and meals.

A detailed brochure is available upon request, call 228-2181 or write Educational-Travel Programme, Department of Extension, University of British Columbia, Vancouver 8.

TEACHER-IN-SERVICE SHORT COURSES

The British Columbia Teachers' Federation will sponsor non-credit short courses for the twelfth year. These will be practical courses of the workshop type. Registrations will be limited to ensure the full participation of course members.

Lectures, demonstrations and group discussions will be used. Topics, times, dates, and locations will be announced in a B.C.T.F. Newsletter at another date. Additional information is also available from:

B.C. Teachers' Federation,
1815 West Seventh Avenue,
Vancouver 9, B.C.

YOUTH SPORTS PROGRAMME

Summer, 1968

The University of British Columbia
School of Physical Education and Recreation
Faculty of Education

During July and August the following programmes will be offered at the University of British Columbia.

a) **Four 2-week sessions**
Boys' Sports Camp (Ages 8-16) Mornings 9:00 - 12:30.
Girls' Sports Camp (Ages 7-16) Mornings 9:00 - 12:30.

(Many activities are covered in these camps, and the emphasis is on basic techniques).
Ice Hockey School (Ages 8-16). Times to be decided.

b) **One week Resident Schools.**

Girls' Field Hockey Resident School.	Probable dates
Boys' Ice Hockey Resident School.	Aug. 24th - 31st, 1968.

The emphasis in these schools is on more specialised instruction in the one sport. Other activities are offered. Residence is at St. Mark's College, The University of British Columbia.

For further information on the above, please contact Dr. Robert G. Hindmarch, Camp Director, War Memorial Gymnasium, University of B.C., Vancouver 8.

CONTINUING EDUCATION IN NURSING

During May and June of 1968, the School of Nursing of the University of British Columbia wishes to sponsor two three-week 3 unit courses on learning and instruction for selected nurses with University level education. The purpose of the course is to assist the candidates to prepare themselves to function as part-time instructors in continuing education for practising nurses in the province of British Columbia. Therefore, preference will be given to British Columbia residents. Non-credit fee is $50.00.

The possibilities of this course being a credit course are being explored.

Residential accommodation for adults and children is available on campus. Day care for young children may be possible if the need for it arises. The Department of Continuing Medical Education, Faculty of Medicine, University of British Columbia will act as co-sponsor. For further information write to:

Mrs. M. Neylan,
Assistant Professor, Continuing Education,
School of Nursing,
University of British Columbia,
Vancouver 8, B.C.

Application for Registration

Geography 495 — The Geography of Latin America
A 3-unit Credit Course To Be Held in Mexico
July 1 - 30, 1968

Mr./Mrs./Miss .....
Please Print

Address .....

.....

Occupation .....

Birthdate.....
Day/Month/Year

Daytime Telephone.....

Evening Telephone.....

Please check one:

☐ I have previously enrolled in credit courses at The University of British Columbia.

☐ I have *not* previously enrolled in credit courses at The University of British Columbia.

This Application for Registration form *must* be accompanied by a $50 deposit cheque. Please make cheque payable to The University of British Columbia. *Mail form and deposit to:* Department of University Extension, University of British Columbia, Vancouver 8, B.C.