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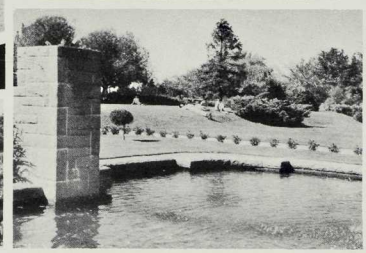
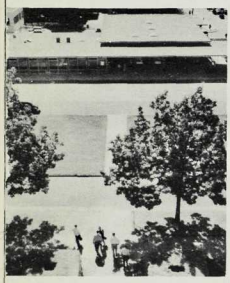
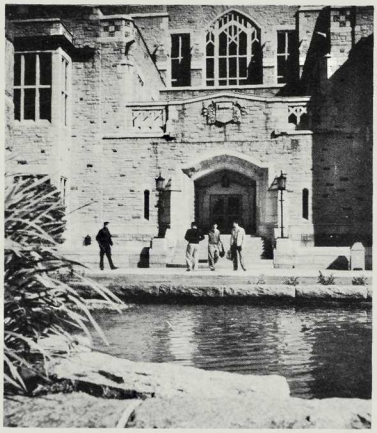
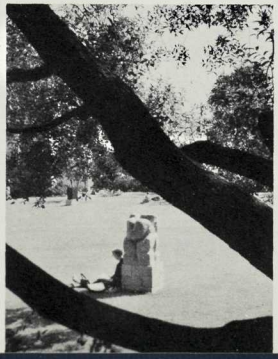
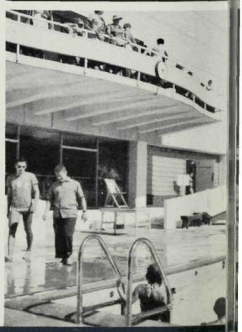
THE UNIVERSITY OF BRITISH COLUMBIA
SUMMER SESSION

1957



PUBLICATIONS OF THE UNIVERSITY OF BRITISH COLUMBIA

Announcement of The Summer Session

SUPPLEMENT TO CALENDAR 1956-1957

***Thirty-eighth Session:* JULY 2nd TO AUGUST 16th, 1957**

The University of British Columbia

VANCOUVER 8, CANADA Vol. 42, GENERAL SERIES No. 3

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SUMMER SESSION, 1957

DATES

JULY		
2nd	Tuesday	*Last day for registration of all students. Lectures begin at 8:00 a.m.
3rd	Wednesday	Summer Session Supplemental Examinations.
4th	Thursday	General meeting, Summer Session Association. Auditorium, 11.30 a.m. Lectures and laboratories cancelled, 11:25 a.m.
8th	Monday	Last day for changes in students' courses. *All changes must be reported to the Registrar's Office by this date.* Last day for payment of fees.
AUGUST		
8th	Thursday	General meeting, Summer Session Association. Arts 100, 11:30 a.m. Lectures and laboratories cancelled, 11:25 a.m.
14th	Wednesday	Last day of lectures.
15th	Thursday	Final Examinations.
16th	Friday	Final Examinations.

*The last day for registration is July 2nd—the first day of lectures. A fee of $2.00 will be charged all students registering after this date.

The schedule of student activities sponsored by the Summer Session Association is given on page 14.

TIME TABLE OF LECTURES, CREDIT COURSES

Monday to Friday Inclusive

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

Course	*Room*
Anthropology 200	P 302
Anthropology 303	P 304
Chemistry 101	C 200
(lab. periods to be arranged)	
Chemistry 205	C 300
(lab. periods to be arranged)	
Commerce 90	HG 7
Commerce 151	HG 10
Commerce 252	HG 9
Commerce 371	Rm. 9, HG 1
Economics 200	A 104
Education 102	ED 2
Education 365	ED 7
Education 400	E 202
Education 404	
English (8:15-9:10)	ED 18
Social Studies (9:15-10:10)	ED 18
Education 405	W 100
Education 407	ED 3
Education 461	E 201
Education 516	ED 4
Education 517	ED 16
Education 536 (8:15-9:10)	ED 5
Education 537 (9:15-10:10)	ED 5
Education 540	ED 6
Education 565 (French)	ED 8
Education 581 (8:15-9:10)	HM 2
Education 582 (9:15-10:10)	HM 2
English 100/1	A 101, 105, 203, 207
English 200	A 106, 206, 208; HA 4, 5, 6
English 400	E 200
English 428	A 108
Fine Arts 101	P 202

Course	*Room*
Fine Arts 302	ED 14
Geography 101	FG 100
(lab. periods to be arranged)	
Geography 409	FG 202
German 200	A 102
History 102	A 100
History 314	A 204
Home Economics 105	H. Ec. 100
(lab. periods to be arranged)	
Latin 110/120/210/220/407	A 103
Mathematics 101 (Section 1)	E 304
Mathematics 205	E 308
(lab. periods to be arranged)	
Music 201	ED 1
Philosophy 100	E 310
Physical Education 209	MG
8:15-9:10	
July 24-Aug. 14	
Physical Education 210	MG
8:15-9:10	
July 3-23	
Physical Education 218	MG
9:15-10:10	
July 24-Aug. 14	
Physical Education 230	MG
9:15-10:10	
July 3-23	
Physics 101	P 201
(lab. periods to be arranged)	
Physics 200	P 303
(lab. periods to be arranged)	
Slavonic Studies 306	A 201
Zoology 306	B 209

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

Course	*Room*
Biology 332	B 209
Chemistry 300	C 200
(lab. periods to be arranged)	
Classical Studies 331	A 103
Commerce 101	HG 10
Commerce 376	HG 11
Education 301	ED 18
Education 307	ED 17
Education 332	ED 5
Education 336	ED 6
Education 365	ED 7
(continued to 11:20)	
Education 390	P 304

Course	*Room*
Education 404	
Home Economics	H. Ec. 106
Mathematics (10:25-11:20)	A 108
Education 406	E 201
Education 412	ED 2
Education 508	ED 4
Education 519	ED 16
Education 565	
Chemistry	C 300
French (cont'd to 11:20)	ED 8
Home Economics	H. Ec. 105
Social Studies	ED 19

10:25 a.m. - 12:20 p.m.—Continued

Course	*Room*
English 202	HA 4
English 408	HA 5
English 409	HA 6
English 421 (See footnote)	
English 432	A 204
Fine Arts 200	P 202
Geography 201	FG 100
German 90	A 208
History 101	A 206
History 203	A 106
History 415	B 100
Home Economics 106	H. Ec. 100
(lab. periods to be arranged)	
Mathematics 202	A 203
Mathematics 308	A 207
Music 303	ED 1
Music 403	ED 3
Philosophy 340	A 201
Physical Education 101	WG
11:25-12:20	
July 3-Aug. 14	
Physical Education 460	MG
11:25-12:20	
July 3-Aug. 14	
Physics 303	P 303
Psychology 100	HM 2
Psychology 202	E 202
Psychology 301	E 200
Spanish 90	A 104

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

Course	*Room*
Bacteriology 100	W 100
(lab. periods to be arranged)	
Biology 105	B 100
(lab. periods to be arranged)	
Biology 333	B 209
Commerce 201	HG 3 B
Economics 100	A 103
Economics 325	A 106
Education 302	ED 2
Education 305	ED 14
Education 330	ED 5
Education 404 (Drama)	HM 8
Education 409	H. Ec. 107
Education 490	P 304
Education 523	ED 6
Education 557	ED 4
Education 558	ED 8
Education 570	ED 16
Education 578	ED 18
English 201	E 201
English 407	HA 4
English 427	HA 5
French 110/120	A 204
French 210/220	A 206
French 301	ED 7
Geography 303	FG 100
German 400	A 201
History 311	E 202
Mathematics 101 (Section 2)	HA 6
Mathematics 303	E 200
Music 300	Brock North
Physical Education 240	WG
3:15-4:15	
July 3-23	
Physical Education 243	WG
3:15-4:15	
July 24-Aug. 14	
Physical Education 262	MG
1:30-2:30	
July 3-Aug. 14	
Physical Education 363	MG
2:30-3:30	
July 3-Aug. 14	
Political Science 400	A 104
Psychology 305	HM 2
Psychology 405	E 304
Russian 100	A 203
Sociology 200	E 308
Zoology 105	B 287
(lab. periods to be arranged)	

Notes: (i) Educational 404 (Vocational Agriculture)—Opening meeting, 8:15 a.m. Tuesday, July 2, Agricultural Engineering Building.

(ii) English 421—Opening meeting 10:10 a.m., Tuesday, July 2nd, **Auditorium.**

ABBREVIATIONS

A—Arts Building
B—Biological Sciences Building
C—Chemistry Building
E—Engineering Building
ED—Education Building
FG—Forestry and Geology Building
HA—Hut on West Mall behind Auditorium
HG—Commerce Hut on East Mall
HM—Hut on West Mall
MG—Memorial Gym
P—Physics Building
W—Wesbrook Building
WG—Women's Gym (Old Gym)
HEc—Home Economics Building

Copies of a map of the campus are available on request at the Registrar's Office.

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Zoology

IAN McTAGGART-COWAN, B.A., Ph.D., F.R.S.C., Professor and Head of the Department.
M. D. F. UDVARDY, Ph.D., Assistant Professor.

Admission, Registration and Attendance

CREDIT COURSES

For requirements for admission to the University, information in regard to registration and 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.

1. Application:

   (a) Students registering in the University for the first time: Obtain from Registrar's Office an *Application for Admission* form. Return this, duly completed, together with ALL University Entrance Certificates and any higher certificates possessed.

   (b) Students who have previously registered in the University: Apply either by letter or by the *Application for Re-Registration* form which was enclosed with previous statements of marks, stating Session last attended.

2. Registration booklets will be sent to those eligible. Booklets should be completed and returned to the Registrar's Office.

   Students are encouraged to complete registration in full by forwarding with the registration booklet a cheque, post-dated to July 2nd if so desired, to cover fees.

   Last day for registration by mail—June 24th.

   Students are strongly urged to register in advance as it is essential that they attend lectures on the opening day.

3. Students who have not registered by mail before June 24th will register on July 2nd in the University Armoury. Registration in the Armoury on July 2nd will be from 8:00 a.m. to 4:00 p.m.

The maximum credit for Summer Session work in any one calendar year is 6 units.

The University offices will be closed all day each Saturday during June, July and August.

FEES

All cheques must be made payable to "The University of British Columbia". Cheques drawn on banks outside Greater Vancouver should include exchange.

All fees are due and payable on the opening day of lectures. Last day for payments of fees Monday, July 8th.

A fee of $2.00 for "Late Registration" will be charged all students registering after July 2nd.

Scale of Fees

Course Fees, Per Unit $15.00

Summer Session Association Fee 2.00

For example:

(i) a 3 unit course ..... Total fee $47.00
(ii) a 4½ unit course ..... Total fee $69.50
(iii) a 6 unit course ..... Total fee $92.00

NOTE—No refund will be made for fees after July 12th. In the computation of refunds prior to this date an amount equal to one-fifth of the course fees will be charged. Application for a refund must be made to the Accountant within seven days after the student has discontinued his work.

Special Fees

For Auditors, per unit 7.50

NOTES—

(i) The special fee for Auditors applies only to those courses not sponsored by the Department of Extension.

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

Supplemental Examination, per paper $5.00

Applications for supplemental examinations, accompanied by the necessary fees, MUST be in the hands of the Registrar at least two weeks before the date set for the examination.

Non-Credit Courses

Registration Procedure.

Write to the Registrar giving the course or courses desired. Students are urged to complete registration in full by enclosing a cheque, post-dated to July 2nd if so desired, to cover fees.

Students registering for the Summer School of the Theatre are advised to delay payment of fees until July 2nd on which day final decisions as to section assignments will be made.

For fee assessments see under course descriptions.

Students who have not registered by mail before June 24th will register on July 2nd in the University Armoury; those who register after July 2nd will do so in the Registrar's Office, Administration Building.

Scholarships, Bursaries, Loan Funds

(Open only to students taking regular academic courses)

University Summer Session Bursaries

Twenty bursaries of $50 each are available in the Summer Session, 1957, 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 Administrative and Inter-Faculty Affairs, must be received by the University not later than May 31st.

The Sir Charles Tupper Chapter, I.O.D.E., Bursary

A bursary of $85, the gift of the Sir Charles Tupper Chapter, I.O.D.E., will be awarded annually to a teacher who has taught for two years in the Public Schools of British Columbia and is proceeding with Second Year work in the Summer Session. The award will be made to a student who intends to return to teaching in the fall. Applicants will be considered on the basis of financial need, and success and interest in teaching. Applications, on forms available from the Dean of Administrative and Inter-Faculty Affairs, must be received by the University not later than May 31st. A copy of the last inspector's report must accompany the application.

The Summer Session Association Scholarship

A scholarship of $75, given by the Summer Session Association, will be awarded at the close of the Summer Session to the Summer Session student who in that session completes the Second Year with the highest standing. To be eligible a student must have taken his entire Second Year in the University of British Columbia Summer Session, extra-sessional classes, or correspondence courses and must be proceeding to a higher year in the University of British Columbia. In order that all candidates may be considered, students in the categories covered by this award are asked to submit their names to the Dean of Administrative and Inter-Faculty Affairs before the last day of Summer School.

The Summer Session Association Scholarship Fund

A scholarship of $75 is available annually for study at the University of British Columbia. This scholarship is open to any Summer Session student who has completed the first two years' work, the second of which has been taken wholly by Summer Sessions, extra-sessional classes, or correspondence courses, and who is proceeding to a higher year in the University of British Columbia by means of Summer Session. This award will be made to the student who completes in that session the Second Year of his University work with the second highest standing. Only those students who have taken a full course of six units in each Summer Session will be considered eligible for this scholarship. The work of the Second Year must be completed in a maximum of four summer sessions. In order that all candidates may be considered, students in the categories covered by this award are asked to submit their names to the Dean of Administrative and Inter-Faculty Affairs before the last day of Summer School.

The Summer Session Association Loan Fund

The Summer Session Association of 1947 established a loan fund as a trust to be used for loans to teachers ("teachers" as defined by the Public Schools Act of British Columbia) who have attained satisfactory academic standing. Loans from this fund are to be repaid by June 30th following receipt of the loan, and until this date no interest will be charged. Loans, which may be repaid at any time during the period by assigned instalments, will be granted on the basis of scholarship and financial need, assistance to any one student being limited according to the funds available. Loans will be made on the recommendation of the Joint Faculty Committee and representatives of the Summer Session Association.

The Dr. H. T. J. Coleman Scholarship

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

Gilbert Tucker Memorial Summer Session Prize

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

Scholarships for Summer School of the Arts

For information about scholarships and student assistantships in Theatre, Music and Opera, and Arts and Crafts, see the appropriate sections.

SUMMER SESSION ASSOCIATION

1957 Executive Committee

President - - - - - - - - Al Dew
1st Vice-President - Joyce Mackenzie
2nd Vice-President - - Bruce Prentiss
Secretary - - - - Frank McPhalen
Treasurer - - - - - Allan Baker
Past President - - - - Alec Burns
Social Convenor - - Mary McGoran
Athletic Convenor - - Brian Creer
Noon Hour Convenor - Elaine Weir
Resolutions Convenor - - Bob Muir
Executive Members: Bill Baldry, Art Winstanley, Evan Oakley, Jim Corbett, Shirley Naud, Anne Poje.

The Summer Session Association of the University of British Columbia is composed of all persons in attendance at the Summer Session. All students are required to pay a fee of $2.00 at the time of registration.

This organization provides social and intellectual activities for both students and staff of the Summer Session. It deals with matters pertaining to student welfare on the campus; it provides certain Summer Session scholarships and has made available funds for 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 office of the Association is located in the Brock Memorial Building. Telephone: ALma 1230. Office hours: afternoons.

Athletic Activities

Golf Instruction
Tennis Instruction
Badminton Instruction
Diving Instruction
Swimming
Table Tennis
Volley Ball

Registration for Activities: Tue., Wed., Thur., July 2nd, 3rd, and 4th, in Quad.
Athletic Organizational Meeting in Arts 100, Fri., July 5th, 12:30 p.m.

The Empire Games Pool will be available to students at a special session rate.

SUMMER SCHOOL SPECIAL EVENTS CALENDAR

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July 1 Dominion Day holiday University closed.	**July 2** Lectures begin	**July 3**	**July 4** **11:30 a.m.** S.S.A. General Meeting, Auditorium	**July 5** **12:30 p.m.** S.S.A. Athletic Org'l Meeting, A100 **9:00 p.m.** S.S.A. Mixer, Brock	**July 6**
July 8 **8:00 p.m.** Monday Lecture Series. Physics 200	**July 9** **12:30 p.m.** Beethoven Piano Series Physics 200 **8:00 p.m.** Fine Arts Lecture Series Physics 200	**July 10** **12:30 p.m.** S.S.A. Concert Aud. **7:30 p.m.** S.S.A. Square Dance Women's Gym	**July 11** **12:30 p.m.** S.S.A. Lecture Auditorium **6:15 p.m.** Chamber Orchestra Concert Brock	**July 12** **9:00 p.m.** S.S.A. Mixer, Brock	**July 13**
July 15 **8:00 p.m.** Monday Lecture Series Physics 200	**July 16** **12:30 p.m.** Beethoven Piano Series Physics 200 **8:00 p.m.** Fine Arts Lecture Series Physics 200	**July 17** **12:30 p.m.** S.S.A. Concert Aud. **7:30 p.m.** S.S.A. Square Dance Women's Gym **8:30 p.m.** Lieder Recital Aksel Schiotz	**July 18** **12:30 p.m.** S.S.A. Lecture A 100	**July 19** **9:00 p.m.** S.S.A. Mixer, Brock	**July 20**

July 22 **8:00 p.m.** Monday Lecture Series Physics 200	**July 23** **12:30 p.m.** Beethoven Piano Series Physics 200 **8:00 p.m.** Fine Arts Lecture Series Physics 200	**July 24** **12:30 p.m.** S.S.A. Concert Aud. **7:30 p.m.** Chamber Orchestra Concert, Brock **7:30 p.m.** S.S.A. Square Dance, Women's Gym	**July 25** **12:30 p.m.** S.S.A. Lecture A 100	**July 26** **9:00 p.m.** S.S.A. Mixer, Brock	**July 27**
July 29 **8:00 p.m.** Monday Lecture Series Physics 200	**July 30** **12:30 p.m.** Beethoven Piano Series Physics 200 **8:00 p.m.** Fine Arts Lecture Series Physics 200	**July 31** **12:30 p.m.** S.S.A. Concert Aud. **7:30 p.m.** S.S.A. Square Dance Women's Gym	**August 1** **12:30 p.m.** S.S.A. Lecture A 100	**August 2** **2:30 p.m.** Children's Play Auditorium **8:00 p.m.** Lecture by Jacques Barzun, Aud. **9:00 p.m.** S.S.A. Mixer, Brock	**August 3** **2:30 p.m.** Children's Play Auditorium
August 5 **8:00 p.m.** Monday Lecture Series Physics 200	**August 6** **8:00 p.m.** Fine Arts Lecture Series Physics 200 **8:30 p.m.** Drama Production Frederic Wood Theatre	**August 7** **12:30 p.m.** S.S.A. Concert Auditorium **7:30 p.m.** S.S.A. Square Dance Women's Gym **8:30 p.m.** Drama Production Frederic Wood Theatre	**August 8** **11:30 a.m.** S.S.A. General Meeting A 100 **3:45 p.m.** Choral Concert Armouries **8:30 p.m.** Drama Production Frederic Wood Theatre	**August 9** **8:30 p.m.** Drama Production Frederic Wood Theatre **9:00 p.m.** S.S.A. Mixer, Brock	**August 10** **8:30 p.m.** Drama Production Frederic Wood Theatre **8:30 p.m.** Open House Exhibition of Art Students' Work, Youth Training Camp
August 12 **8:30 p.m.** Student Lieder Recital, Brock	**August 13** **8:30 p.m.** Douglas Seale's Production of *The* *Tempest*, Aud.	**August 14** **8:30 p.m.** Choral Concert Armouries **8:30 p.m.** Douglas Seale's Production of *The* *Tempest*, Aud.	**August 15** **8:30 p.m.** Douglas Seale's Production of *The* *Temptest*, Aud.	**August 16** **8:30 p.m.** Douglas Seale's Production of *The* *Tempest*, Aud.	**August 17** **8:30 p.m.** Douglas Seale's Production of *The* *Tempest*, Aud.

N.B. Monday, August 20, Opera Excerpt Production, 8:30 p.m. Auditorium.
August 27 to 30, Opera Production of Menotti's *The Medium* and Puccini's *Gianni Schicchi*, 8:30 p.m. Auditorium.

REDUCED RAILWAY FARES FOR STUDENTS AND INSTRUCTORS ATTENDING SUMMER SESSION

Railway companies offer a reduction in fare from stations in Canada for Summer Session students, instructors, and their families. Students should purchase a regular one-way first-class or coach class ticket and *secure at that time* a Standard Convention Certificate. This ticket must be purchased in Western Canada (Armstrong, Port Arthur and west) during the period June 28th to July 4th, inclusive; in Eastern Canada (east of Armstrong, Port Arthur, Ont.) during the period June 26th to July 2nd, inclusive. If presented to the Ticket Agent not later than August 20th, the certificate, when signed by the Registrar, entitles the holder to purchase a return ticket at one-half of the one-way fare. Tickets for the return journey permit stop-overs and are limited to thirty days from official closing date.

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 text-books 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 nine to five o'clock.

UNIVERSITY HEALTH SERVICE

Wesbrook Building

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

Hospitalization when required is covered by the B.C.H.I.S. Those not eligible for this coverage are charged a fixed rate each day for hospital services.

Students must report any disabilities or illnesses, including those of a communicable nature, which may occur during the Session.

Preventive vaccinations and inoculations are given by the Health Service. The Medical Officer will be available by appointment for consultations with students on health problems.

HOUSING ACCOMMODATION

Housing accommodation at reasonable rates will be available for Summer Session students who wish board and lodging, in ACADIA camp, FORT camp, or in one of the New Residences for Women Students.

Summer Session Rates

(a) Regular Summer Session Course (July 2nd to August 16th inclusive)

1. Men's dormitories at Fort Camp
   Men's and Women's Dormitories at Acadia Camp
   Board and residence ..... (single) $97.00
   Board and residence ..... (double) 92.00
   —apply to Housing Administrator.
   Dining Room at Acadia Camp open all week.
2. Women's Residences & Annex
   Board and residence 102.00
   —apply to Dean of Women.

   The above flat rates cover room from Sunday night, June 30th, to August 16th inclusive, and meals from breakfast, Monday, July 1st, to dinner at night, August 17th inclusive.

Note: Meal passes will be available at Camp Office on Sunday, June 30th, for all students whose board and residence fee has reached the Accounting Office by Tuesday, June 25th.

(b) Extension Department Short Courses

Men and Women

The rate for Summer Session Short Courses is $63.00 for a single room per month, for board and residence, and $60.00 for a double room, per month. A dormitory deposit of $10.00 will be charged and returned if the room is left in good condition.

—apply to Housing Administrator.

All Rates are Payable in Advance

Dormitory deposit of $10.00 is required of all residents and must accompany the application. This $10.00 will be forfeited if a student withdraws his application after June 30th.

Further information and application forms may be obtained from the Office of the Housing Administrator.

Married Accommodation

Special arrangements will be made for married couples with or without children who plan to attend the Summer Session. For further information write to the Housing Administrator.

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. certificate by completing either the regular requirements for First Year Arts and Science (Senior Matriculation), or the requirements for the Second Year in a Bachelor of Education programme. The following courses may be credited toward the B.Ed. degree, Elementary programme: English 201, Fine Arts 101, History 102,

To fulfill course requirements for the Permanent E.B. certificate teachers must complete any two courses carrying six units of credit toward the Third Year in a B.Ed. programme (either Elementary or Secondary).

A teacher with the E.B. certificate may complete Third Year in a B.Ed. programme in order to qualify for the E.A. certificate, and Fourth Year in order to qualify for the P.C. certificate. Elementary teachers may qualify for the P.B. certificate by completing a fifth year of study approved by the Faculty of Education.

In the Elementary Programme the B.Ed. degree is awarded on completion of the Fourth Year.

Teachers completing the Secondary Programme are awarded certificates as follows: Third Year complete, E.A. certificate; Fourth Year complete, P.C. certificate; Fifth Year complete, P.B. certificate. When the requirements of the Five-Year Programme are fulfilled the B.Ed. degree is granted.

Specialist Certificates.

Courses listed below carry credit toward specialist certificates and also, if included in an approved degree programme, toward the B.Ed.

1. Art: E.A.; S.C.; S.B.;—F.A. 101 or 200; F.A. 300; Ed. 305.
2. Commercial: S.C.; S.B.—Com. 90 (A,B,C), Com. 101 (A,B), Com. 201 (A,B), Com. 151, Com. 376.
3. Counsellor: S.A.—Ed. 332, 461, 536, 537, 570, 578, Psych. 301, 305, 405; any graduate or senior course in Education applicable to the Secondary field; any graduate course in the subject matter field of the teacher.
4. Handicapped Children: E.A.—Ed. 407, one of Ed. 305, 307, 405, 406, 540.

5. Home Economics: E.A.—H.Ec. 105, 106.
   S.C.; S.B.—Ed. 102, 302, 400, 404, 409, 519, 520, 570.
   S.A.—Ed. 565; any Education course of 500 level, such as Ed. 517.
   Courses open to B.H.E. graduates who are taking their basic teacher-training by Summer Sessions—Ed. 102, 302, 404, 409.
6. Industrial Arts: S.C.; S.B.—See page 29.
7. Intermediate Grades: E.A.—Ed. 305, 307, 365, 400, 406, 407, 461, 519, 520, 540, 557, 570, English 201.
8. Kindergarten-Primary: E.A.—Ed. 305, 307, 400, 405, 407, 519, 520, 540, 570, English 201.
9. Music: E.A.; S.C.; S.B.—Ed. 307, F.A. 101, Music 201, 300, 302.
10. Physical Education: E.A.; S.B.; S.A.—Ed. 517, P.E. 101, 209, 210, 218, 230, 240, 241, 262, 360, 363.
11. Teacher-Librarian: E.A.; S.A.—Ed. 390, 490, English 201.
12. Out-of-Province teachers seeking permanent certification: (3 units required) one of Ed. 330, Ed. 519 or course recommended because of special circumstances.

Courses of Study

ANTHROPOLOGY

200. Introduction to Anthropology.

A comparative study of cultural institutions in the primitive world; of family and other social structures; of economics, government, language, art, religion; of the origins of man and culture, the races of mankind and the nature of race.

Ten hours lectures a week—3 units.

Mr. Carpenter.

303. Cultures of the Arctic. *(Formerly Anthropology 403).*

The material, social and intellectual culture of the various branches of the Eskimo-Aleut stock inhabiting Arctic North America, with discussion of special features of Arctic environmental conditions. A comparative examination of Arctic Asian peoples.

Prerequisite: Anthropology 200 or instructor's permission.

Ten hours lectures a week—3 units.

Mr. Marsh.

BACTERIOLOGY

100. Introductory Bacteriology.

History of bacteriology; bacteria in nature; classification of bacterial forms; methods of culture and isolation; relation of bacteria to agriculture, industry, veterinary science, public health and sanitation.

Prerequisite: Chemistry 101.

This course is prerequisite to all more advanced courses in the department.

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

Mr. Bismanis.

BIOLOGY

105. Fundamentals of Biology.

The principles of biology with emphasis upon its relation to man. Characteristics of living things; life processes; plants and animals; heredity and evolution; environmental relationships.

Text-book: Ville, *Biology* (1954 ed.).

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

Mr. Dickson.

332. Introduction to Genetics.

A course of lectures serving as an introduction to the principles, methods, and applications of genetics. Time will be devoted to some consideration of heredity in man.

Text-book: Winchester, *Genetics.*

Prerequisite: Biology 100 or Botany 105 or Zoology 105.

Ten hours lectures a week—2 units.

Miss Cole.

333. Laboratory in Introductory Genetics.

Designed for students who wish laboratory work in the principles, methods and applications of genetics. Planned to supplement Biology 332 which must be taken either concurrently or previously.

Text-book: Gardner, *Genetics Laboratory Exercises,* 1956.

Prerequisite: Biology 100 or Botany 105 or Zoology 105.

Eight hours laboratory a week—1 unit.

Miss Cole.

CHEMISTRY

101. General Chemistry.

Fundamental theories, periodic table, inorganic reactions, chemical calculations.

Text books: Sorum, *Fundamentals of General Chemistry;* Malm and Franz, *College Chemistry in the Laboratory.*

Prerequisite: Mathematics 100 or 101, which may be taken concurrently.

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

Mr. Daggett.

205. Physical-Inorganic and Analytical Chemistry.

A course with less laboratory work and a greater range of lecture material than in Chemistry 200. Systematic inorganic chemistry, properties of matter from a kinetic standpoint, equilibria in solution, physical chemistry useful in related sciences.

Text-book: Welcher and Hahn, *Semimicro Qualitative Analysis.*

Prerequisites: Chemistry 101 and Mathematics 101. The latter may be taken concurrently.

Credit will not be given for both Chemistry 200 and 205.

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

Miss Elias.

300. Organic Chemistry.

Fundamental principles as illustrated by the main classes of organic compounds in the aliphatic and aromatic series.

Text-book: Noller, C. R., *Textbook of Organic Chemistry,* or for specialists, *Chemistry of Organic Compounds.*

Prerequisite: Chemistry 200 or 205.

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

Mr. Montgomery.

CLASSICAL STUDIES

331. Ancient History.

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.

Text-book: Trever, *History of Ancient Civilization,* Vols. I and II.

Ten hours lectures a week—3 units.

Mr. Bradeen.

COMMERCE

90. Typewriting Techniques, Practice, and Methods.

Basic operating skills, techniques of classroom instruction and management of typewriting classes in secondary schools.

Text-books: Lessenberry & Crawford, *20th Century Typewriting;* (6th Edition), Lessenberry & Crawford, *Manual for 6th Edition,* W. J. Gage & Co., Toronto.

Ten hours lectures a week—3 units.

Miss Mackenzie.

NOTE: For the convenience of teachers with partial credits towards Department of Education certificates, this course will be divided as follows: Commerce 90A—Methodology, 90B—Basic Skills, 90C—Applied Typewriting. These correspond to former Departmental courses numbered 623, 624, 625, respectively. Each part of the course will carry one unit of credit. Registration must indicate clearly which part(s), if not the entire course, is to be taken.

101. Shorthand Techniques, Practice, and Methods.

Theory of Pitman shorthand. Development of skill to a minimum standard of 75 words per minute. Methods of instruction for secondary schools.

Text-books: *Basic Course in Pitman Shorthand; Progressive Skill Development; Shorthand Dictation and Transcription.* Sir Isaac Pitman & Sons (Canada) Ltd., Toronto.

Ten hours lectures a week—3 units.

Mr. Goldie.

NOTE: For the convenience of teachers with partial credits towards Department of Education certificates, this course will be divided as follows: Commerce 101A—Methodolgy, 101B—Theory, dictation and transcription skills. These correspond to former Departmental courses numbered 620 and 621 respectively. The Methodology will carry one unit of credit; the remainder two units. Registration must indicate clearly which part, if not the entire course, is to be taken.

151. Fundamentals of Accounting.

An introductory course on fundamental bookkeeping procedure, preparation of financial statements and uses which may be made of accounting data in operating business enterprise.

Text-book: Finney and Miller, *Principles of Accounting—Introductory.* Practice Set: R. D. Thomas.

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

Mr. Beedle.

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

201. Secretarial Practice.

Part A (one unit). Techniques of training advanced secretarial students; placement and follow-up graduates.

Part B (two units). Advanced dictation and typewriting skills, machine transcription.

Text-books: *Pitman Advanced Dictation Course; Tabulation, Elementary and Advanced,* Sir Isaac Pitman & Sons (Canada) Ltd., Toronto.

Prerequisites: Commerce 90 and Commerce 101.

Ten hours lectures a week—3 units.

Mr. Heywood.

NOTE: For the convenience of teachers who have partial credit toward Department of Education certificates, Part A has been arranged to parallel the former Departmental course number 633. Part B had no parallel on the old plan of certification.

252. Intermediate Accounting.

Advanced theory on inventory valuation, depreciation; principles of profit determination and analysis of profits variation, elements of cost accounting and consolidations.

Text-book: Karrenbrock and Simons, *Intermediate Accounting.*

Prerequisite: Commerce 151.

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

Mr. Bain.

371. Business Finance.

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.

Case-book: Hunt and Williams, *Case Problems in Finance,* (Revised Edition).

Text-book: Guthmann and Dougall, *Corporate Financial Policy,* 3rd edition.

Prerequisites: Commerce 151.

Ten hours lectures a week—3 units.

Mr. Wong.

376. Personal and Business Finance.

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, mortgages, wills, trusts, estate planning, general insurance, real estate. Special project assignments. Field trips.

NOTE: Open to students for B.Ed. degree only.

Personal and Business Finance, given by members of the Faculty of Commerce and Business Administration staff, is a course designed especially for teachers of Mathematics, Social Studies, Health and Personal Development, and Business Fundamentals. It will provide them with a wealth of background information that is highly functional in their personal affairs; it will help them to organize this material for the enrichment of their teaching.

Text-book: Hanson and Cohen-Irwin, *Personal Finance.*

Ten hours lectures a week—3 units.

Mr. Gourlay.

ECONOMICS

100. Economic History of Europe.

The development of the European economic environment, beginning with the heritage from early empires, and covering the mediaeval, mercantilist and modern periods.

Text-book: Herbert Heaton, *Economic History of Europe,* (Revised Edition).

Ten hours lectures a week—3 units.

Mr. Helleiner.

200. Principles of Economics.

The institutions, processes and agencies which provide for our individual and collective well-being; basic determinants of real and money incomes, employment and living standards; accumulation and distribution of gross national product and national income; costs and revenues of the firm etc.

Text-book: to be announced. Selected readings may be assigned.

Prerequisite: First Year standing.

Ten hours lectures a week—3 units.

Mr. Brady.

325. Labour Economics and Industrial Relations.

Labour problems of modern industrial society. Economic impact of trade unionism and collective bargaining. History, structure and functions of trade unions and employer associations.

Text-book: To be announced.

Prerequisite: Economics 200.

Ten hours lectures a week—3 units.

Mr. Miller.

EDUCATION

102. Introduction to Teaching.

NOTE: Open only to Home Economics graduates taking teacher-training by the temporary summer programme. Such graduates taking their first Summer Session should enrol in this course.

The development and organization of the public school systems of Canada with special emphasis on the B.C. School System. The role of the teacher and the function of the school in Canada. General methods and principles of teaching common to all subjects; lesson planning and preparation; discipline; techniques of questioning; classroom organization, making reports and keeping registers; school law in B.C.

Text-book: R. A. Oliver, *Effective Teaching.*

Ten hours lectures a week—3 units.

Mr. McGechaen.

301. Educational Psychology.

Understanding of the pupil with special reference to the adolescent, the psychology of learning, the adjustment of learning situations to individual differences and the evaluation of instruction. Psychological testing.

Text-book: Cronbach, *Educational Psychology.*

Ten hours lectures a week—3 weeks.

Dame Olive Wheeler.

302. Classroom Administration and Control.

NOTE: Open only to Bachelors of Home Economics taking their basic teacher-training by Summer Sessions.

Ten hours lectures a week—3 units.

Mr. Thomas.

305. Art Education.

Art education at the elementary and secondary levels with special emphasis upon philosophy, techniques and methodology of art teaching in the secondary schools. This course will include laboratory activity aimed at personal development of Art abilities of the teacher.

Prerequisite: Education 205 or Normal School art training.

Ten hours lectures a week—3 units.

Mr. Black.

307. Music Education—Grades I through XII

Philosophy, content, organization of materials, methods of presentation of a music programme throughout the school.

Ten hours lectures a week—3 units.

Mr. Murray.

330. The British Columbia School System.

This course is limited to teachers from outside British Columbia who are seeking permanent British Columbia certification and who wish to become familiar with the organization and administration of the education curriculum and school law and regulations. This course is accepted by the Department of Education as fulfilling its requirements for permanent certification for teachers with certificates from other provinces.

Ten hours lectures a week—3 units.

Mr. Dunn.

332. Psychology of Adolescence.

This course is designed to increase the teachers' understanding of the physiological, psychological, social and educational aspects of adolescence. The approach will be mainly analytical and theoretical, but the implications

of theory for educational practice will be stressed. Review of research in adolescence and extended reading in adolescence will be required.

Text-book: K. C. Garrison, *Psychology of Adolescence,* Prentice-Hall.

Ten hours lectures a week—3 units.

Mr. Worcester.

336. Modern Theories of Pre-School Education.

This is a theory course intended for those interested in pre-school education. It will review the progress and present practices in the application of new knowledge to the development of nursery school.

NOTE: This course does not carry credit toward elementary school teacher certification.

Text-book: Gans Slendler, *Teaching Young Children,* Almy.

Ten hours lectures a week—3 units.

Miss Thompson.

365. Oral French for Teachers in Elementary and Junior High Schools.

(a) One hour devoted to oral practice — conversation, explication de textes; practical phonetics, diction; etc.

(b) One hour devoted to functional grammar, translation (themes), free composition.

(c) One hour devoted to methodology for the teaching of French in the Elementary School and the Junior High School.

Prerequisite: French 210, 220 or equivalent.

Fifteen hours lectures a week—3 units.

Miss Boyles and Miss Primeau.

NOTE:

Miss Sadie Boyles, a member of the College of Education and lecturer in the Department of Romance Studies, is organizing a voluntary oral French group or school this summer (L'Ecole Francaise) from those who are registered in Education 356, or 565, and in French 301 and who wish additional opportunities to hear and converse in French. Luncheon meetings, informal talks, production of a play and varied social activities are not a required part of the courses listed, no additional course fees are charged though activity fees will be levied as needed to defray expenses of all luncheons and social events.

Students interested should contact Miss Boyles by mail or in person as soon as possible.

390. Librarianship — Sources of Information.

A basic course in the use of books and libraries, stressing the methods of gathering information. The student will be introduced to the most commonly used reference and information sources and will be given practice in their evaluation and use. Special emphasis will be given to the resources and methods for locating educational information and to the techniques of teaching the use of school libraries.

Text-book: Louis B. Shores, *Basic Reference Books* (latest edition) Chicago (American Library Association).

Ten hours lectures a week—3 units.

Mr. Rothstein.

400. Survey of Educational Thought.

A combined course in the History and Philosophy of Education. A three-fold classification of Educational Theories or Philosophies is used to provide a framework for the course. Each school of educational thought in turn is studied both through representative educators chosen from each of the principal periods in the history of education and also through the writings of one

or more contemporary leaders of educational thought. The influence of educational theories upon actual classroom practice will also be considered.

Ten hours lectures a week—3 units.

Mr. Langley.

404. Teaching the Secondary School Subjects.

Methods of teaching two High School subjects. The student may elect two 1½ unit courses in the subject fields offered for which he has satisfactory preparation.

English—Mr Katz.

Social Studies—Mr. Katz.

Mathematics—Mr. Horne.

Drama—Miss Somerset.

Five hours lectures a week—1½ units.

Home Economics—Mrs. Boone and Mrs. Hatton.

Ten hours lectures a week—3 units.

NOTE: This course is open to Home Economics graduates taking their first summer session on the temporary summer programme of teacher training for Home Economics.

Vocational Agriculture—Methods of teaching farm mechanics for vocational agriculture instructors. Mr. Coulthard and his assistants.

A full time intensive 2 weeks course—eight hours daily—1½ units.

405. Special Problems in Teaching Primary Grades.

An advanced study of the trends and problems dealing with personality development, classroom management, the language arts, arithmetic, social studies, music and art, in the kindergarten and primary grades. Review of research.

Ten hours lectures a week—3 units.

Mrs. MacKenzie.

406. Special Problems in Teaching Intermediate Grades.

This course is designed for a more advanced study of the intermediate grade pupils and curriculum. Current research findings on capabilities of children with special emphasis on the tool subjects such as reading. Intermediate grade organization for pupil progress according to individual learning rates. Evolution of learning and appraisal of new curriculum practices. Grouping. Effective use of supplementary texts. Teaching a split class. Planning units of work.

NOTE: Students should provide themselves with the Programme of Studies for Elementary Schools—Intermediate Grades.

Ten hours lectures a week—3 units.

Mr. Smyth.

407. Special Problems in Teaching the Mentally and Physically Handicapped.

A course designed particularly for teachers who plan to specialize in the education of handicapped children. It would include the psychology and philosophy of special education, special methods, testing, remedial teaching and supervision of special classes.

Ten hours lectures a week—3 units.

Mr. Stothers.

409. Special Problems in Home Economics Education.

This course in Home Economics teacher-training will include such problems in clothing as the teaching of pattern and material selection, pattern adjust-

ment, fitting, plus the construction of a wool garment, and problems in evaluation of practical work.

Ten hours lectures a week—3 units.

Mrs. Green.

NOTE: Open to Home Economics graduates taking their second summer on the temporary summer teacher-training programme for Home Economics graduates.

412. Introduction to Adult Education.

A survey of present agencies practising adult education in this society, and of the people and parties involved. The conditions under which adult education has developed in this society and the relevant research in the social sciences will be considered.

Text-books: J. R. Kidd, *Adult Education in the Canadian University*, CAAE 1956; H. Grattan, *For Search of Knowledge*, New York Assoc. Press, 1953.

Ten hours lectures a week—3 units.

Mr. Tweedie.

461. Educational Diagnosis and Remedial Teaching.

Educational objectives appropriate to different levels of pupil abilities and interests. Definitions of achievment. Interpretation of informal and standardized test scores in educational diagnosis. Estimates of actual and optimum levels of individual achievement. Individual differences in abilities, personality and experience as factors affecting performance. Methods of encouraging the optimum achievement of individuals. Methods and practice materials for the remedial teaching of Reading, Mathematics, Spelling and English in the elementary and secondary school.

Text-book: L. T. Brueckner & G. L. Bond, *The Diagnosis and Treatment of Learning Difficulties*, New York, Appleton-Century-Crofts, 1955.

Ten hours lectures a week—3 units.

Mr. Smith.

490. The Library in the School.

The objectives, functions and administrations of libraries in elementary and secondary schools. The course is designed to offer prospective teacher-librarians basic instruction in planning and equipping the school library, in performing the various technical operations, and in making the library an educational force in the school.

Ten hours lectures a week—3 units.

Miss Beust.

503. Research in Methods of Teaching Geography.

Review of research in curriculum methods, use of materials and in evaluation techniques, in teaching Geography. Recent ideas on the function, purpose and content of Geography in school. Geography and Social Studies. Experimental research techniques applied to further studies.

Text-books: Bowman, *Geography in Relation to the Pure Sciences*, Scribner; J. Fairgrieve, *Geography in School*, University of London Press; N. V. Scarfe, *Handbook of Suggestions on Teaching of Geography*, (Unesco); *N.S.S.E. Yearbook XXXII*, Public School Publishing Co.

Ten hours lectures a week—3 units.

Mr. Scarfe.

516. Communications and the Mass Media.

Introduction to aspects of the major information facilities and the context for adult learning they create. Consideration will be given to the type of learning resulting from each of the major media, by means of various experiments.

Text-books: *Royal Commission on National Development in the Arts, Letters and Sciences, 1949-51* (Canada); *Communication and the Communication Arts Bureau of Publications,* Teachers College, Columbia University, 1956.

Ten hours lectures a week—3 units.

Mr. Thomas.

517. Health Education in Schools.

This course is designed for students at the Graduate level in Education who are interested in the philosophy, the administration and the teaching of health in schools. Time will be devoted to the several aspects of the school medical service, the healthful school environment, both physical and emotional and the methods and materials in schools from Grade I through High School.

Text-book: *Health Education,* 1948 Edition. *American Medical Association and N.E.A.* Ed. Charles Wilson. (obt. from NEA Washington, D.C.).

Ten hours lectures a week—3 units.

Miss Nix.

519. History of Canadian Education.

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

Text-book: C. E Phillips, *The Development of Education in Canada,* W. J. Gage and Co.

Ten hours lectures a week—3 units.

Mr. Woods.

523. Comparative Education.

Types and systems of schools, mostly in England, France, Germany, Russia, the United States, and Canada.

Text-book: Hans, *Comparative Education.*

Ten hours lectures a week—3 units.

Mr. King.

536 Individual Tests.

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

Text-books: Wechsler, *Measurement of Adult Intelligence;* Terman, *Mental Testing.*

This course will be limited to twenty students, preference will be given to teachers working toward the S.A. Counselling certificate.

Five hours lectures a week—1½ units.

Mr. Ellis.

537. Standardized Group Tests.

Group tests of achievement, intelligence, personality, interests, aptitudes, and attitudes.

Five hours lectures a week—1½ units.

Mr. Ellis.

540. Audio-Visual Education.

Effective selection, utilization and production of materials for the development of understanding in the classroom. This course will involve some laboratory work and the study of administrative problems in this area.

Text-book: Edgar Dale, *Audio Visual Methods,* Revised, Dryden.

Ten hours lectures a week—3 units.

Mr. Whitinger.

557. Administration and Supervision of the Elementary School.

Organization of the elementary school, work of the principal, participation of staff, techniques for improvement of instruction, supervisory responsibilities of inspectors, supervisors and principals. Public relations.

Text-book: Geo. C. Kyte, *The Principal at Work,* (Revised Ed.), Boston, Ginn, 1952.

Ten hours lectures a week—3 units.

Mr. Thomson.

558. Administration and Supervision of the Secondary School.

The work of the principal, supervisors and inspectors in the improvement of instruction and administration. Harmonious human relations within the school.

Prerequisite: Education 410.

Ten hours lectures a week—3 units.

Mr. Smith.

565. Special Course in a Subject Matter Field.

Chemistry—A refresher course in chemistry for high school teachers of science. This course is intended to provide a survey of the developments in chemistry during the last ten or fifteen years in the three branches, inorganic, physical and organic chemistry.

Prerequisite: Major in Chemistry or teaching experience in High School chemistry to 91 level.

Ten hours lectures a week—3 units.

Instructors: Several members of the Chemistry Department.

French—(a) One hour devoted to lectures in French on French civilization. This course will cover a review of the general trends of French civilization from its origin to the present time. Emphasis will be placed on the characteristics of French thought, as expressed in the history of France, and as seen through its literary and artistic achievements. (b) One hour devoted to oral expression — play-reading, discussion, conversation, *explication de textes,* everyday words and phrases, practical phonetics, diction. (c) One hour devoted to advanced grammar, themes, free composition, and discussion of teaching problems.

Text-book: Robert Lacour-Gayet, *LaFrance au XXe siecle,* The Dryden Press, N.Y., Macmillan Company of Canada.

Prerequisite: A University degree with at least a minor in French or the equivalent.

See note under Education 365.

Fifteen hours lectures a week—3 units.

Miss Boyles and Mr. Treil.

Social Studies—Intended to help teachers of Social Studies in the secondary schools, the course must depend for its content on the needs of the students. Individual and seminar work on selected topics will be required. Lectures will deal with certain aspects of Geography, History, Economics, Political Science, International Relations, Anthropology, Sociology and Archaeology.

Text-book: To be chosen by each student in consultation with the instructor.

Prerequisite: S.B. or P.B. Teaching Certificate. At least 15 units of the social sciences mentioned in the first paragraph above.

Ten hours lectures a week—3 units.

Mr. Gibbard.

Home Economics—Recent developments in subject matter and methods of instruction.

Prerequisites: Degree in Home Economics and S.B. Certificate.

NOTE: This course will carry credit toward the Secondary Advanced Teachers Certificate.

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

Miss Leahy.

570. Educational Sociology.

Individual and social aims, the community and education, education and internationalism, social problems of administration and control.

Ten hours lectures a week—3 units.

Miss Dolmage.

578. The Theory of Guidance and Counselling in Schools.

An introduction to guidance services in the secondary school; objectives, gathering and using information concerning students, group guidance techniques, articulation of various forms. Counselling techniques, contributions of homeroom teachers, administrators and specialists, case studies.

Text-book: Willey and Andrew, *Modern Methods and Techniques in Guidance.*

Ten hours lectures a week—3 units.

Mr. Auld.

NOTE: The course would be of value to those as a first course in a sequence leading to qualification as a counsellor. It is somewhat equivalent to the old Summer School of Education courses 189, 190 or the former U.B.C. courses Education 550, 551. The first four weeks of the course will emphasize guidance services and group techniques. The last four weeks will emphasize counselling techniques.

581. Methods of Educational Research.

Techniques of conducting and interpretation of research in education; documentary, survey and experimental methods considered; standards in thesis writing; critique of published research.

Text-book: Good and Scates, *Methods of Educational Research.*

Five hours lectures a week—1½ units.

Mr. Stein.

582. Educational Statistics.

Frequency distributions, measures of central tendency; measures of variability; the normal probability curve; elementary sampling theory; correlation; partial and multiple correlation; application of statistical theory to problems of educational measurement.

Text-books: W. E. Garret, *Statistics in Psychology and Education* (4th Edition); H. E. Garret, *Workbook.*

Five hours lectures a week—1½ units.

Mr. Stein.

INDUSTRIAL ARTS COURSES

To be given at the Vancouver Technical School. Enquiries regarding these courses should be directed to:

Director of Technical and Vocational Education,
Department of Education,
Victoria, B.C.

The following courses may be credited toward the B.Ed. degree and for certification:

Education 150—Introduction to Industrial Arts Education. A course providing an introduction into Industrial Arts with special emphasis on the methods, procedures, uses and application of hand tools in the basic operations as applied to woodwork, metalwork, drafting and electricity. A study of the special problems involved in the organization, management and operation of the Industrial Arts shop is undertaken.

Text-books: Hamilton, *Woodwork for Junior High Schools*, H. A. Jones, *Metalwork for Grades VII, VIII, and IX*, Darling, *Junior Electricity*, J. S. White, *Draughting for Canadian Schools.*

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Rickard.

Education 152—Mechanical Drawing. Freehand lettering; orthographic projection; dimensioning; thread conventions; technical sketching; detail and assembling drawings of machine parts and cabinet work; tracing and blueprinting.

Text-book: J. S. White, *Draughting for Canadian Schools.*

Two hours lectures and eight hours laboratory a week—1½ units.

Mr. MacKenzie and Mr. McCammon.

Education 231 and 232—Electricity (Practice and Theory)—3 units.

Mr. Stark.

Education 350—Technology of Woodwork I. A course in elementary hand woodworking and the use of the more common woodworking machines. Attention is given to project planning, teaching aids, tool maintenance, shop management, wood finishing and wood turning skills.

Text-books: Hamilton, *Woodwork for Junior High Schools;* Wishart, *Woodwork Practice and Theory.*

Prerequisite: Education 150.

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Hutchinson.

Education 350 (Section B)—Technology of Woodwork I.—1 unit.

Mr. Scarlett.

Education 351—Technology of Metalwork I. Common ferrous metals and their alloys; elementary metallurgy; benchwork; grinding; drill press; lathework; sheet metalwork; art metalwork; forging; heat treatment; metal finishes. Attention is given to project planning, teaching aids, tool and machine maintenance and shop management.

Text-books: H. A. Jones, *Metalwork for Grades VII, VIII, and IX;* H. A. Jones, *Machine Shop Practice,* Book I.

Prerequisite: Education 150.

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Smith.

Education 352 — Mechanical Drawing. Continuation of Education 152. Isometric and oblique drawing; auxiliary views, more advanced working; checking a drawing.

Text-book: J. S. White, *Draughting for Canadian Schools.*

Prerequisite: Education 152, or equivalent.

Two hours lectures and eight hours laboratory a week—1½ units.

Mr. MacKenzie and Mr. McCammon.

Education 352—Mechanical Drawing. (a) Geometry: advanced geometrical principles of parallel line, radial line, triangulation and approximate developments as applied to sheet metalwork, (b) Architectural Drawing: simple building problems, floor plans, elevations and details of small frame house construction; N.H.A. specifications, (c) Working Drawings: further problems in machine and furniture making draughting.

Text-book: J. S. White, *Draughting for Canadian Schools.*

Prerequisites: M.E. 152 and M.E. 352.

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Anstey.

Education 352 (Sec. B)—Mechanical Drawing. This course is for students who have previously completed some work in Mechanical Drawing and require this 1½ unit course to complete the new requirements architectural drawing and woodworking drawings.

Two hours lectures and eight hours laboratory a week—1½ units.

Mr. Whittaker.

Education 354 — Oxy-Acetylene and Arc Welding. (a) Oxy-Acetylene Welding: set-up, care and maintenance of oxy-acetylene welding apparatus; 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: study of arc welding machines; types, sizes and uses of electrodes; effect of arc length, current and speed on beads; running beads; practice in the common type of welds; penetration cutting; hard facing; bronze welding.

Four hours lectures and sixteen hours laboratory a week—3 units.

Instructor: To be announced.

NOTE: This course may also be taken for credit toward the Secondary Advanced Teachers Certificate.

Education 404—Teaching the Secondary Subjects—Industrial Arts.

Ten hours lectures a week—3 units.

Mr. Strong.

Education 404 (Sec. B)—Teaching the Secondary School Subjects — Industrial Arts.

Five hours lectures a week—1½ units.

Mr. Quayle.

NOTE: This 1½ unit course is for teachers who had previously taken some work in this field and require this partial course for completion.

Education 450—Technology of Woodwork II. (a) Cabinetmaking: development of further proficiency in the use of hand tools and woodworking machines; modern methods and design in cabinetmaking; veneering; wood finishing; care and maintenance of woodworking machinery, (b) Building Construction: lectures and practical work on scale models to study all the features of frame house construction.

Text-books: Wishart, *Woodwork, Practice and Theory;* White, *Draughting for Canadian Schools.*

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Acteson.

Education 450 B—Technology of Woodworking II. Building construction. Practice in the use and maintenance of woodworking machinery.

Two hours lectures and eight hours laboratory a week—1½ units.

Instructor: To be announced.

NOTE: This course is for students who have previously had a shorter course in this field and require this course for completion.

Education 451—Technology of Metalwork II. Common non-ferrous metals and their alloys; metallurgy; benchwork; grinding; lathework; shaper work; drill press; heat treatment; forging; simple foundry practice; tool and machine maintenance; metal finishes.

Text-books: H. A. Jones, *Machine Shop Practice,* Books I and II.

Prerequisite: Education 351.

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. Hansen.

Education 453—Auto Mechanics. The automobile and its power plant; general construction of the automobile; auxiliary systems; fuel; carburetion; lubricating; cooling; clutch and gear box; rear axles and steering gears; brakes; miscellaneous.

Text-book: To be announced.

Four hours lectures and sixteen hours laboratory a week—3 units.

Mr. MacQueen and Mr. Rodger.

NOTE: Two sections to this course. This course may be taken for credit toward the Secondary Advanced Teaching Certificate.

The following courses may be credited for certification only, they carry no credit toward the B.Ed. degree.

Pattern Making and Foundry Practice. A course in the theory and practice of elementary pattern making and foundry practice particularly as applied to aluminum. This course is designed to prepare instructors to teach this work at the secondary school level.

Text-book: To be announced.

Prerequisite: S.B. Industrial Arts Certificate.

Ten hours lectures a week—3 units.

Mr. Catherall.

Wood Finishing. Advanced study and practice in the finishing of various kinds of wood under the following headings: staining and colouring, toning, chemical stains, chemical bleaches, sealing, filling, sealing fillers, shellac finish, varnish finishes, lacquer finishes, enamel finishes, special purpose finishes, cutting, rubbing, spraying finishes, brushes.

Text-book: To be announced.

Prerequisites: Education 350 and Education 450.

Five hours lectures a week—1½ units.

Instructor: To be announced.

Advanced Building Construction. Advanced study and practice in all phases of frame house construction.

Text-book: To be announced.

Prerequisite: Education 404.

Ten hours lectures a week—3 units.

Mr. Parker.

Small Boat Building. Theory and practice in the lofting and design of small boats, particularly clinker built and plywood construction.

Prerequisite: S.B. Industrial Arts Certificate.

Ten hours lectures a week—3 units.

Mr. Dyke.

ENGLISH

100-1. Literature and Composition.

A study of literature in the nineteenth and twentieth centuries, and of the principles of composition. Themes and exercises are required.

NOTE: **This course is not divisible, for purposes of credit, into two parts. Students should read *Lord Jim* (Dent) before the Summer Session begins.**

Text-books: *A Little Treasury of Modern Poetry* (revised; ed. Williams); *Contemporary Drama: Eleven Plays* (ed. Watson and Pressey); *Studies in the Short Story* (ed. Jaffe and Scott); *Handbook for Writers* (Prentice-Hall, 2nd ed.); Conrad, *Lord Jim;* and one other to be chosen.

Ten hours lectures a week—3 units.

Mr. Kidd, Mr. Lawrence, Miss Frazer and Miss Harper.

200. Literature and Composition.

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

Text-books: *College Survey* (Shorter edition, revised); Shakespeare, *Hamlet;* Swift, *Gulliver's Travels*; Austen, *Pride and Prejudice;* Fielding, *Joseph Andrews;* Goldsmith, *She Stoops to Conquer.*

Prerequisite: English 100-1.

NOTE: Preliminary reading is required: about 20% of the total credit for the course will be given on the results of an examination held during the first week of the Summer School term and covering the works by Shakespeare, Swift, Fielding, Austen, and Goldsmith. These works must be read in advance.

Ten hours lectures a week—3 units.

Mrs. Mackenzie, Mr. Piloto, Mr. Hulcoop, Mr. Fredeman, Mr. Booth and Mr. Lawrence.

NOTE: English 200 or its equivalent is prerequisite to all higher English courses with the exception of English 201.

201. Children's Literature.

A survey of children's literature from early sources to recent books. Historical approach continues through appraisal of books and authors for all age levels.

NOTE: For credit only in the College of Education.

Text-book: Meigs, Eaton, Nesbitt, Viguers, *A Critical History of Children's Literature* (Macmillan, 1955).

Ten hours lectures a week—3 units.

Miss Shopland.

202. Writing.

Practice in imaginative writing, with particular attention to the short story, the familiar essay, and to contemporary verse forms, but with reference also to the one-act stage play and radio drama.

Ten hours lectures a week—3 units.

Mr. Waterhouse.

400. Advanced English Composition.

The course gives practice in writing the personal essay and the research paper. Stress is placed on the development of the student's own style. Competent use of the English language is prerequisite.

Text-books: Waddell, *Grammar and Style; Anthology of English Prose* (Everyman); Thompson and Hicks, *Thought and Experience in Prose.*

For credit only in the Faculty of Education.

Ten hours lectures a week—3 units.

Mrs. Lewis, Mr. Ginges and Mr. Broome.

407. Dramatic Writing and Criticism.

Practice in the writing of stage, radio, television and cinematic drama, and

in the critical evaluation of these forms, with particular emphasis on the stage play.

Prerequisite: English 202 or equivalent.

Ten hours lectures a week—3 units.

Mr. Sinclair.

408. Elizabethan Literature.

Literary types studied will include the lyric, sonnet and sonnet sequence, prose romance, realistic prose and verse, expository writing, essay. Special attention will be given to the work of Spenser.

Text-books: Hebel, Hudson, et at., *Tudor Poetry and Prose;* complete works of Spenser.

Ten hours lectures a week—3 units.

Mr. Wheeler.

NOTE: This course is not listed for credit toward a major in English in the B.Ed. programme but will be so accepted this summer.

409. Fiction Writing and Criticism.

Practice in writing of the short story, and in critical evaluation of the contemporary short story.

Prerequisite: English 202 or its equivalent.

Ten hours lectures a week—3 units.

Miss Beresford-Howe.

421. Theatre Practice.

This course, consisting of Acting I and Speech I (Junior Courses), deals with the theory and practice of acting and with the fundamentals of voice production. It includes the following subjects: (a) principles of acting, movement, pantomime, preparation of the role, participation in a play, or in workshop scenes from plays; (b) breath control, tone quality, clarity and projection, interpretation of the spoken line. Students having a recognized equivalent of either Acting I or Speech I and wishing to substitute other subjects offered at the Summer School of the Theatre must apply for permission to the Director of the School.

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

Miss Somerset, Miss Crampton and Staff of the Summer School of the Theatre.

Students taking this course are strongly advised not to register for any other course in the Summer Session.

For time-table, see Summer School of the Theatre schedule listed under Extension Department courses.

427. The English Novel.

The development of the novel from the early eighteenth century to the late nineteenth century. Primary emphasis will be place on a close study of the technique and subject matter of ten novels.

Text-books: Defoe, *Moll Flanders;* Fielding, *Tom Jones;* Austen, *Emma;* C. Bronte, *Jane Eyre;* E. Bronte, *Wuthering Heights;* Dickens, *Bleak House;* Thackeray, *Vanity Fair;* Eliot, *Adam Bede;* Hardy, *Tess of the D'Ubervilles;* Moore, *Esther Waters.*

NOTE: The following novels must be read in advance: *Tom Jones* (Modern Library Giant), *Bleak House* (Riverside), *Vanity Fair* (Rinehart). There will be an examination on them during the first week of the Summer Session.

Ten hours lectures a week—3 units.

Mr. Gose.

428. American Literature to 1865.

The course centres upon individual authors such as: Franklin, Irving,

Cooper, Hawthorne, Melville, Poe and Emerson, and significant minor figures. These writers will be studied not only for their intrinsic interest, but also as representative of the social, political, literary, and intellectual currents which produced them.

Text-books: *The American Tradition in Literature,* Vol. I (ed. Bradley, Beatty and Long); *Colonial American Writing* (ed. Pearce); *Literature of the Early Republic* (ed. Cady).

Ten hours lectures a week—3 units.

Mr. Roper.

NOTE: This course is not listed for credit toward a major in English in the B.Ed. programme but will be so accepted this summer.

432. Victorian Prose.

The course is based on the works of Macaulay, Carlyle, Mill, Newman, Ruskin, Arnold, and Huxley; attention will also be paid to the intellectual, social, and political background of the period.

Text-book: Harrold and Templeman, *English Prose of the Victorian Era.*

NOTE: The selections in Harrold and Templeman from Carlyle and Macaulay must be read in advance. There will be an examination on them during the first week of the Summer Session.

Ten hours lectures a week—3 units.

Mr. Robson.

NOTE: This course is not listed for credit toward a major in English in the B.Ed. programme but will be so accepted this summer.

FINE ARTS

101. History of the Fine Arts.

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.

NOTE: For credit only in the College of Education.

Text-book: Gombrich, *The Story of Art.*

Ten hours lectures a week—3 units.

Mr. Ozard and Mr. Slind.

200. History of Art.

A chronological study of Classic, Gothic, Renaissance and Modern Painting, Sculpture and Architecture, prefaced by a survey of other and earlier great periods of art.

Text-book: To be announced.

Ten hours lectures a week—3 units.

Instructor: To be announced.

302. Drawing and Painting.

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.

NOTE: For credit only in the Faculty of Education. Materials needed will be posted in the Faculty of Education on the notice board and students should be ready to begin work on the first session.

Ten hours lectures a week—3 units.

Mr. MacDonald.

FRENCH

110 and 120. First Year University French.

Study of French texts; grammar; pronunciation.

Text-books: *French Civilisation through fiction* (Demorest and Shaw, ed.), Woodsworth, *Modern French Syntax and Composition.* (Supplementary reading for students eligible for French 120.)

Prerequisite: French 110: French 20 or 91 of High School Graduation (University Programme), or equivalent; French 120: French 92 of High School Graduation (University Programme), or equivalent.

Ten hours lectures a week—3 units.

Miss Brearley.

210 and 220. Second Year University French.

Reading of French texts; composition.

Text-books: Whitmarsh, *Complete French Course;* Husson, *la Cuisine des anges;* Colette, *Gigi;* Gide, *les Caves du Vatican.*

Prerequisite: French 210-French 110 or equivalent; French 220-French 120 or equivalent.

Ten hours lectures a week—3 units.

Mr. Gregg, Mr. LeGrand and Mr. Richard.

301. Literature of the Twentieth Century.

A study of Gide, *les Nourritures terrestres, les Nouvelles nourritures;* Malraux, *la Condition humaine;* Mauriac, *la Pharisienne;* Camus, *la Peste;* Giraudoux, *la Guerre de Troie n'aura pas lieu;* Sartre, *les Mains sales;* Saint Exupéry, *Vol de Nuit.*

Prerequisite: Second Year University French or equivalent.

Ten hours lectures a week—3 units.

Mr. Darbelnet.

NOTE: Teachers are encouraged to register also for Education 365 or Education 565 and to participate in *L'Ecole Francaise* under the direction of Miss Boyles.

See note under Education 365.

GEOGRAPHY

Geography 101 is prerequisite to all other courses in Geography for students intending to major or honour in Geography.

101. Introduction to Physical Geography.

The earth as a globe; map projections; topographic maps; origin and distribution of landforms with particular reference to North America; weather and climate; practical laboratory exercises; field trips.

Text-book: Strahler, *Physical Geography,* 1951.

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

Mr. Illick.

NOTE: Geography 101 may be credited as a science course in the first or second year electives of either the B.A. or B.Ed. programme.

201. Economic Geography.

An introductory course dealing with man and his occupations; the effect of physical environment upon the distribution of world population; the distribution of natural resources and problems of trade.

Text-book: Renner, Durand, White, *World Economic Geography,* 1951.

Ten hours lectures a week—3 units.

Mr. Van Riper.

303. World Geography.

The major geographic patterns of the world followed by a survey of the physical and human geography of each continent. Recommended for students taking only one course in geography.

Text-book: To be announced.

Ten hours lectures a week—3 units.

Mr. Heintzelman.

409. Geography of Canada and the United States.

Regional geography with special emphasis on Canada; physiography, climate, natural resources, population; primary industries.

Text-book: Putnam, *Canadian Regions*, 1952.

Ten hours of lectures a week—3 units.

Mr. Robinson.

GERMAN

90. Beginners' Course.

Text-books: Greenfield, *An Outline of German Grammar;* Meyer Graded Readers 1-3, and *Akademische Freiheit* (Alternate Series, Book 2).

Prerequisite: none.

Ten hours lectures a week—3 units.

Miss Scott.

200. Second Year University German.

Text-books: Schiller, *Wilhelm Tell;* W. Bergengruen, *Die letzte Reise;* Mann, *Tonio Kröger;* Fiedler, *A Book of German Verse.* Dictionary: Cassell's *Compact German Dictionary.* Extensive reading: Storm, *Immensee;* Meyer, *Der Schuss von der Kanzel.*

Prerequisites: German 110, 120, or 130, or equivalent.

Ten hours lectures a week—3 units.

Mr. Tracy.

400. Nineteenth Century German Drama.

Text-book: Campbell, *German Plays of the Nineteenth Century.*

Prerequisite: German 200 or equivalent.

Ten hours lectures a week—3 units.

Mrs. Jetter.

HISTORY

101. Main Currents in Twentieth-Century History.

This course offers a background for contemporary world problems and is prerequisite to History Honours. If the World History Course has been taken in Senior Matriculation, History 102 will be required for Honours.

Text-book: Chambers, Harris and Bayley, *The Age of Conflict.* Extra work will be required from Third and Fourth Year students taking this course.

Ten hours lectures a week—3 units.

Mr. Davies.

102. The History of Canada.

Introductory general course. This course is prerequisite for History 404, 420, 426, 430, 433, 533.

Text-book: McInnis, *Canada.* Extra work will be required from Third and Fourth Year students taking this course.

Ten hours lectures a week—3 units.

Mr. Saywell.

203. Canada West of the Great Lakes, with Special Reference to British Columbia.

Text-books: Howay, *British Columbia, the Making of a Province;* Sage, *Sir James Douglas and British Columbia;* Morton, *A History of the Canadian West to 1870-71;* J. H. Stewart Reid, *Mountains, Men, and Rivers.*

Ten hours lectures a week—3 units.

Mr. Sage.

311. From Empire to Commonwealth.

Empire and Commonwealth history and problems from responsible government to the present.

Text-book: Knaplund, *The British Empire, 1815-1939.*

Ten hours lectures a week—3 units.

Mr. MacInnes.

314. Europe from Westphalia to Waterloo, 1648-1815.

A survey of the economic, political and cultural development of Europe in the 17th and 18th centuries.

Text-books: Ergang, *Europe from the Renaissance to Waterloo;* Brunn, *Europe in Evolution;* Gottschalk, *The Era of the French Revolution;* Stearns, *Pageant of Europe.*

Ten hours lectures a week—3 units.

Mr. Carey.

415. Europe, 1815-1914.

The political, social and economic history of the chief countries of continental Europe, with special attention to international relations.

Text-books: Hayes, *A Political and Cultural History of Modern Europe,* Vol. II; Hall and Davis, *The Course of Europe Since Waterloo;* Stearns, *Pageant of Europe.*

Ten hours lectures a week—3 units.

Mr. Glover.

HOME ECONOMICS

105. Food Management I.

Meal planning, food preparation, development of standards and techniques with emphasis on work simplification and the use of a variety of equipment.

Text-books: Heseltine and Dow, *The Basic Cook Book,* 1957; Justin, Rust & Vail, *Foods,* 1956.

Prerequisite: Home Economics 91 or equivalent.

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

Mrs. Harris.

106. Textiles and Clothing.

Textile fibres and fabrics, their characteristics and uses; consumer problems in clothing, clothing needs of the family; techniques of clothing construction; tailoring.

Text-books: Hess, *Textile Fibres and Their Uses,* 1954; Goodman, *Tailoring for the Family,* 1951.

Prerequisite: Home Economics 91 or equivalent.

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

Miss McEwen.

LATIN

110, 120, 210, 220, or 407

Composite course in Latin. A substantial amount of a major work of Latin Literature (in 1957, Livy's History) will be read, partly in the original and

partly in English translation, the amount of the original Latin varying with the student's preparation. Students desiring credit in one of the courses listed above, 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.

Text-books: *Livy, Books XXI and XXII,* edited by W. W. Capes and J. E. Melhuish; *Livy,* with an English translation by B. O. Foster, Vol. V (Loeb Classical Library).

Prerequisite: Latin 90 or equivalent.

Ten hours lectures a week—3 units.

Mr. McGregor.

MATHEMATICS

101. Algebra, Geometry, and Trigonometry.

Algebra of logic, logarithms, permutations, combinations, binomial theorem, probability, straight line, circle, parabola, ellipse, and hyperbola; elementary trigonometry.

Text-books: Allendoerfer and Oakley, *Principles of Mathematics;* McGraw-Hill, *Macmillan Selected Mathematical Tables.*

Prerequisite: Mathematics 91 or 100 (credit will not be given for both 100 and 101).

Ten hours lectures a week—3 units.

Mr. Newbery and Mrs. Buchanan.

202. Calculus.

Introduction to differential and integral calculus, with applications.

Text-book: Thomas, *Calculus,* Addison-Wesley.

Prerequisite: Mathematics 101.

Ten hours lectures a week—3 units.

Mr. James.

205. Elementary Statistics.

Descriptive statistics, introduction to probability and sampling, correlation, index numbers, time series.

Text-book: Freund, *Modern Elementary Statistics,* Prentice Hall.

Prerequisite: Mathematics 100 or 101.

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

Mr. Simons.

303. Mathematics for Teachers.

NOTE: For credit only in the College of Education.

Text-books: F. J. Mueller, *Arithmetic, Its Structure and Concepts,* Prentice Hall; J. Houston Banks, *Elements of Mathematics,* Allyn and Bacon, Inc.

Ten hours lectures a week—3 units.

Mr. Jennings.

308. Topics in Algebra.

The number system, theory of numbers, theory of polynomials.

Text-book: To be announced.

Prerequisite: Mathematics 202.

Ten hours lectures a week—3 units.

Mr. Thomas.

MUSIC

201. Elementary Harmony.

Experience in written work, sight-singing, ear-training, keyboard harmony. Some knowledge of the piano is desirable, but not necessary.

NOTE: For credit only in the College of Education.

Ten hours lectures a week—3 units.

Mr. Gibbard.

300. Music Appreciation.

How to listen to music; analysis of structure and form of selected works from the eighteenth, nineteenth and twentieth centuries.

Collateral reading: Aaron Copland, *What to Listen for in Music;* Dr. Baker, *Pocket Music Dictionary.*

Ten hours lectures a week—3 units.

Mr. Adaskin and Frances Marr (accompanist).

NOTE: For Third and Fourth Year students only.

303. Choral Music.

Some techniques of voice production, organization of choral groups, literature, conducting, participation in the singing of selected choral works.

NOTE: For credit only in the Faculty of Education. (See Conducting Clinic for Teachers, page 54.)

Ten hours lectures a week—3 units.

Mr. Slind and Mr. Goldschmidt.

403. Music History and Literature.

A survey of music history and literature from early to modern times; a detailed study and analysis of representative works of designated composers, periods, styles; assignments in selected areas of study.

NOTE: For credit only in the College of Education.

Ten hours lectures a week—3 units.

Mr. Barr.

PHILOSOPHY

100. Introduction to Philosophy.

A systematic presentation of the problems of philosophy from the early Greeks to the present day.

Text-books: To be announced.

Ten hours lectures a week—3 units.

Mr. Maslow.

340. Philosophy of Religion.

The nature of religion and the religious experience. An enquiry into the nature of God, man, ethics, science, knowledge and civilization.

Text-book: To be announced.

Prerequisite: Philosophy 100 or instructor's permission.

Ten hours lectures a week—3 units.

Mr. Fitch.

PHYSICAL EDUCATION

Students registering for any of the following courses must attend organizational meetings which will be held in the Memorial Gymnasium on July 2, at the hours scheduled for the classes.

101. Gymnastic Activities for the Elementary School.

One hour per day, July 3-Aug. 14, inclusive—1 unit.

Miss Glen.

209. Softball.

Fundamentals and rules of softball.

One hour per day, July 24-Aug. 14, inclusive—½ unit.

Mr. Pomfret.

210. Basketball.

Fundamentals, basic drills, simple offensive tactics.

Text-book: Branch-McCracken, *Indiana Basketball.*

One hour per day, July 3-23 inclusive—½ unit.

Mr. Pomfret.

218. Games, Contests and Relays.

Relay, Group and recreational games and activities.

One hour per day, July 24-Aug. 14, inclusive—½ unit.

Mr. Laithwaite.

230. Swimming.

Elementary swimming skills, strokes, entries, water safety.

½ unit.

One hour per day, July 3-23, inclusive—½ unit.

Mr. Whittle.

240. Dance.

Ballroom, fox-trot, waltz, rhumba, samba, tango, jive.

One hour per day, July 3-23, inclusive—½ unit.

Mr. Vincent.

243. Dance.

Folk dance.

Three weeks, one hour per day, July 3-23—½ unit.

Miss Sexton.

262. Health I.

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

One hour per day, July 2-Aug. 14, inclusive—1½ units.

Mr. Whittle.

363. History and Philosophy of Physical Education.

The historical background and development of physical education, foundations of physical educational, fundamental principles, function of physical education in a democratic society.

One hour per day, July 2-Aug. 14, inclusive—1½ units.

Miss Sexton.

460. Organization and Administration of Physical Education.

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

One hour per day, July 2-Aug. 14, inclusive—1½ units.

Mr. Osborne.

PHYSICS

101. Elementary Physics.

Principles of mechanics, properties of matter, heat, light, sound, electricity, and some of the more recent developments in physics.

Text-book: Stewart, *Physics, A Text-book for Colleges.*

Prerequisites: Physics 91 and Mathematics 101 (the latter may be taken concurrently).

Students who do not have Physics 91 may take this course and may obtain credit for Physics 100. These students will register for Physics 100.

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

Instructor: To be announced.

200. Mechanics—Heat and Properties of Matter.

Statics, friction, Newton's laws of motion, conservation laws, impact, simple harmonic motion, fluid flow and surface tension, calorimetry, expansion, kinetic theory, radiation and conduction, entropy and the second law of thermodynamics.

NOTE: Teachers majoring in Science should take this course.

Text-books: Tyler, *Intermediate Heat;* Duncan and Starling, *Mechanics.*

Prerequisite: Physics 100 or 101. Mathematics 202 must be taken concurrently or precede this course.

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

Mr. Crooker.

303. Elementary Modern Physics.

Fundamental ideas underlying modern physics. For general science teachers and others interested in recent developments in physics. The nature of light, spectroscopy, quantum theory, x-rays and electromagnetic radiation. Electricity and electronic circuits will be stressed.

Text-book: Oldenberg, *Introduction to Atomic Physics.*

Prerequisite: Physics 200 or 203.

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

Instructor: To be announced.

POLITICAL SCIENCE

400. Government of Canada.

Development of the Canadian federal system.

Ten hours lectures a week—3 units.

Mr. Mallory.

PSYCHOLOGY

Psychology 100 is prerequisite to all other courses in Psychology.

(NOTE: Psychology 301 is the equivalent of Education 531 and 532.)

100. Introductory Psychology.

A scientific and practical study of the basic forms of human thinking, emotion, and activity.

Text-book: To be announced.

Ten hours lectures a week—3 units.

Mr. Cox.

202. Mental Hygiene.

Approaches to an understanding of personality, varieties of adjustive behaviour, modification of personal and social behaviour, systems of psychotherapy, approaches to mental health.

Text-book: To be announced.

Prerequisite: Psychology 100.

Ten hours lectures a week—3 units.

Mr. Robson.

301. Developmental Psychology.

Psychological development, prenatal through adolescence; determiners of psychological growth; motor, emotional, social, intellectual, language and personality development. Implications for the guidance of psychological development.

Text-book: To be announced.

Prerequisite: Psychology 202.

Ten hours lectures a week—3 units.

Mr. Steinmetz.

305. Personality Theory.

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

Text-book: To be announced.

Prerequisite: Psychology 201 or 202.

Ten hours lectures a week—3 units.

Mr. Signori.

405. Learning.

A critical examination of the major theories of learning.

Text-book: To be announced.

Prerequisite: Psychology 201 or 202.

Ten hours lectures a week—3 units.

Mr. Kenny.

RUSSIAN

100. Basic Russian.

First introductory course in the Russian language.

Text-book: Carlsen, *An English-Russian Vocabulary and Numericon of Inflections and Stress-Patterns for Basic Russian Courses.*

Ten hours lectures a week—3 units.

Miss Carlsen.

SLAVONIC STUDIES

306. Russian Literature in Translation.

Literary achievements of the Russian people, with stress on the important works of nineteenth and twentieth century Russian writers.

Reference Books: Simmons, *Outline of Modern Russian Literature;* Mirsky, *History of Russian Literature.* Selected sections from Pushkin, Lermontov, Gogol, Turgenev, Tolstoy, Dostoyevsky, Chekhov, Gorky, Blok.

Ten hours lectures a week—3 units.

Mr. Strakhovsky.

SOCIOLOGY

200. Introduction to Sociology.

A general introduction to the sociological analysis of selected topics (such as values, work, stratification, kinship and socialization, particular social roles and the problems 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. Falardeau.

SPANISH

90. Beginners' Spanish.

Grammar, composition, translation, conversation.

Text-books: Kasten and Neale-Silva, *Lecturas escogidas,* Harper Bros.; Sacks, *Spanish for Beginners,* Ronald Press, 1951.

Ten hours lectures a week—3 units.

Mr. Bartroli.

ZOOLOGY

105. General Zoology.

An introduction to animal biology; structure, function, evolution and classification of animals. Vertebrate and invertebrate.

NOTE: This course is prerequisite to all other courses in Zoology and to most courses in Biology.

Text-book: Hickman, *Integrated Principles of Zoology* or Elliot, *Zoology*.

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

Mr. Cowan.

306. Biology of the Vertebrates.

The vertebrates, chiefly of British Columbia, identification of species, methods of studying behaviour and ecology, biology, distribution and speciation. Methods of preservation for classroom and museum study.

Text-books: Pettingill, *A Laboratory and Field Manual of Ornithology*; Cowan & Guiguet, *A Handbook to the Mammals of British Columbia.*

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

Mr. Udvardy.

NOTE: This course is designed to provide the material on living vertebrates most needed in a biology teaching major. Some of the laboratories will take the form of short field excursions.

SUMMER SESSION REGISTRATION - 1956

CREDIT COURSES

MEN	WOMEN	TOTAL
1104	706	1810

CORRESPONDENCE CREDIT COURSES

Students are reminded that the following correspondence courses are available: Psychology 100, Psychology 301, Philosophy 100, English 200, History 304, Economics 306 (formerly 325), Geography 409, Education 520.

Knowledge of the availability of these courses may assist students in planning their programme of studies.

Department of University Extension

SUMMER SCHOOL OF THE ARTS - 1957

The Summer School of the Arts at the University of British Columbia, July-August 1957, will offer one of the most outstanding programmes in the fine arts on the continent. The staff will include such well-known lecturers and artists as Douglas Seale, Aksel Schiotz, Jacques Barzun and Charles Lakofsky.

As in other years the Summer School programme is offered through the cooperation of various University Departments and through the services of distinguished arts instructors and lecturers. A summer festival featuring student and staff work in music, theatre and arts and crafts will highlight the programme.

Life at Summer School on Canada's Pacific coast will be enhanced by the beauty of the natural surroundings, the art gallery, theatre, museum, and the inspiration of internationally famed visitors. The area offers all forms of summer recreation, including the Empire swimming pool and the many beaches nearby. Several theatre companies, including the famous Theatre Under the Stars, perform in Vancouver throughout the summer period.

Through generous grants from the Vancouver Festival Society and the Leon and Thea Koerner Foundation, a considerable number of scholarships are available in the 1957 Summer School of the Arts (see page 50). An additional number of bursaries have been provided by individuals and organizations for summer students of drama, opera, lieder, art and crafts. Further information may be obtained by writing to the Department of University Extension.

For information concerning admission, write:

Department of University Extension,
The University of British Columbia,
Vancouver 8, B.C.

STAFF

Theatre

DOROTHY SOMERSET, A.B., Radcliffe, Director of Summer School of the Theatre.
DOUGLAS SEALE, Guest Director.
ROBERT GILL, M.A.
ESME CRAMPTON.
JESSIE RICHARDSON.
IRENE POWLAN.
IAN THORNE, L.R.A.M., L.G.S.M.
ELSIE GRAHAM.
MILDRED CUSHING.
MIKE ENGLISH, B.A.
DONALD SMITH, B.A.
NORMAN YOUNG, B.A.

Music and Opera

NICHOLAS GOLDSCHMIDT, Director of Music for the Summer School.
AKSEL SCHIOTZ.
ROBERT GILL, M.A.
JOHN COVEART.
NORMA ABERNETHY.

Arts and Crafts

ROBERT DAVIDSON, B.F.A., Supervisor of Art, Extension Department.
CECIL RICHARDS, Associate Professor, University of Manitoba.
DELBERT McBRIDE.
OLIVER TIEDMAN.
DONALD JARVIS.
HILDA ROSS.
CHARLES LAKOFSKY, B.F.A., M.A.
WILLIAM REID.
JOHN DOBEREINER.

SUMMER SCHOOL OF THEATRE

July 2 - August 17

The Department of Extension takes pride in announcing a distinguished addition to the programme of the Summer School of the Theatre in 1957. Besides the regular first and second year courses intended to provide an intensive basic training for young actors, members of community drama groups and teachers in charge of drama in the schools, the Department is inaugurating a master-course for experienced actors which will take the form of a single professional production under the direction of one of England's most outstanding stage directors, Mr. Douglas Seale. Mr. Seale is the director for the Birmingham Repertory Theatre, England's leading repertory theatre, and he also directs regularly for The Old Vic, Stratford-on-Avon, Sadlers Wells, as well as for the great Festivals in Edinburgh, Berlin, Amsterdam and elsewhere. His presence on the campus will be an inspiration to all students enrolled in the Summer School of the Theatre, as well as to all lovers of theatre. Mr. Seale's professional production will be rehearsed and presented to the public in the five weeks between July 15 and August 17. All other courses will run from July 2 to August 17.

Staff

Dorothy Somerset, A.B., Radcliffe: Associate Professor of Dramatics; Director, Summer School of the Theatre; Supervisor of Dramatics, Department of University Extension.

Douglas Seale: Distinguished professional guest director, one of England's outstanding Shakespearian producers (see above).

Robert Gill, M.A., Carnegie Institute of Technology, Director of Hart House Theatre, Toronto: Mr. Gill's Association with the Summer School of the Theatre, both as director and instructor, goes back many years. This summer, in addition to teaching for the School of Theatre, he will be Stage-Director for the School of Opera.

Esmé Crampton: Miss Crampton holds diplomas in Dramatic Art and Speech from the London Central School of Speech and Drama and from London University. After teaching and directing in England for a number of years she was appointed, in 1955 and 1956, as Voice Teacher to the Stratford (Ontario) Shakespeare Festival School and Company.

Jessie Richardson: Member of the National Executive Committee of the Dominion Drama Festival, formerly President of the Vancouver Little Theatre Association, and a Director of the "Holiday Theatre", Mrs. Richardson is well known as an actress, adjudicator and stage costume designer. She has for many years been a member of the staff of the Summer School of the Theatre.

Irene Powlan: Formerly a member of the American Repertory Theatre, where she acted and directed under Maria Ouspenkaya and Alexander Koiransky, and a member also of Charles Laughton's Shakespeare Foundation

Group, Miss Powlan will be returning to the University for the fourth consecutive summer.

Ian Thorne, L.R.A.M., L.G.S.M.: Founder and Director of the professional theatre companies, the "York Theatre Company" and the "Lancaster Theatre Company", Mr. Thorne has had a wide and varied experience as actor, director, playwright and lecturer.

Elsie Graham: It is with pleasure that the Extension Department welcomes back to its summer staff Mrs. Elsie Graham, widely known teacher of Speech, who was for many years in charge of speech work for the Summer School of the Theatre.

Mildred Cushing: Assistant Costume Mistress. Mrs. Cushing will be returning to the staff of the Summer School of the Theatre for a third consecutive season.

Mike English, B.A., Washington: Stage designer and technical director for the Portland Civic Theatre from 1952 to 1955, for the Massachusetts "Straight Wharf Theatre" during the 1955 summer season, and part time lecturer at Lewis and Clark College. Mr. English's contribution to the Summer School of the Theatre will be particularly valuable to those interested in higher standards of visual and technical production.

Donald Smith, B.A., Washington: Formerly technical director for KING (Seattle) television station, Mr. Smith recently spent six months abroad studying European theatre. His practical knowledge and experience of stagecrafts and of all that goes on "backstage" will be of great assistance to teachers and directors in Community theatre.

Both Mr. English and Mr. Smith are returning to the University for the second consecutive summer.

Norman Young, B.A., University of British Columbia: Theatre Technical Assistant in the Department of English, Mr. Young will be Production Manager for the Summer School of the Theatre.

Courses

PROFESSIONAL PRODUCTION COURSE—July 15 - August 17

This course will consist solely of the professional production of a play by Mr. Douglas Seale. Its purpose is to provide an outstanding professional experience in a major style of acting. The play selected for Mr. Seale's production is "The Tempest" by William Shakespeare.

The principal roles in this production will be cast among experienced actors only, and applications must be received not later than April 30. Information concerning auditions will be forwarded upon request. The smaller roles will be cast from among students registered in the regular courses of the Summer School of the Theatre. The production will be presented to the public for five nights.

THEATRE PRACTICE: ACTING I AND SPEECH I

(English 421 Credit Course, and Extension Department non-credit course.)

The theory and practice of acting, fundamentals of voice production, and participation in a play. This course includes the following two subjects:

ACTING I

Principles of acting, improvisation, creating a character, the body as an instrument of expression, class presentation of acting scenes.

SPEECH I

Breath control, voice production, tone quality, clarity and projection, vocal interpretation of the spoken line.

Students having the recognized equivalent of Acting I or Speech I may apply to the Director of the School for permission to take Acting II or Speech II.

Time:

Ten hours a week. Rehearsals in addition.

Instructors:

Miss Crampton, Mrs. Graham, Miss Powlan, Mr. Gill.

ACTING II

Advanced acting class. Students will be asked to prepare scenes for class discussion and criticism.

Time:

Five hours a week.

Instructor:

Mr. Gill.

Prerequisite:

Acting I or its equivalent and the consent of the instructor.

SPEECH II

Advanced training stressing efficient and expressive speech. Students will be asked to prepare selections for individual discussion and criticism.

Time:

Five hours a week.

Instructor:

Miss Crampton.

Prerequisite:

Speech I or its equivalent and the consent of the instructor.

DIRECTING

A course dealing with the various problems a director must consider in bringing a play to performance—interpretation of script, stage movement and business, rhythm, setting, prompt book and conduct of rehearsals.

Time:

5 hours a week.

Instructor:

Mr. Thorne.

Prerequisite:

A course in Acting I and Speech I equivalent to that offered at the Summer School of the Theatre, and the consent of the instructor based on the student's previous experience in acting or directing plays. Mature students with considerable acting or directing experience, but without the prerequisites of Acting I or Speech I, will, upon the consent of the instructor, be admitted to this course.

STAGECRAFTS

Practical workshop classes, including scene construction and painting, costume and make-up. Students will participate in staging, lighting, and costuming the plays produced at the conclusion of the School.

Time:

Ten hours a week.

Instructors:

Mrs. Richardson, Mrs. Cushing, Mr. Smith.

SCENE DESIGN AND LIGHTING

A course designed for students who wish to specialize in technical stage production, or for directors who wish to know more about the technical aspects of producing a play. The principles of Scene Design and Stage Lighting will be discussed and students will be asked to work on problems related to specific plays or scenes from plays.

Time:
Five hours a week.

Instructor:
Mr. English.

Prerequisite:
A course in Stagecrafts equivalent to that offered at the Summer School of the Theatre, or the consent of the instructor based upon the student's previous experience.

METHODS AND PROBLEMS OF TEACHING DRAMA IN THE SCHOOLS

(Education 404 credit course and Extension Department non-credit course)

This is a lecture and discussion course dealing with the various materials and techniques required by drama teachers in the Schools.

Time:
5 hours a week—1½ units.

Place:
Hut M 8.

Instructor:
Miss Somerset.

Prerequisite:
For credit: completion or near-completion of a major in Drama.
Non-credit students will be admitted upon the consent of the instructor.

PARTICIPATION IN A PLAY

All students will have the opportunity of participating in the production of one of the plays presented at the conclusion of the School, or in scenes from plays presented in workshop manner. Students seeking credit for English 421 or an Extension Department certificate are required to participate.

PERSONAL INTERVIEWS AND EXAMINATIONS

On the opening day of the School all students will have the opportunity of discussing their classes with the director and instructors.

A final examination will be required for those seeking academic credit or the University Extension Department certificate.

TIME TABLE (Subject to change)

8:30 - 12:20	Speech I
8:30 - 12:20	Acting I
8:30 - 12:20	Stagecrafts

Classes in Acting I and Speech I are of fifty minutes duration, the classes

in Stagecrafts of one hour and fifty minutes. Students will be assigned to various sections within the times indicated.

8:30 - 10:20	Directing	given on alternate days
8:30 - 10:20	Stage Design and Lighting	
10:30 - 12:20	Acting II	given on alternate days
10:30 - 12:20	Speech II	
1:30 - 2:20	Methods and Problems of Teaching Drama in the Schools	
1:30 - 5:00	Rehearsals (evening and week-end rehearsals called as required)	

OPENING MEETING OF THE SCHOOL

Tuesday, July 2, at 10:00 a.m. in the University Auditorium.

Fees

Professional Production		$50.00
Auditors for Professional Production		15.00
Regular full course	Non-credit	50.00
	Credit	45.00
Individual Subjects		25.00
Education 404		22.50
Stagecrafts, Stage Design and Lighting lab: fees		2.00
Summer Session Students Association fee		2.00

SCHOLARSHIPS, BURSARIES, STUDENT-ASSISTANTSHIPS

A limited number of special scholarships are available to experienced actors accepted into the professional production to be directed by Mr. Seale, but who might find themselves unable to take advantage of the opportunity without financial assistance. Applications must be received not later than May 15. Further information upon request.

Scholarships and bursaries to the amount of the fees for the regular Summer School of the Theatre courses are available to talented and recommended students who, for financial reasons, might not otherwise be able to attend the School. Applications must be received by May 15. They must be accompanied by letters giving full particulars of previous training and experience, as well as by two letters of recommendation from persons with a knowledge of theatre.

Two student-assistantships in both Stagecrafts and Stage Costumes are available to students with knowledge of and experience in carpentry or sewing respectively. Further information upon request.

Student-assistants attend regular classes in the mornings and in the afternoons assist with the scenery and costumes to be used in the plays presented at the conclusion of the School. Applications for student-assistantships must be submitted to the Department of University Extension by May 15, giving full particulars of previous training and experience, and they must be accompanied by two letters of recommendation.

MUSIC

The Department of Extension takes pride in the high standards of artistic endeavour and performance developed by the Summer School of Music over the past seven years under the guidance and inspiration of its director, Mr. Nicholas Goldschmidt. To the achievement of the School of Opera, culminating each year in an outstanding performance of an opera, the University added last year a course for singers in Lieder and Concert Literature given by the internationally-known singer Aksel Schiotz. Both these courses will be offered again in 1957, with the same artist-instructors, and with Mr. Robert Gill of Hart House Theatre, Toronto, as Stage Director for the School of Opera. The Uni-

versity Chorus will offer its now familiar and unique opportunity to lovers of singing at large, and a new addition to the music programme will be a master class for advanced piano students which will be given by the distinguished Paris concert pianist, Mme Marie Aimée Warrot.

Summer School of Opera

July 8 - August 30

(Including opera classes, production rehearsals, performance of opera excerpts, and four performances of the operas presented at the conclusion of the School.)

Preliminary auditions: June 24 - 28.

Final auditions: July 2 - 5.

Staff

NICHOLAS GOLDSCHMIDT, Director of Music for the Summer School.

Mr. Goldschmidt will be returning to the University of British Columbia for his eighth consecutive summer. His contribution to the development of opera in Canada is outstanding. He is musical director of the Opera School of the Royal Conservatory of Music and of the Festival Opera Company in Toronto, as well as conductor of the C.B.C. Opera Company. For the past four years, before coming to the University of British Columbia for the Summer Session, he has travelled in Europe where he has conducted concerts in England, Holland and Belgium. In Vancouver Mr. Goldschmidt has conducted the following operas for the C.B.C., with all-Canadian casts: "The Bartered Bride", "Orpheus", "The Old Maid and the Thief", "The Devil and Daniel Webster". In the past two years the School of Opera has presented full scale opera productions of "The Consul" by Menotti and "Cosi Fan Tutte" by Mozart, under his direction. Mr. Goldschmidt has recently been appointed Managing and Artistic Director of the Vancouver Festival Society.

Robert Gill, M.A., Carnegie Institute of Technology, Director of Hart House Theatre, Toronto: Mr. Gill is one of Canada's outstanding stage directors. His production of "The Consul" by Menotti in Vancouver was a memorable occasion in opera. It is with pleasure that the University welcomes his return for a second summer session in the School of Opera.

John Coveart: Concert pianist and coach, Royal Conservatory of Music, Toronto.

COURSES

(1) **Acting for Opera:** July 8 — August 18
Dramatic Study of Standard Opera Repertoire in Excerpts.
Instructor: Mr. Gill
Place: University Studio
Times: (subject to change)
Monday: 5:15 - 7:00 p.m.
Tuesday: 7:45 - 9:45 p.m.
Thursday: 5:15 - 7:00 or 7:45 - 9:45 p.m.
Saturday: 2:00 - 4:00 p.m.

(2) **Individual Instruction in Musical Study of Standard Opera Repertoire in Excerpts:** July 8 - August 18
Instructors: Mr. Goldschmidt and Mr. Coveart
Place: University Studio
Times: (subject to change)
Monday through Friday: 10:20 a.m. - 12:20 p.m.
Tuesday and Thursday: 3:15 - 5:15 p.m.
Saturday: 10:00 a.m. - 12:00 noon

(3) Production Rehearsals: July 8 - August 30 (including four public performances)

Instructors: Mr. Goldschmidt, Mr. Gill, Mr. Coveart

Place: University and Down-town Studio

Times: (subject to change)

Monday: 5:15 - 7:00 p.m.
Tuesday: 7:45 - 9:45 p.m.
Thursday: 5:15 - 7:00 or 7:45 - 9:45 p.m.
Saturday: 2:00 - 4:00 p.m.

The Opera courses will concentrate on the preparation of a concert of opera excerpts, and on the production of two operas, "The Medium" by Menotti and "Gianni Schicchi" by Puccini.

Students will have the opportunity of studying excerpts from the standard opera repertoire, including arias, duets and scenes in English, French and Italian. They will be expected to provide their own music.

Auditions: Admission to the opera courses will be by audition.

Appointments for the preliminary and final auditions may be made in writing or by telephoning the Extension Department, Alma 1191.

Out-of-town students wishing to apply, but unable to audition in person in advance of the course, are requested to send in letters giving full details of training and concert experience (if any) as well as two letters of recommendation from persons with a knowledge of singing.

Opening Meeting of Opera School: July 5, 8:15 p.m.

On Friday evening, July 5, at 8:15 p.m., in the Frederic Wood Theatre, Mr. Goldschmidt will outline to students and to interested members of the general public his plans for the Opera School of 1957.

Fees:

Complete Opera Course	$50.00
Auditors	$15.00
Summer Session Students Association Fee	$ 2.00

Scholarships

A limited number of scholarships to the Summer School of Opera are available to talented students seriously interested in opera who, without financial assistance, might not be able to attend the School. Further information upon request.

Applications for scholarships must be submitted to the Department of University Extension prior to the opening of the Opera School. They must be accompanied by letters giving full particulars of previous training and experience, as well as by two letters of recommendation from persons with a knowledge of singing.

PRIVATE INSTRUCTION IN CONDUCTING

Instructor: Mr. Goldschmidt

Times: To be arranged in consultation with Mr. Goldschmidt

Fee: $5.00 per half hour

Further information upon request

THE STUDY OF LIEDER AND CONCERT LITERATURE— July 8 - August 17

AKSEL SCHIOTZ, Instructor

The University of British Columbia takes great pleasure in welcoming the return, for a second consecutive summer, of Mr. Aksel Schiotz, internationally

recognized as one of the world's great Lieder singers. Since 1938 when he started his career in his native Denmark, Mr. Schiotz has given concerts and sung in opera in Europe, England, North Africa, the United States and Canada. For his services as a "national singer", in sustaining the morale of the Danish people during the occupation, he was decorated by the late King Christian X. He was leading tenor in the first post-war Glyndebourne Festival in 1948, and in 1949 he was among the outstanding artists heard at the Edinburgh Festival. In 1955 Mr. Schiotz was guest artist at the Musical Festival of Canada in Stratford, Ontario, and during the same period he taught master classes at the Royal Conservatory of Music in Toronto. Since making his home in America he has been visiting professor at Macalester College, St. Paul, Minnesota, and at the University of Minnesota in Minneapolis.

Norma Abernethy and John Coveart: Concert pianists and accompanists to Mr. Schiotz.

Classes:

Mr. Schiotz' classes will be given over a period of five weeks during which time he will direct his students in the study of vocal techniques, and in the interpretation of Concert and Lieder Literature, including the cantatas and oratorios of Bach and Handel. Special sessions will be planned to meet the requirements of teachers of singing. At the conclusion of the classes his students will present a public concert.

(1) Individual Half-hour Lessons

Place:

University Studio

Times: (subject to change)
Monday through Friday: 10:20 a.m. - 12:20 p.m. or 4:00 - 6:00 p.m.

Fee:

$5.00 a lesson

(2) Group Master Classes

Place:

University Studio

Times: (subject to change)
Monday: 7:45 - 9:30 p.m.
Wednesday: 6:30 - 8:15 p.m.
Friday: 7:45 - 9:30 p.m.

Fee:

For participants $35.00
For auditors $20.00
Summer Session Students Association fee: $2.00 (for students taking both individual lessons and master classes).

Times:

Mr. Schiotz will make a final decision as to the hours at which he will conduct his classes after he has had an opportunity to consult with his students.

Scholarships

A limited number of scholarships for the course in Lieder and Concert Literature are available to talented students who, without financial assistance, might not be able to avail themselves of this opportunity. Further information upon request.

Music

A list of Lieder, oratorios and songs suitable for these classes has been prepared by Mr. Schiotz, copies of which may be obtained from the Extension Department. Students are expected to provide their own music.

Auditions: Acceptance of students for individual lessons and of participants in the group master classes will be by audition.

Audition dates: June 24 - 28, July 2 - 5.

Appointments for auditions may be made in writing or by telephoning the Extension Department, Alma 1191.

Out-of-town students wishing to apply, but unable to audition in person in advance of the course, are requested to send in letters giving full details of training and concert experience (if any), as well as two letters of recommendation from persons with a knowledge of music.

UNIVERSITY CHORUS: July 3 - August 14

For the delight and instruction of those who enjoy singing and fine music, Mr. Goldschmidt will conduct his fourth series of classes in choral singing. They are open to everyone. Mr. Goldschmidt's purpose is to bring together teacher, student and amateur and, through active participation, to acquaint them with some of the finest choral music. The music Mr. Goldschmidt will select will be easy to read in order that all participating may derive the greatest pleasure and benefit. At the conclusion of this course students will present a public concert.

Place:

Hut M-1

Time:

Mondays, Wednesdays, Fridays, 3:45 - 4:45 p.m.

Fee:

$5.00

CONDUCTING CLINIC FOR TEACHERS

The University Chorus classes may be taken for credit in conjunction with Music 303. For students taking the combined course Mr. Goldschmidt will also give two classes a week on conducting, on Tuesdays and Thursdays, 3:45 - 4:45 p.m.

PIANO MASTER CLASSES IN 19TH CENTURY PIANO MASTERPIECES: June 11 - 27

The Department of University Extension is pleased to be able to extend its musical programme in 1957, and to announce a series of Piano Master Classes to be given by Mme. Marie Aimée Warrot. Before coming to Canada Mme. Warrot's home was in Paris where she was well-known as a concert pianist and as soloist for the French radio and television and for the major European orchestras. She has appeared in concerts in Vancouver and is a frequent contributor to the Canadian Broadcasting Corporation's musical programmes.

There will be six master-class recitals, each of which will include the performance of selected works by advanced piano students followed by a commentary and explanation of interpretation by Mme. Warrot.

Students will receive private instruction from Mme. Warrot in preparation for the master-class recitals.

Place:

Brock Hall Stage Room, University

Time: Tuesdays and Thursdays, 8:00 p.m.

Fees: (including private instruction, participation in one master class, and attendance at all other classes) $20.00

Auditors: $10.00 for series of six classes
$ 2.00 per class

N.B.—Students intending to register for these classes are asked to get in touch with Mme. Warrot as soon as possible and at least one month prior to June 11. Further information may be obtained from the Department of Extension.

SUMMER SCHOOL OF THE ARTS AND CRAFTS

In addition to regular arts and crafts offerings, with an appeal to all levels of student capability, this Summer Session will place some emphasis on the use of art in architecture.

Courses in Mosaic Craft and Architectural Sculpture will be available to advanced students of the arts, and to those of professional status. It is felt that all students of the arts and crafts will benefit by working in close proximity with the advanced students, who will be working with rich materials, and on projects for a definite site.

The Art in Architecture session will devote one day, August 10th, to a display and discussion of the materials of architectural decoration: mosaic, sculpture and stained-glass. This should be of interest to artists and architects as well as all others interested in art.

ART IN ARCHITECTURE

Mosaic-craft — July 2nd - August 9th

Designed for advanced art students and professional artists. The course will offer tuition on an apprentice basis, and the student will, as well, work on individual projects. Many of these projects will be *'in situ'* making it possible and necessary to design the work with the surroundings as a consideration.

The lessons will include the design and theory of mosaic murals and also the methods of practical application of the tesserae.

Applications for enrollment should be received before June 17th. There are some scholarships available for these courses and applications for scholarships should be received before May 15th. Applicants for scholarships should also enclose two photos of their work and a brief notation of training and experience.

Classes:

Monday through Friday ..... 10:20 a.m. - 12:20 p.m.
2:00 p.m. - 4:00 p.m.

Place:

New Art Studio, Youth Training Centre, University Campus.

Fee:

$35.00 plus $8.00 Lab fee.

Instructors:

Mr. Del McBride and Mr. Oliver Tiedman operate a craft shop in Nisqually, Washington and have executed several mosaic and ceramic tile murals in the Washington area. Both are knowledgeable craftsmen in the field and have exhibited their paintings and drawings widely throughout the United States.

ARCHITECTURAL SCULPTURE: July 2 - August 9

A studio course open to a limited number of advanced students and professional sculptors. The group will work on bas-reliefs and sculpture in the round for actual sites, theoretical and practical. The student may work in stone, wood, ceramic or cast concrete according to his inclination.

Applications for enrollment should be received before June 17. There are some scholarships available for these courses and applications for scholarships

should be received before May 15. Applicants for scholarships should enclose two photos of their work and a brief notation of training and experience.

Classes:

Monday through Friday—2:00 p.m.-4:00 p.m.

Place:

Sculpture Studio, Youth Training Centre, University Campus.

Fee:

$25.00 plus $5.00 Lab fee.

Instructor:

Mr. Cecil Richards studied at the Ontario College of Art and the Cranbrook Academy of Art, where he assisted Carl Milles and later taught. He has also taught at the University of Texas and is at present Associate Professor in the Department of Art at the University of Manitoba. He has exhibited widely throughout the continent and his works are in the collections of several museums.

SCULPTURE WORKSHOP: July 2 - August 9

A course designed for the beginning, intermediate and advanced sculpture students, and devoted to developing a sound ground work in the sculptor's media, stone, wood and clay modelling, with some work from the model. Instruction will be on a tutorial basis and will take into consideration individual needs.

Classes:

Monday through Friday—2:00 p.m.-4:00 p.m.

Place:

Sculpture Studio, Youth Training Centre, University Campus.

Fee:

$20.00 plus $5.00 Lab fee.

Instructor:

Mr. Cecil Richards.

ARTS AND CRAFTS

PAINTER'S WORKSHOP: July 2 - August 9

The student is encouraged to develop his own personal expression with a variety of materials. Time will be made available for study with the model, still life, landscape, and imaginative subjects, taking full advantage of the rich scenic possibilities of the University Campus.

The course is divided into two sections:

Section A:

Primarily concerned with the artist's initial approach to his subject and consisting of outdoor and indoor sketch parties.

Section B:

A studio course devoted to a formal consideration of the problems of drawing, colour, composition and techniques of various media.

Students taking both Section A and Section B will have an opportunity to develop the sketches made in Section A into finished compositions in the latter section.

Classes:

Monday through Friday ..... Section A 10:20 a.m.-12:20 p.m.
Section B 2:00 p.m.- 4:00 p.m.

Place:

New Art Studio, Youth Training Centre, University Campus.

Fee:

Single section of course $28.00
Both sections combined 45.00
(The classes will be limited and pre-registration is advised.)

Instructor:

Mr. Donald Jarvis—Graduate of the Vancouver School of Art and at present on the staff of that school. A former winner of the Emily Carr Scholarship, he has exhibited widely in Canada and the United States. His paintings are in the permanent collections of the National Gallery, the Vancouver Art Gallery and the Mendel Collection.

ELEMENTARY CERAMICS: July 22 - August 2

An introductory course designed to acquaint the student with the materials of ceramics and with an emphasis on hand-building techniques. This course would be of particular interest to teachers who work with limited facilities and who wish to enlarge the possibilities of low-fire, hand-built clay work. Consideration will be given to glazes, decorative techniques and craftsman's standards.

Classes:

Monday through Friday—10:20 a.m. - 12:20 p.m.

Place:

Pottery Hut, Youth Training Centre, University Campus.

Fee:

$15.00 plus a $3.00 Lab fee.

Instructor:

Miss Hilda Ross studied at the Winnipeg School of Art, the B.C. College of Art and, as a scholarship student, at the Chicago Art Institute. Her work has been awarded prizes in the Exhibition of B.C. Potters, the Guild Exhibition, Canadian ceramics and the Canadian Handicraft Annual.

CERAMIC WORKSHOP: August 5 - August 16

This course will place an emphasis upon individual expression and design in clay. Lectures will present an approach to ceramic form, from a two and three-dimensional viewpoint. Surface treatment, incised and applied forms, and texture, will be considered. The processes of throwing and building and the compounding of glazes and their aesthetic expression, will be dealt with. Each session will consist of discussion and individual work. The course is divided into two sections:

Classes:

Monday through Friday—Section A 10:20 a.m. - 12:20 p.m.
Section B 1:30 p.m. - 3:30 p.m.

Place:

Pottery Hut, Youth Training Centre, University Campus.

Fee:

Single section ..... $22.00 plus $3.00 Lab fee.
For both sections combined ..... 35.00 plus $6.00 Lab fee.
(Pre-registration is advised.)

Instructor:

Mr. Charles Lakofsky, Associate Professor of Art at Bowling Green State University, has studied at Alfred and Ohio State Universities. His work is in several major collections and has received many awards. Mr. Lakofsky served as juror in the 1956 Canadian Potter's Guild Exhibition, Toronto.

PAINTING FOR PLEASURE: July 2 - August 8

Painting for Pleasure is a course designed to take maximum advantage of the rich scenic resources of the University campus and surrounding area. Painting or drawing in any medium may be undertaken and instruction will be given on a personal basis. Weather permitting, all class sessions will be held in the open air.

Classes:

Tuesday and Thursday—5:30 p.m. - 7:30 p.m.

Place:

New Art Studio, Youth Training Centre, University Campus.

Fee:

$10.00.

Instructor: To be announced.

METAL WORKSHOP: July 8 - July 26

This course provides instruction in basic jewelry techniques. Work with silver, copper and enamel and the manufacture of brooches, earrings, bracelets, etc., will be undertaken.

Classes:

Monday through Friday—7:30 p.m. - 9:30 p.m.

Place:

New Art Studio, Youth Training Centre, University Campus.

Fee:

$20.00 plus $3.00 Lab fee.

Instructor:

Mr. William Reid, trained at Ryerson Institute in Toronto, and apprenticed with the Platinum Art Company. He has exhibited at the Vancouver Art Gallery, and the North West Craftsman Show in Seattle. His work is handled by the Canadian Handicrafts Guild in Montreal.

CREATIVE ART FOR CHILDREN: July 2 - August 7

The children's art programme is concerned with the total creative and mental growth of the child through art. A variety of activities such as group murals, drawing from nature, imaginative works, rhythmics and field trips provide a stimulating educational experience. Emphasis will not be placed on the development of particular skills as such, but rather on a wide introduction to art experience.

Classes:

Monday and Wednesday—10:20 a.m. - 12:20 p.m.

Place:

New Art Studio, Youth Training Centre, University Campus.

Fee:

$8.00.

Instructor:

Mr. John Dobereiner, Director of the University Department of Extension Children's Art Programme and Art teacher at Richmond High School. Mr. Dobereiner is a graduate of the Vancouver School of Art. The instructor's personality and ability have established him as a favourite among the junior artists in the Vancouver area.

SCHOLARSHIPS

There are some scholarships available to students of the arts and crafts in the following subjects: Ceramics, Painter's Workshop, Metalwork, Mosaic and Architectural Sculpture. Applications for scholarships should be accompanied by two photos of the student's work and a brief notation of training and experience. This material should be received before May 15.

COURSE FOR TEACHERS OF RETARDED CHILDREN

Once again this year the University will co-operate with the Association for Retarded Children of British Columbia in the presentation of a course for the teachers of severely mentally retarded children.

This year the course will be two weeks in length (August 5-16). It is designed for teachers and assistants in the special schools which have been established in the past few years to look after children with this handicap. We are pleased to announce that Dr. Edgar A. Doll of Bellingham, one of the recognized authorities on the continent in this field, has agreed to serve as co-ordinator and chief resource person for the course. Members of the faculty of the College of Education, visiting summer school instructors, and other authorities working in this field will be called upon as lecturers and demonstrators.

Inquiries for further information should be addressed or phoned to either the Extension Department, U.B.C., or the Association for Retarded Children of British Columbia, 625 W. 12th Avenue, Vancouver 9, DIckens 4414.

CIVIL DEFENCE COURSE

CIVIL DEFENCE COURSE FOR TEACHERS

The University is co-operating with the Office of the Provincial Civil Defence Co-ordinator in providing a general orientation course in Civil Defence. The course will be made available to a limited number of teachers during summer school.

The course will be offered from July 22 to 26, inclusive, from 3:30 to 5:00 p.m. It will consist of lectures, films, and discussions on a variety of subjects, including the following: nuclear explosions and their effects, guided missiles and ballistic rockets, fall-out problems, evacuation and escape, community and provincial organization, government services, women and civil defence.

Information about this course has been published in the Bulletin of the Department of Education.

Those who are interested in the course are requested to send their name and address to: Civil Defence Course, Extension Department, The University of British Columbia, Vancouver, by June 15.

SEMINAR ON JAPAN

Preliminary arrangements have been made for a one week seminar on various aspects of life in Japan today. The course will be co-sponsored by the Department of Asian Studies and the Extension Department. Subjects to be discussed will include the history, foreign policy, economic position, and social and cultural life of Japan. Outstanding visiting lecturers from Great Britain, the United States, Japan and Canada are expected to take part.

Detailed arrangements as to dates and programme are currently being made. The course will be held in early August at the University. Enquiries for further information may be addressed to the Extension Department after April 1.

SEMINAR ON HUMAN RELATIONS FOR RELIGIOUS ORGANIZATIONS—July 8 to July 12

This Seminar is intended to help participants become more effective in dealing with organizational problems in religious organizations, in association with those of other faiths. Problems to be considered will be decided

upon by Seminar members, and might include such topics as: developing programmes to meet needs of youth and adults, working with committees and boards, administration of personnel, and understanding one's own behaviour in groups.

This Seminar is co-sponsored by the Canadian Council of Christians and Jews and the Extension Department, University of B.C., in co-operation with a number of interested organizations.

Time: Monday through Friday, 9:00 a.m. to 3:30 p.m.

Instructors: To be announced.

PRE-SCHOOL METHODS

DEMONSTRATION COURSE IN PRE-SCHOOL METHODS—July 8 to July 26

Classes:

Monday to Friday, 10:00 a.m. to 12:00 noon; 1:00 p.m. to 3:00 p.m.

Place:

Hut 41, Acadia Camp, University Campus.

Fee:

$25.00.

Since registration must be limited, applications should be received before June 15, 1957.

Instructor:

Miss Barbara Davies, Acadia University, Nova Scotia, specialist in Pre-School Education.

This course is designed to provide instruction, demonstration and practice in the principles and methods of pre-school education. During morning sessions students will observe the instructor, assisted by two class members, working with a group of four and five-year-old children. Afternoon sessions will be lecture-discussion periods, correlated with the morning's activities. Students who have high school graduation standing will receive a certificate on successful completion of the course. This certificate will be recognized by the Welfare Institution Board of the B.C. Department of Health and Welfare. This course is also correlated with the correspondence course, Child Development and Pre-School Education, offered by the Extension Department of the University of B.C.

A refresher course for experienced supervisors may be arranged for the week of July 29 with Miss Davies as instructor.

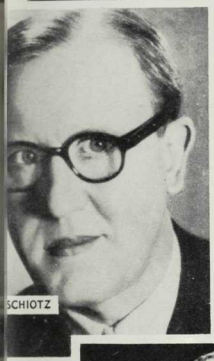
MEMORANDUM

MEMORANDUM

SOMERSET

DONALD JARVIS

NICHOLAS GOLDSCHMID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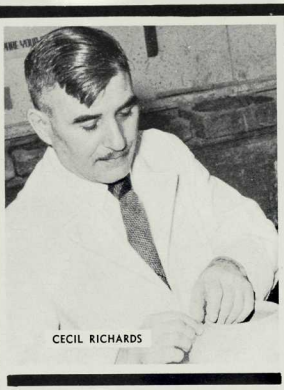
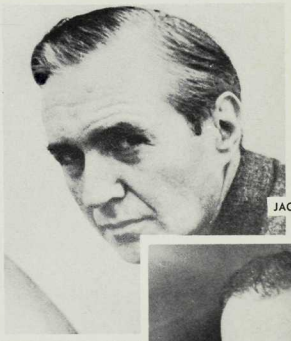

CECIL RICHARDS

IRENE POWLAN

ROBERT GILL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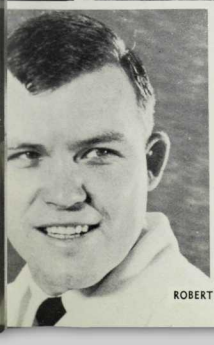
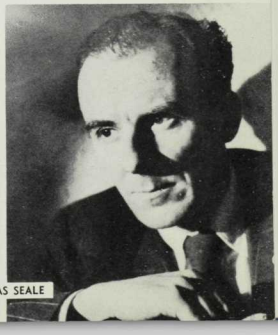

ROBERT DAVIDSON


DOUGLAS SEALE

THE UNIVERSITY OF BRITISH COLUMBI

SUMMER SESSION

1957