The University of British Columbia

ANNOUNCEMENT

OF

THE SUMMER SESSION

TWELFTH SESSION

JULY 2ND TO AUGUST 21ST, 1931

VANCOUVER, BRITISH COLUMBIA

ATTENTION IS DRAWN TO THE FOLLOWING CHANGES:

1. Registration for Examinations on Preparatory Readings. Page 3: also page 7.
2. Opening day for lectures. Page 3.
3. Date of Supplemental and Preparatory Reading Examinations. Saturday, July 4.
4. Number of units which may be taken. Page 9, section 4.

The University of British Columbia

ANNOUNCEMENT

OF

THE SUMMER SESSION

TWELFTH SESSION

JULY 2ND TO AUGUST 21ST, 1931

VANCOUVER, BRITISH COLUMBIA

TIME-TABLE OF LECTURES

MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY

8 a.m.—	Physics 1 (a) Physics 2 (a) Philosophy 1 (b)	Philosophy 4 Education 2	Economics 4	Mathematics 1 Physics 3
9 a.m.—	Chemistry 1 (a) English 2 (a) 1 Education 2	Mathematics 1 German 1 Philosophy 4	Philosophy 1 (a) Economics 4	English 1 (a) Physics 1 (b) Physics 2 (b) Physics 3
10 a.m.—	Economics 1 English 9 Chemistry 2 (a)	Education 3	English 1 (b) History 1	English 2 (a) 2 History 13 Chemistry 1 (b)
11 a.m.—	History 1 Chemistry 2 (b)	Education 3 Latin 1 (b)	English 16	English 2 (b) Economics 1
12 noon—	History 13	Latin 2 (b)	German 1	
1 p.m.—	French 1 (a) French 2 (a) French 3	Vocational Guidance	Economics 6 Biology 1 Biology 2	English 14
2 p.m.—	French 1 (b) French 2 (b) French 3	Vocational Guidance	Economics 6 Biology 1 Biology 2	English 14
3 p.m.—	Biology 1 Biology 2			

Note.—The laboratory hours in Chemistry and Physics will be arranged, so far as possible, to suit the needs of students.

A schedule of the rooms in which the above lectures are given will be posted on the bulletin board, and copies will be distributed to students at the beginning of the Summer Session.

DATES OF SUMMER SESSION

1931

MAY	
15th Friday	Last day for registration, without penalty, of students desiring to take Examinations on Preparatory Readings.
JUNE	
15th Tuesday	Last day for registration, with penalty of $2.00, of students desiring to take Examinations on Preparatory Readings.
JULY	
2nd Thursday	Last day for registration of all other students. Lectures begin at 8 a.m.
4th Saturday	Supplemental and Preparatory Reading Examinations.
7th Tuesday	Last day for changes in students' courses. Last day for payment of fees.
AUGUST	
19th Wednesday	Last day of Lectures.
20th Thursday 21st Friday	Final Examinations.

Officers and Staff

R. E. McKechnie, M.D., C.M., LL.D., F.A.C.S., Chancellor.

L. S. Klinck, M.S.A., D.Sc., LL.D., President.

Daniel Buchanan, M.A., Ph.D., F.R.S.C., Dean, Faculty of Arts and Science.

Stanley W. Mathews, M.A., Registrar.

Miss E. B. Abernethy, B.A., Assistant Registrar.

F. Dallas, Bursar.

John Ridington, Librarian.

DIRECTOR OF SUMMER SESSION FOR 1930-31
Dean Buchanan

ASSISTANT DIRECTOR FOR 1930-31
James Henderson, M.A.

(The Instructors in the various Departments will be announced later.)

ADMISSION TO THE UNIVERSITY

(Reprinted for convenience from the University Calendar)

All enquiries relating to admission to the University should be addressed to the Registrar.

1. Except under special circumstances no student under the age of sixteen is admitted to the First Year courses in the Faculty of Arts and Science, and no student under the age of seventeen to the Second Year courses in the Faculty of Arts and Science.

2. Candidates for admission to the courses in the First Year of the Faculty of Arts and Science are required to pass the Junior Matriculation Examination of the Province of British Columbia or to submit certificates showing that they have passed an equivalent examination elsewhere. Students over 18 years of age, with full "Normal Entrance" standing, who hold Normal School certificates, are admitted to the University as having full Junior Matriculation standing.

3. Students who have passed the Senior Matriculation Examination are admitted to the courses of the Second Year in the Faculty of Arts and Science. Students who have partial Senior Matriculation standing, obtained in 1927 or subsequently, will be granted credit in First Year Arts in each subject in which they have made 50 per cent. or over, or in each paper in which they have made 50 per cent. or over in so far as these papers correspond with those of First Year Arts.

4. Certificates or diplomas showing that a candidate has passed the Matriculation Examination of another University will be accepted in lieu of the Junior or Senior Matriculation Examinations if the Faculty considers that the examination has covered the same subjects and required the same standard. If, however, the examination covers some but not all of the necessary subjects, the candidate will be required to pass the Matriculation Examination in the subjects not covered.

5. *A candidate who wishes to enter by certificates other than a Matriculation certificate issued in British Columbia should submit to the Registrar the original certificates. If he wishes these returned to him, he must present also a copy of each certificate for record at the University. He should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates he holds, as these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. When an applicant's diploma or certificate does*

not show the marks obtained in the several subjects of the examination he must arrange to have a statement of his marks sent to the Registrar by the Education Department or University issuing such diploma or certificate. The fee for examination of certificates is $2.00.

6. A student of another University applying for exemption from any subject or subjects which he has already studied is required to submit with his application a calendar of the University in which he has previously studied, together with a complete statement of the course he has followed and a certificate of the standing gained in the several subjects. The Faculty concerned will determine the standing of such a student in this University. The fee for the examination of certificates is $2.00.

7. A student who has a failure in a subject of the Junior Matriculation examination standing against him will not be admitted to the Universty.

8. The Junior and Senior Matriculation Examinations of the Province of British Columbia are conducted by the High School and University Matriculation Board of the Province. This Board consists of members appointed by the Department of Education and by the University. The requirements for Matriculation may be obtained in the publication, "Requirements for Matriculation," issued by the University, or in the "Programme of Studies for the High and Technical Schools," issued by the Department of Education.

THE SUMMER SESSION

GENERAL INFORMATION

The University is situated at Point Grey, about six miles from the centre of Vancouver. The buildings, planned to meet the requirements of fifteen hundred students, provide ample accommodation for the classroom and laboratory work of the Summer Session.

There is a convenient transportation service from Vancouver. Buses operated by the B. C. Electric Railway run from the street car line at the corner of Tenth Avenue and Sasamat Street, direct to the University. The bus fare is five cents, but students will, on application, receive from the Registrar a certificate entitling them to travel at a special three-cent rate.

There is extensive boarding-house accommodation in West Point Grey within a ten minutes' ride by bus from the University. Good board and lodging can be obtained at a cost of $40.00 a month and upwards; or, separately, board at $35.00 and upwards per month, and room at from $5.00 to $10.00.

To meet the conditions under which the Summer Session is being held, the University cafeteria will serve luncheon and supper, and light refreshments throughout the day at reasonable rates. The cafeteria is situated in the Auditorium Building and possesses modern equipment for the service and convenience of patrons. The management of the cafeteria is prepared to cater to picnic and luncheon parties arranged by the students.

REGISTRATION AND ATTENDANCE

1. *No person will be admitted to a class except upon presentation of a certificate of registration.*

Students who undertake preparatory work entitling them to the maximum credit of six units in one session are required to register on or before May 15 *and pay a registration fee of* $2, *or, subject to an additional fee of* $2 *for late registration, between May* 15 *and June* 15.

If the student attends the Summer Session immediately following his registration, the registration fee of $2.00 *will apply towards the fees for that Summer Session, but in no case will the registration fee or the fee for late registration be refunded or held over for a subsequent session.*

All other students are required to register on or before the opening day of the session, but, with the exception of students seeking to remove supplementals or repeating courses in which they have failed in the Winter Session, may not register for more than four and a half or five units of credit. (*See page* 9).

A fee of two dollars ($2.00) *will be charged for late registration.*

2. All students desiring to obtain formal credit for work done in the Summer Session must, upon entrance, present evidence of Junior Matriculation standing of this Province, or its equivalent.

3. Summer Session students shall be registered as follows:

Students proceeding to a degree in due course whose Full Junior Matriculation standing has been approved shall register as *First Year* students until they have completed the 15 units of work prescribed by the Calendar.

Students proceeding to a degree in due course with Full First Year standing shall register as *Second Year* students until they have completed the Second Year in conformity with Calendar regulations.

Those students only may register as *Third or Fourth Year* students who have completed the work of the previous years in accordance with Calendar regulations.

Students who do not come under one of these classes shall register as *Partial* students.

4. Students must attend regularly the classes in a course for which they register. Those whose unexcused absences from such a course exceed one-eighth of its total number of meetings will not be credited with attendance in that course.

FEES

All cheques must be certified and made payable to "The University of British Columbia."

Fees are payable on or before July 7, otherwise an additional fee of $2.00 will be exacted.

†Minimum fee	$20.00
†For three units (at the rate of $13 for 1½ units)	26.00
†For six units	52.00
Summer Session Association	1.00

For Graduates:—

First Registration	$25.00
Each subsequent registration	2.00

---

†Note. On account of a special grant given by the Government in 1929 and in 1930 there was a reduction in the above fees. A similar grant is assured for this year, and the fees for the Summer Session of 1931 will therefore be:

Minimum fee	$17.50
For three units (at the rate of $11.50 for 1½ units)	23.00
For six units	46.00
Summer Session Association	1.00

Special fees are:—

Regular supplemental examination, per paper	$ 5.00
Special examination, per paper	7.50
Graduation	20.00

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 examinations; special examination fees must be paid when application for examination is made, and graduation fees two weeks before Congregation.

Students borrowing books from the University Library for Preparatory Reading courses, will be required to make with the Librarian the usual deposit of two dollars ($2.00) to cover mailing cost.

COURSES LEADING TO THE DEGREE OF B.A.

1. The degree of B.A. will be granted on completion of courses amounting to 60 units chosen in conformity with Calendar regulations. These regulations, to which all students proceeding to a degree must give careful attention, are fully set forth on pages 71 to 76 of the calendar for 1930-31.

2. Candidates for the degree are advised to attend at least one Winter Session, preferably that of the Fourth Year.

3. A student seeking the degree of B.A. without attending a Winter Session in his Fourth Year will be required to write, in addition to the examinations in each course, one paper in each of the two departments in which his major work has been done. These papers will be on the whole of the undergraduate's Third and Fourth Year work in those departments, and will therefore cover at least 15 units of work. (See regulation regarding Major subjects on p. 75 of the 1930-31 Calendar.)

These examinations will be held near the close of the Summer Session in which the candidate is completing the work for his degree.

4. The maximum credit for Summer Session work in any one Calendar year is six units.

For students desiring this maximum credit, preparatory readings are prescribed under the various courses and examinations thereon are held at the opening of the Summer Session. If a candidate passes the examinations on the prescribed work for courses totalling six units, he may register for those courses. If he passes on the prescribed work for courses totalling from 3 to 5 units, he may register for not more than five units, at least three units of which shall be the course or courses in which he has passed the preparatory reading examinations. If a student fails on more than three units of the preparatory reading examinations or if he does not write he may not register for more than 4½ units of work. (This preparatory work is quite distinct from the Reading Course for Fourth Year undergraduates referred to in paragraph 7.)

Students, however, seeking to remove supplementals or repeating a course in which they failed in the Winter Session, may register for 6 units of work for credit without undertaking the preliminary work.

Winter Session students, taking Summer Session courses not already attempted in the Winter Session, may not register for more than 4½ units of credit.

In no case will a candidate be granted credit for more than 6 units of work in any Summer Session, nor will he be credited with attendance at courses in excess of six units.

5. Third and Fourth Year undergraduates in Arts may take 6 units of work in Education for credit towards the B.A. degree.

6. Only two subjects (6 units) of the First or Second Year courses may be taken in the combined Third and Fourth Years. In a number of these courses extra reading will be required of Third and Fourth Year students.

When two First or Second Year subjects, other than a Beginners' Language and Language 1, are taken in the Third and Fourth years, not more than one of these subjects may be outside the departments in which the student is doing his major work.

7. Reading courses will be open to Summer Session students in the same way as to Winter Session (*i.e.*, one course not exceeding 3 units in the Fourth Year, subject to the approval of the department concerned). A Summer Session student will be deemed to be in his Fourth Year when he has completed his First and Second Year and 15 units of credit in Third and Fourth Year subjects.

8. Reading courses will be open only to students who are proceeding to a B.A. degree by Winter Session or Summer Session at this University (except, as at present, to M.A. candidates).

9. Late afternoon and Saturday morning classes to be held at the University may be arranged, and, if so, may be taken for credit by students proceeding to the B.A. degree, who are at least 18 years of age and who have completed Senior Matriculation or First Year Arts.

10. The maximum credit for work other than that of the regular Summer and Winter Sessions may not exceed 15 units subsequent to Senior Matriculation or First Year Arts, nor 3 units in any one academic year.

11. Extra-mural work done at other universities prior to registration at this University may be accepted if approved by Faculty, but may not exceed the total number of units of credit obtainable at this University without attendance at either Winter or Summer Session.

12. If credit is granted for extra-mural work taken elsewhere, the total amount of work which the student concerned may take at this University without attendance at a Winter or Summer Session will be correspondingly reduced.

13. No credit will be granted for extra-mural work done at other universities in the same academic year in which any work has been attempted at this University, whether in the Summer Session or in the Winter Session or by Reading Courses or Afternoon and Evening classes.

Courses which count towards an Honours B.A. degree or the M.A. degree in the Winter Session will be allowed equivalent credit in the Summer Session.

EXAMINATIONS AND ADVANCEMENT

1. At the close of the Summer Session examinations are held in all of the courses for which credit is given. Examinations in other courses may be given at the discretion of the instructor.

2. The passing mark on each paper is 50 per cent. Credit, however, will not be granted for any part of a course until the whole course has been completed. Part courses in different subjects may not be combined.

3. Students attending Afternoon and Evening classes will be tested by the ordinary Winter Session examinations.

4. In any course which involves both laboratory work and written examinations, students may be debarred from examination if they fail to present satisfactory results in laboratory work, and they will be required to pass in both parts of the course.

5. Supplemental examinations may be granted by Faculty to Summer Session students in the subject or subjects in which they have failed, but a student obtaining less than 30 per cent. in a subject will not be granted a supplemental in that subject.

6. A request for the re-reading of an answer paper must be forwarded to the Registrar WITHIN FOUR WEEKS after the results of the examinations are announced. Each applicant must state clearly his reasons for making such a request in view of the fact that the paper of a candidate who makes less than a passing mark in a subject is read at least a second time before results are tabulated and announced. A re-reading of an examination paper will be granted only with the consent of the Head of the Department concerned. The fee for re-reading a paper is $2.00.

7. If a student fails in two supplementals or special examinations in respect of the same Summer Session course, no further supplemental or special examination will be granted to that student in respect of that course.

8. Special examinations may be granted by special permission of Faculty, but may not be taken before the third week in October of the year in which the Summer Session was attended.

9. Supplemental and Special examinations will be granted to students attending Afternoon or Evening classes on the conditions governing Summer Session examinations.

GENERAL SCHEME OF COURSES

The following outline is printed with a view to assisting students of the Summer Session in the planning of their courses over a two-year period or longer. In so far as possible, courses will be offered according to this schedule. Any of the following courses may be withdrawn, however, or other courses in place of these, or in addition to these, may be given. In planning a sequence of courses leading to a degree, students are also referred to the regulations in the calendar.

Courses Offered *Annually*	Units	Courses Offered in 1931 and *Alternate* Years	Units	Courses Suggested for 1932 and *Alternate* Years	Units
Biology 1 (a)	1½	Biology 2	3		
Biology 1 (b)	1½				
Chemistry 1	3	Chemistry 2 (a)	1½		
		Chemistry 2 (b)	1½		
Economics 1	3	Economics 4	3	Economics 2	3
		Economics 6	3	Economics 3	3
Education 2 (a)	1½	Vocational Guidance —70 hours To be self-supporting. Not intended for students seeking academic credit. Course acceptable to Provincial Department of Education as equivalent to other 3 unit courses. No University credit.		Education 1 Education Supervision or Methods in High School Subjects. (No University credit.)	3
Education 2 (b)	1½				
Education 3 (a)	1½				
Education 3 (b)	1½				
English 1 (a)	1	English 9	1½	Two of English 10, 13, 14, 17, 19	1½ each
English 1 (b)	2	English 16	1½		
English 2 (a)	2	English 14	3		
English 2 (b)	1				
French 1	3	French 3 (a)	3		
French 2	3				
		German 1	3	Beginners' German	3
History 1	3	History 13	3	History 19	3
Latin 1 (b)	1½			Latin 1 (a)	1½
Latin 2 (b)	1½			Latin 2 (a)	1½
Mathematics 1 (a)	1			Mathematics 2 (a)	1
Mathematics 1 (b)	1			Mathematics 2 (b)	1
Mathematics 1 (c)	1			Mathematics 2 (c)	1
Philosophy 1 (a)	2	Philosophy 4	3	Philosophy 8	3
Philosophy 1 (b)	1			Philosophy 9 (a)	1½
				Philosophy 9 (b)	1½
Physics 1	3	Physics 3	3	Physics 4	3
Physics 2	3				

COURSES OF STUDY

NOTE 1.—The attention of students is drawn to the preparatory readings which follow the outline of each course, and to the regulations pertaining to the number of units for which a student may register. (See page 9.)

Preparatory Reading Examinations will be held on Saturday, July 4, 1931, beginning at 8 a.m.

NOTE 2.—The courses listed below are divided into "half-courses" or otherwise only as stated. Divisions of other three-unit courses, however, may be made for candidates who already have a "half-course" to their credit in any particular subject.

NOTE 3.—By a ruling of the Board of Governors, a class may not be offered for fewer than 18 students. It is anticipated that the number registering for Chemistry 2, German 1, and Physics 3, will be small. None of these courses will be offered unless at least 18 students notify the Director by May 15 of their intention of taking it. Immediately after that date a statement as to whether or not these courses will be offered will be sent to all students concerned.

Biology

1. *General Biology.*

Text-book: Smallwood, *A Text-book of Biology,* Lea & Febiger.

1 (a). Three lectures and two laboratory periods a week.

1½ units.

1 (b). Three lectures and two laboratory periods a week.

1½ units.

Note: The summer course in parts (a) and (b) may be taken concurrently, and together constitute the equivalent of Biology 1. No academic credit will be given until both parts of this course have been completed.

Preparatory reading: The attention of students is drawn to the University requirements for Senior Matriculation. Material available in the text-book on the topics listed in the Senior Matriculation requirements should be reviewed for examination purposes.

2. (a) *Principles of Genetics.*—The fundamentals of Genetics illustrated by the race histories of certain plants and animals; the

physical basis of heredity; variations; mutations; acquired characters; Mendel's law with suggested applications.

Text-book: Castle, *Genetics and Eugenics,* Harvard Press.

Prerequisite: Biology 1.

2. (b) *Principles of Genetics.*—A continuation of the studies of genetic principles with suggested applications. A lecture and laboratory course. The laboratory work will consist of problems, examination of illustrative material and experiments with Drosophila.

Text-book: Sinnott and Dunn, *Principles of Genetics,* McGraw-Hill.

Five lectures and five laboratory periods a week. 3 units.

Preparatory reading: Castle, *Genetics and Eugenics,* Chapters 1-25.

Chemistry

1. Five lectures and two laboratory periods of three hours a week.

Text-book: *General Chemistry,* Kendall, 1927 ed., Century Co.

Preparatory reading recommended: Kendall's *General Chemistry,* the first twenty-three chapters.

*2 (a). Two lectures and three laboratory periods of five hours each per week. 1½ units.

*2. (b). Two lectures and three laboratory periods of five hours each per week. 1½ units.

Text-book: A. A. Noyes, *Qualitative Analysis,* MacMillan Co. Cumming & Kay, *Quantitative Analysis,* Gurney & Jackson.

The completion of parts (a) and (b) will entitle the student to credit in Chemistry 2. No academic credit will be given until both parts of this course have been completed.

Preparatory reading: Chapters XVII, XVIII and XXXIII to XLIX, inclusive, of Smith's *College Chemistry* must be carefully reviewed.

Economics

1. *Principles of Economics.* An introductory study of general economic theory, including a survey of the principles of value, prices, money and banking, international trade, tariffs, monopoly, taxation, labour and wages, socialism, the control of railways and trusts, business fluctuations, etc.

*See Note 3, Page 13.

Preparatory reading: *Economics for the General Reader,* Clay. *Economics for Canadian Readers,* McGibbon.

References: *Principles of Economics,* Marshall. *Principles of Economics,* Taussig. *Principles of Political Economy,* Nicholson.

Texts: Rufener, *Principles of Economics. The Canada Year Book* 1930.

Economics 1 is the prerequisite for all other courses in the department, but may be taken concurrently with Government 1.

10 hours a week. 3 units.

4. *Money and Banking.* The origin and development of money. Banking principles and operations, laws of coinage, credit, price movements, foreign exchange. Banking policy in the leading countries, with particular reference to Canada.

Preparatory reading: Angell, *The Story of Money,* Stokes. Robertson, *Money,* Cambridge Economic Handbooks.

Texts: Holdsworth, *Money and Banking,* Appleton. Edie, *Money, Bank Credit and Prices,* Harpers; and assigned readings.

Ten hours a week. 3 units.

6. *International Trade and Tariff Policy.* A survey of the theory of international trade and the foreign exchanges; the balance of trade, foreign investments and other fundamental factors; the problem of Reparations and of War Debts; the protective tariff and commercial imperialism; the commercial policy of the leading countries, with considerable attention to Canada.

Preparatory reading: Laureys, *The Foreign Trade of Canada,* Macmillan.

References: Taussig, *International Trade,* Macmillan. Taussig, *Selected Readings in International Trade and Tariff Problems,* Ginn. Fraser, *Foreign Trade and World Politics,* A. A. Knopf. Litman, *Essentials of International Trade,* John Wily & Sons; and assigned readings.

Texts: Griffin, *Principles of Foreign Trade,* Macmillan.

Ten hours a week. 3 units.

Education

1. *Introduction to the Study of Education.* (Given in 1932.) This course is intended to serve as a broad orientation. The following topics, among others, will be studied: General and specific objectives; courses of study; methods of harmonizing social and individual needs; provincial and local organization; constituent parts of the public school system; administration and supervision of schools; classroom management; the learning process; problems of classification and promotion; educational and vocational guidance;

educational agencies other than the school; special rural and urban problems; recent developments in Canada, Europe, and U.S.A.; the development of a science of education.

Text: Cubberley, *Introduction to the Study of Education.*

References: Thorndike and Gates, *Principles of Education,* Macmillan; Smith, *Principles of Educational Sociology* (Revised Edition), Houghton Mifflin; Norwood, *The English Tradition in Education;* Clapp, Chase and Merriman, *Introduction to Education,* Ginn & Co.; *The British Columbia School Survey;* Readings from Year Books and Educational Journals.

Preparatory reading: Smith, *Principles of Educational Sociology,* Chapters I-XI, inclusive.

10 hours a week. 3 units.

2. *Elementary Educational Psychology.*

A survey of the field of psychology as applied to education. The following topics, among others, will be considered:

Heredity and environment, stages of growth, individual differences, the learning process, efficient study, transfer of training, work and fatigue, psychology of the elementary and high school subjects.

Texts: Sandiford, *Educational Psychology,* Longmans, Green & Co. Reed, *Psychology of Elementary School Subjects,* Ginn & Co.

References: Gates, *Elementary Psychology* (Revised Edition), Macmillan. Freeman, *The Psychology of the Common Branches.* Brooks, *Psychology of Adolescence,* Houghton Mifflin. Pintner, *Educational Psychology,* Holt. Jordan, *Educational Psychology,* Holt. Judd, *Psychology of Secondary Education,* Ginn & Co. Skinner, Gast, Skinner, *Readings in Educational Psychology,* Appleton.

Preparatory reading: Sandiford, *Educational Psychology,* Chapters I-VIII, inclusive.

10 hours a week. 3 units.

3. *History and Principles of Education.*

The meaning and philosophic basis of education will be approached through a study of the great educational reformers and movements of the classical, mediaeval, and modern periods, special attention being given to educational developments since 1800.

The above survey will be followed by a study of modern educational tendencies in British Columbia, Ontario, England, the United States, France, and Germany.

Texts: Cubberley, *A Brief History of Education,* Houghton Mifflin Co. Chapman & Counts, *Principles of Education,* Houghton Mifflin Co. Reisner, *Nationalism and Education,* Macmillan.

References: Cubberley, *Readings in the History of Education,* Houghton Mifflin Co. Graves, *Great Educators of Three Centuries,* Macmillan. Boyd, *A History of Western Education,* Black & Co. Woodburne, *Human Nature and Education,* Oxford University Press. Williams & Rice, *Principles of Secondary Education,* Ginn & Co. Peters, *Foundations of Educational Sociology,* Macmillan. Judd, *The Psychology of Social Institutions,* Macmillan. Sandiford (editor), *Comparative Education,* Dent & Sons.

Preparatory reading: Cubberley, *A Brief History of Education,* Chapters I-IX, inclusive.

10 hours a week. 3 units.

NOTE.—Arrangements may be made to divide each of Education 2 or Education 3 into two sections, each section counting 1½ units.

Vocational Guidance.

A course in Vocational Guidance, to be given by an educationist actively engaged in this field, may be offered, provided that a sufficient number of students register and pay their fee by March 15, 1931. A 70-hour course. Not for University credit. The Provincial Department of Education accepts this course as the equivalent of 3 units towards the Academic Certificate. (Fees will be refunded in case a sufficient number of students do not register.)

English

1 (a). *Literature.* Elementary study of a number of literary forms to be chosen from the short story, the play, the novel, the essay, the simpler sorts of poetry.

Text-books: A book of short stories to be selected. Euripides, *Bacchae,* in Gilbert Murray's paraphrase. Shakspere, *Julius Caesar.* Sheridan, *The School for Scandal,* Everyman. Ibsen, *A Doll's House,* Everyman. *The Golden Book of Modern English Poetry,* Dent.

5 hours a week. 1 unit.

Preparatory reading: The plays listed above.

1 (b). *Composition.* Elementary forms and principles of composition; expository themes; study of models.

5 hours a week. 2 units.

Preparatory reading: The chapters on words, sentences and paragraphs in Pence, *College Composition,* Macmillan.

The completion of Parts (a) and (b) will entitle the student to credit in English 1. No academic credit will be given until both parts of this course have been completed.

2 (a). *Literature.* Studies in the history of English Literature.

First Part: Lectures and texts illustrative of the chief authors and movements from Tottel's Miscellany to 1700.

5 hours a week.

Second Part: Lectures and texts illustrative of the chief authors and movements from 1700 to the death of Shelley.

5 hours a week.

These parts must be taken together in the same session, except by students who have already done one of them.

Text-books: Neilson and Thorndike, *A History of English Literature.* Other texts to be assigned in class.

NOTE.—A detailed list of the reading for English 2 (a) cannot be given here, but students who propose taking the course are assigned the following preparatory readings: Shakspere, *Hamlet, Henry IV,* Part 1, *Macbeth;* Milton, *Paradise Lost,* Bk. 1; Pope, *Rape of the Lock;* Goldsmith, *Deserted Village;* Scott, *Old Mortality;* Jane Austen, *Pride and Prejudice.*

2 units.

2 (b). Narrative and descriptive themes; the writing of reports.

3 hours a week. 1 unit.

No preparatory reading.

The completion of (a), both parts, and (b) will entitle the student to credit in English 2. No academic credit will be given until the whole course has been completed.

9. *Shakspere.* A detailed study of the text of *A Midsummer Night's Dream, Othello, The Tempest.*

Preparatory reading: The texts of the plays listed above, and *The Facts About Shakespeare,* by Neilson & Thorndike, Macmillan.

5 hours a week. 1½ units.

14. *English Literature,* 1660 *to* 1800.

(a). The transition and the early Augustans, 1660-1714.
5 hours a week. 1½ units.

(b). The later Augustans and the precursors of Romance.
5 hours a week. 1½ units.

Preparatory reading: Legouis & Cazamian, *A History of English Literature,* new edition in one volume, Macmillan. Part II, Books 1-4.

17. *Victorian Poetry.* The later Victorians.

Preparatory reading: The life of William Morris, and his poetry as given in Page's *British Poets of the Nineteenth Century,* Sanborn (revised edition).

5 hours a week. 1½ units.

French

1. Review of the essentials of French grammar and syntax applied to the correct writing of French.

Text-books: Victor Hugo, *Prose et Poésies* (Wilson Green), Cambridge. Molière, *Les Précieuses Ridicules,* Longmans. Composition from Kastner & Marks, *French Composition,* Part 1.

Preparatory reading: Ashton, *A Preface to Molière,* Longmans, pages 1-101. Bernardin de Saint-Pierre, *Paul et Virginie,* Hatier.

10 hours a week. 3 units.

2. Exercises in French on the text read, written résumés and original composition in French.

Text-books: Faguet, *Ce que disent les livres,* Cambridge. La Fontaine, *One Hundred Fables,* Ginn. Molière, *Les Femmes Savantes,* Didier. Composition from Kastner & Marks, *French Composition,* Part 1.

Preparatory reading: Ashton, *A Preface to Molière,* Longmans, pages 101 to end. Vigny, *Servitude et Grandeur Militaires,* Hatier. Wilson & Jaccard, *A First French Prose Composition,* Bell.

10 hours a week. 3 units.

3. (a) *The Literature of the Age of Louis XIV.*—Lectures on the history and social conditions of the period, and on the development of the literature. Careful reading and discussion of the following texts: Corneille, *Le Cid,* Manchester Univ. Press. Racine, *Andromaque,* Didier. Molière, *Le Misanthrope,* Didier; *Le Tartuffe,* Heath.

Preparatory reading: Stewart and Tilley, *The Classical Movement,* Camb. Univ. Press. Ashton, *Molière,* Routledge.

10 hours a week. 3 units.

*German 1

Revision and completion of Zinnecker, *Deutsch für Anfänger,* Heath.

Reading texts: Von Hillern, *Höher als die Kirche,* Scribner. Diamond and Uhlendorf, *Mitten in Leben,* Holt. Bruns, *Book of German Lyrics,* Heath.

*See Note 3, Page 13.

Preparatory work: Review of exercises 1-30 in Zinnecker.

Haertel, *German Reader for Beginners,* Ginn.

10 hours a week. 3 units.

History

1. *Main Currents in Modern History.* This course begins with the Waning of the Middle Ages and ends with the League of Nations and Post-War Problems.

Texts: Higby, *History of Europe* (1492-1815); Schapiro, *Modern and Contemporary European History,* or Hayes, *Political and Social History of Modern Europe,* Vol. II (1815-1924).

Preparatory reading: Benians, *Renaissance to Revolution;* Fisher, *Napoleon;* Bruun, *The Enlightened Despots.*

10 hours a week. 3 units.

13. *The Age of the Renaissance and Reformation.*

Text-books: Hudson, *The Story of the Renaissance;* Hulme, *The Renaissance and Reformation.*

Preparatory reading: Froude, *Life and Letters of Erasmus;* Merejkowski, *The Romance of Leonardo da Vinci;* Packard, *The Commercial Revolution.*

10 hours a week. 3 units.

Latin

1 (a). Livy, *Book XXV,* Monro, Oxford Press. Bradley, *Arnold's Latin Prose Composition,* Longmans, Green, exercises 1-9. Robertson and Robertson, *The Story of Greece and Rome,* Dent, chapters 1-19.

Preparatory reading: Bradley, *Arnold's Latin Prose Composition,* introduction (pages 1-30) and exercises 1-3. Robertson and Robertson, *The Story of Greece and Rome,* chapters 1-19.

5 hours a week.

Given in 1932.

1 (b). Ovid, *Elegiac Selections,* Smith, Bell. Bradley, *Arnold's Latin Prose Composition,* exercises 10-19. Robertson and Robertson, *The Story of Greece and Rome,* chapters 20-32.

Preparatory reading: Ovid, *Elegiac Selections,* to page 26. Bradley, *Arnold's Latin Prose Composition,* introduction (pages 1-30) and exercises 10-13. Robertson and Robertson, *The Story of Greece and Rome,* chapters 20-32.

5 hours a week. 1½ units.

Given in 1931.

The completion of parts (a) and (b) will entitle the student to credit in Latin 1. No academic credit will be given until both parts of this course have been completed.

2 (a). Cicero, *Pro Archia,* Nall, Macmillan. Horace, *Odes II,* Page, Macmillan. *Roman History.* Robertson and Robertson, *The Story of Greece and Rome,* Dent, chapters 33-45.

Preparatory reading: Cicero, *Pro Archia.* Robertson and Robertson, *The Story of Greece and Rome,* chapters 33-45.

5 hours a week.

Given in 1932.

2 (b). Virgil, *Aeneid,* Book VI., Page, Macmillan. Robertson and Robertson, *The Story of Greece and Rome,* chapters 46-54.

Preparatory reading: Virgil, *Aeneid,* Book VI, lines 1-336. Robertson and Robertson, *The Story of Greece and Rome,* chapters 46-54.

5 hours a week. 1½ units.

Given in 1931.

The completion of parts (a) and (b) will entitle the student to credit in Latin 2. No academic credit will be given until both parts of this course have been completed.

Mathematics

1 (a). *Algebra.* Three hours a week, at 8 a.m.

Text-book: Wilson & Warren, *An Intermediate Algebra,* (Chapters I to XV), Oxford. 1 unit.

1 (b). *Geometry.* Three hours a week, at 9 a.m.

Text-book: Nowlan, *Analytical Geometry* (Preliminary chapters). 1 unit.

1 (c). *Trigonometry.* Four hours a week, at 8 a.m. and 9 a.m.

Text-book: Playne & Fawdry, *Practical Trignometry,* Copp Clark. Wentworth & Hill, *Tables,* Ginn. 1 unit.

The completion of the three above courses will entitle the student to credit in Mathematics 1. No academic credit will be given until the three parts of this course have been completed.

Preparatory reading:

Algebra: Text, Chap. 1, Sections 10 to 18 inclusive, Chapters II and IV.

Geometry: Text, Chapters I and II.

Trigonometry: Text, Chapters II and III.

Philosophy

1 (a). *General Psychology.*

(a) Outline of the subject; specialized fields of psychology.

(b) An outline description of the nervous system; mental development in relation to the development of the nervous system.

(c) A study of the principal phenomena of mental development and an analysis of the special mental functions, sensation, perception, imagination, memory, etc.

(d) A study of instincts, innate tendencies and emotions.

(e) Development of habits.

(f) Development of personality.

Text-book: Warren, *Elements of Human Psychology,* Houghton Mifflin.

Preparatory reading: Warren, *Elements of Human Psychology* —the chapters on Physiological Psychology.

Reference: Woodworth, *Psychology.*

6 to 7 hours a week, at 8 and 9 a.m. 2 units.

1 (b). *Logic.*

Text-book: Mellone, *Introductory Text-Book of Logic,* Blackwood (latest edition).

Preparatory reading: Pages 1 to 70 of the text-book.

3 to 4 hours a week, at 8 a.m. 1 unit.

The completion of the two above courses will entitle the student to credit in Philosophy 1.

4. *The History of Philosophy from the Renaissance to the Present Time.*

Text-book: Alexander, *A Short History of Philosophy,* Macmillan.

Works of reference: Rand, *Modern Classical Philosophers,* and the various Histories of Philosophy.

10 hours a week. 3 units.

Preparatory reading: Pages 173 to 271 of the text-book.

Physics

The First Year Physics has been divided into two courses, 1 and 2, so as to conform with the Winter Session requirements.

The same lectures will be given to the two groups, but a diff-

erent examination will be given and some distinction will be made in laboratory and other assigned work.

1 (a). *Mechanics, Properties of Matter and Heat.*

Five lectures and two two-hour laboratory periods per week.

1 (b). *Sound, Light and Electricity.*

Five lectures and two two-hour laboratory periods per week.

The above courses are the equivalent of *Physics* 1 in the University Calendar, and are open to students who have *not* obtained Matriculation standing in Physics. 1 (a) and 1 (b) may be taken concurrently.

Text-book: Stewart, *A Text-book for Colleges,* Ginn & Co.

References: Millikan, Gale & Pyle, *Elements of Physics,* Ginn & Co. Watson, *A Text-Book of Physics,* Longmans & Co.

3 units.

2 (a). *Mechanics, Properties of Matter and Heat.*

Five lectures and two two-hour laboratory periods per week.

2 (b). *Sound, Light and Electricity.*

Five lectures and two two-hour laboratory periods per week.

The above courses are the equivalent of *Physics* 2 in the University Calendar, and are open to students who have passed the Matriculation examination in Physics. 2 (a) and 2 (b) may be taken concurrently.

Text-book: Stewart, *A Text-book for Colleges,* Ginn & Co.

References: Watson, *A Text-book of Physics,* Longmans & Co. Edser, *General Physics for Students,* Macmillan & Co.

3 units.

*3. *Mechanics, Molecular Physics and Heat.* A study of the statics and dynamics of both a particle and a rigid body, the laws of gases and vapors, temperature, hygrometry, capillarity, expansion, conductivity and calorimetry.

Text-books: Loney, *Mechanics and Hydrostatics,* Cambridge University Press; Draper, *Heat and the Principles of Thermodynamics,* Blackie & Sons.

Prerequisite: Physics 1 or 2.

Six lectures and two four-hour laboratory periods per week.

3 units.

Preparatory reading:

Physics 1 (a). *Stewart,* Sections 1, 2, 3, 4, 5, 6, 12, 15, 16, 17, 18, 19, 21, 22, 23, 32, 35, 36, 37, 38, 39, 40, 49, 50, 51, 52, 80,

*See Note 3, Page 13.

81, 91, 92, 158, 159, 160, 161, 183, 184, 186, 193, 194, 202, 222, 223, and Chapter XXII.

Students are advised to work the problems at the end of each chapter.

Physics 1 (b). Review all work on Mechanics, Properties of Matter and Heat, and also Sections as follows: 340-361; 369-390; 396; 398-406; Chapter XXXVIII; 557-566.

Students are advised to work the problems at the end of each chapter.

Physics 2 (a) *Stewart,* Sections 1, 2, 3, 4, 5, 6, 12, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 32, 35, 36, 37, 38, 39, 40, 41, 49, 50, 51, 52, 80, 81, 91, 92, 158, 159, 160, 161, 183, 184, 185, 186, 193, 194, 195, 202, 222, 223, 260, 264, 265, and Chap. XXII.

Students are advised to work the problems at the end of each chapter.

Physics 2 (b). Review all work on Mechanics, Properties of Matter and Heat, and also the following sections: 369-397; 398-406; Chapter XXXVIII; 557-566.

Students are advised to work the problems at the end of each chapter.

Physics 3. Loney, chapters 1 to 8 inclusive; Draper, chapters 1 to 8 inclusive.

References: Milliken, *Mechanics, Molecular Physics and Heat,* Ginn; Watson, *A Text-book of Physics,* Longmans.

LIST OF STUDENTS IN ATTENDANCE
SUMMER SESSION, 1930

PARTIAL STUDENTS

Adcock, Lesley E.....Coronation, Alta.
Bauer, Ewald A.....Lacombe, Alta.
Beveridge, John C.....Vancouver
Casey, C. Harry.....Battleford, Sask.
Clarke, W. Douglas W.
New Westminster
Cooper, Marguerite F...Honolulu, T.H.
Darling, Elizabeth.....Vancouver
Farrow, M. Joyce.....Vancouver
Fraser, Frances M.....Vancouver
Harris, Lela .....Steveston
Hinton, Arthur C.....North Vancouver
Hutson, Edith M.....Vancouver
Kabalkin, Yascha .....Harbin, China
Jui, Kwan Wung.....Shanghai, China
Leech, Hugh B. .....Salmon Arm
Low, C. Bruce.....Victoria
Madorsky, Leo B. .....Vancouver
Malkin, Philip L.....Vancouver
Moren, Frances.... ....Oldham, England
McGechaen, John .....West Vancouver
Pinsky, Paul.....Harbin, China
Prevey, Ruth B. .....Edmonton, Alta.
Pullinger, Percy.....Vancouver
Rosenzveig, David....Shanghai, China
Seymour, Violet L.....Calgary, Alta.
Solovey, Irving .....Harbin, China
Spurrier, Robert H...London, England
Stinson, Mrs. Nellie M...Lindsay, Ont.
Temple, Roy H. .....Victoria
Witzke, Clara L.....La Grange, Ill.
Wodehouse, Laura E.....Yonkers, N.Y.
Yamazaki, Tsutomu.....Vancouver

First Year

Allan, Lawson M. .....Vancouver
Anderson, Bruce B.....Vancouver
Bailey, Margaret C. .....Vancouver
Bain, Margaret.....Mission City
Barritt, Kathleen.....Chilliwack
Bayley, Charles M.....Vancouver
Beamish, Ethel A...New Westminster
Beck, Annie M. .....Nanaimo
Beckett, Kenneth M. .....Vancouver
Bennett, Frances C.....Kamloops
Bickell, D. Earl.....Calgary, Alta.
Bingham, M. Kathleen .....Kamloops
Bischoff, Harold D.
Hilversum, Holland
Black, Jean M.....Vancouver
Bournes, Ellen E.....New Westminster
Boyd, Ian D.....Vancouver
Bradley, Harold J.....Esquimalt
Breger, Florence .....Vancouver
Brown, Mary B. .....Kamloops
Brundrett, Lyla I.....Vancouver
Burd, Marion.....Vancouver
Campbell, Nora M...Hopkins Landing
Caspell, Edmund V. .....Vancouver
Cianci, Vito .....Vancouver
Clark, Agnes B. M.....Vancouver
Cliffe, Harold L. .....Comox
Cline, Bernice E. .....Vancouver
Clugston, A. Lois .....Vancouver
Collins, Margaret L.....Bowen Island
Cook, Leighton J.....Nelson
Cook, Mary C.....Vancouver
Creamer, William....New Westminster
Crosson, Thelma M. .....Vancouver
Crowder, Joseph N.....Vancouver
Cumming, Phyllis R.....Vancouver
Cunningham, Rita M. .....Nanaimo
Davis, Violet A.....Ladysmith
Devlin, James.....Nanaimo
Dick, Jean M.....Vancouver
Drake, Mae.....Vancouver
Driscoll, Mother Anna.....Vancouver
Duncan, William S.....Vancouver
Evans, Eldred K.....Vernon
Fairley, Helen E.....Vancouver
Farina, Pauline M.....Kamloops
Ferguson, George.....Ladysmith
Ferguson, Hugh C.....Nanaimo
Ferguson, John C.....Chilliwack
Ferguson, Margaret B. M.....Nanaimo
Fernlund, H. Bertil.....Vancouver
Frankforth, Evelyn.....Vancouver
Fraser, Dorothy P. .....Penticton
Gall, Mary T.....Nanaimo
Gilholm, Eva H. .....Vancouver
Girling, A. M. Louise.....Vancouver
Girling, H. Frances H. .....Vancouver
Goddard, Ernest A. .....Ocean Falls
Grant, Louis S.....Vancouver
Gray, Margaret A...New Westminster
Green, M. Bertha .....Agerton
Grimwood, Annie A.
New Westminster
Groves, Philip S.....Vancouver
Hargitt, William .....Vancouver
Harley, Margaret B.
North Vancouver
Henderson, Mrs. Ada L.....Vancouver
Herbert, Ruth E.....Vancouver
Heron, W. W. Leslie.....Vancouver
Hill, Victor R. .....Vancouver
Hoffman, Marjorie E.....Vancouver
Hoghen, F. May.....
Hope, Dorothy A.....North Vancouver
Immel, Florence M.....Chilliwack
Inouye, Kuramitsu.....Vancouver
Jacquot, Marjory D.....Vancouver
Jantz, Leo.....Trail
Johnson, Guy A. .....Penticton
Keenleyside, E. W. Irvine..Vancouver
Keir, M. Isabel....Opportunity, Wash.
Kimola, Vieno C.....Albion
King, Geneva E.....Ainsworth
Kinley, Lois E.....Vancouver
Kirkpatrick, John A. .....Vancouver
Kuoppala, Elsie M.....Carlin
Larsen, Jack .....Vancouver
Lee, T. Kong.....Vancouver
Leversage, Gordon A...Prince George
Lockhart-Smyth, Aileen C.
North Vancouver
Love, D. S. Wallace.....Riondel
Lovick, A. Wyndiatte.....Vancouver
Lovick, James E. H.....Vancouver
Lowther, David H. H.....Chilliwack
Lydiatt, Walter M.....Vancouver
Mansfield, Tom.....New Westminster
Marett, Verna.....Vancouver
Martello, Fred J. .....Kimberley
Martin, M. Constance .....Nelson
May, Patricia M. .....Victoria
Meilicke, Charlotte B. .....Vancouver
Menelaws, Catherine.....Vancouver
Mess, Adalina L.....Bredenbury, Sask.
Millard, Christine R.....Courtenay
Mitchell, Ellen deB.
North Vancouver
Moore, John H.....North Vancouver
Mountain, Roy E. .....Milner
Muir, Margaret I. .....Vancouver
MacBeth, Viola.....Vancouver
McConnachie, Mae T. W.....Vancouver
McDiarmid, Margaret P.....Vancouver
McDonald, J. Agnes .....Vancouver
McDonald, Robert S.
New Westminster
McKeown, William..New Westminster
McKie, Marion C.....Vancouver
MacNab, Chrissie F. M.
Royal Oak, V. I.
MacNaughton, Daniel .....Rossland
McNish, J. Garnet.....Chilliwack

First Year—(*Continued*)

McPherson, Ellen M.....Grand Forks
MacSween, Allan J...North Vancouver
Newman, Mitchell E.....Hazelton
Nicholson, Caroline.....Vancouver
Nixon, M. Isabel .....Kamloops
North, Jeanne S.....New Westminster
Oliver, Ruth B. .....Vancouver
Olson, Hilda E.....Sooke, V. I.
Olund, Anna V.....Mount Lehman
Owen, Gladys W.....Vancouver
Penny, Hollis J.....Vancouver
Pickles, Martha D. L...Denman Island
Potter, Elsie .....Vancouver
Potter, Robert G.....Vancouver
Prescott, Anne .....Salmon Arm
Putnam, Margaret I.....Vancouver
Quinan, Mother Josephine..Vancouver
Redhead, Eleanor.....Esquimalt
Ritchie, Thomas H.....Banff, Alta.
Ross, Alex. D.....Vancouver
Rutherford, Jessie I. .....Summerland
Sanders, Elsie K.... North Vancouver
Sanders, John L. .....North Vancouver
Scholefield, Daphne O. E.....Victoria
Scholefield, Marguerite E. G.
Victoria
Schooley, Jennie.....Vancouver
Shannon, A. Jean .....Kamloops
Simpson, Hugh E.
Port Angeles, Wash.
Skinner, F. Leslie....Saskatoon, Sask.
Spearing, Lawrence F.....Vancouver
Sproat, Enid J. .....North Vancouver
Stevenson, J. Arthur .....Vancouver
Stevenson, Mary L.....Vancouver
Stewart, Minnie M.....Nanaimo
St. John, David M.....Vancouver
Terry, Joseph S.....Vancouver
Thomas, A. Megan .....Vancouver
Thomas, David J.....Vancouver
Thompson, B. Ruby .....Vancouver
Thomson, Betty .....Vancouver
Timmins, Joseph.....Nanaimo
Tingley, Myrtle .....Vancouver
Tweed, Reginald C. R.
Cochrane, Alta.
Vogel, Henry E.....Enderby
Wakefield, Edward F.
Grayburn, Sask.
Watson, Pearl M. J.....Vancouver
Welch, Mary C. .....Blind Bay
West, Norman E.....Salmon Arm
White, John E.....Vancouver
Whitelaw, William B. .....Vancouver
Wilson, Ernestena.....Vancouver
Woodman, S. Eric....North Vancouver
Wright, Rika L.....Vancouver

Second Year

Alder, Harold E. .....Victoria
Alsbury, Albert T.....Vancouver
Anderson, Gordon M. .....Vancouver
Balkwill, Mildred C.....Vancouver
Bate, Shirley C. .....Vancouver
Bauld, Ella W. M.....Ladysmith
Bell, Ralph K. .....Kamloops
Bennett, Thomas E.....Lavington
Bowbrick, John T. .....Nanaimo
Boyes, W. E.....Cloverdale
Brown, Brenton S. .....Vancouver
Brown, Hugh A.....Vancouver
Cant, George B.....North Vancouver
Carnwath, Velma S.....Vancouver
Chamberlain, Douglas G. .....Nelson
Chandler, Dorothy G.....Vancouver
Clague, John E. .....Vancouver
Clark, Lewis J.....Victoria
Colbert, J. Arthur .....Victoria
Crombie, Martha J.....Victoria
Currie, Theodore G.....Sardis
Curtis, Alden S.....Vancouver
Daniel, Howard W.
West Summerland
Darling, Frances .....Vancouver
Davidson, Margaret H.....Vancouver
Davy, John G.....New Westminster
Eckardt, Harold A.....Mission City
Edgar, Edmund G.....West Vancouver
Farquhar, E. Lorraine .....Victoria
Finley, Edith E.....Vancouver
Fletcher, Margaret G. .....Victoria
Found, R. Keith.....Vancouver
Frost, G. Herbert .....Vancouver
Garrison, Florence T.....Vancouver
Graham, Dorothy M. .....Vancouver
Graham G. Wilfred.....Chilliwack
Grant, James V.....Vancouver
Haggerty, Georgie M.
Belle Plaine, Sask.
Halliday, Lesley M.....Vancouver
Hards, Albert A. .....Vancouver
Hardwick, Walter H. W.....Vancouver
Harris, Gordon G.....Vancouver
Henderson, Arnold E.....Vancouver
Herchmer, Lawrence S.....Fernie
Herd, Thomas D.....Vancouver
Hodson, Phyllis E. .....Vancouver
Hope, Grace E.....Vancouver
Howard, Arthur M.....Vancouver
Hyndman, William .....Vancouver
Ironside, Algoma C. .....Nanaimo
Irwin, Floyd L. .....Rutland
Jackson, Eabel .....Vancouver
Jackson, Helen P.....Vancouver
Jacob, Marian D.....Vancouver

Jamieson, Gordon T. ..... Vancouver
Jamieson, L. Jean ..... Vancouver
Jay, Harry V. ..... Vancouver
Johnson, F. Henry ..... Vancouver
Johnston, Harry S. ..... Vancouver
Jones, Vernon W. ..... Victoria
Jordan, Mildred P. ..... Saskatoon, Sask.
Keenan, John K. ..... Vancouver
Kelly, Kathleen M. ..... Kamloops
Kennedy, Dorothy N. ..... Vancouver
Kerr, Mary H. ..... Chilliwack
Killip, Gertrude M. ..... Vancouver
Kipling, Rudyard T. ..... Victoria
Knight, R. Ivan ..... Errington, B. C.
Larson, May E. ..... Vancouver
Lawrence, F. Kathleen ..... Kamloops
Long, Cecilia E. ..... Vancouver
Lynn, Eileen M. ..... Vancouver
Manuel, Harold K. ..... Chilliwack
Martin, Alex. ..... Vancouver
Martin, Harry K. ..... Nanaimo
Mellish, Humphrey W. ..... Vancouver
Mercer, Kathryn G.
New Westminster
Miller, Ivan R. ..... Vancouver
Moffat, Margaret B. ..... Saanich
Montgomery, G. Ray ..... Vancouver
Morrow, Alice I. ..... Vancouver
Mouat, William J. ..... Ganges
Mulvin, Vernon W. ..... Vancouver
McClure, Ann O. ..... Hatzic
MacDonald, Angus M. ..... Vancouver
McGown, Walter M. ..... Vancouver
MacGregor, Ernest S. ..... Calgary, Alta.
McHattie, George T. ..... Vancouver
MacKenzie, Donald B. ..... Vancouver
Maclachlan, J. Murdoch ..... Chilliwack
Patterson, Margery ..... Vancouver
Petrie, Jean E. ..... Vancouver
Phillips, Bertha ..... Nanaimo
Pratt, Frederick H. ..... New Westminster
Pritchard, Donald L. ..... Vancouver
Ramage, E. Irene ..... Vancouver
Reay, Sybil ..... Nanaimo
Roberts, Jessie C. ..... Victoria
Robertson, Archibald P.
Pitt Meadows
Robinson, Alexander F. ..... Vancouver
Saville, Joyce M. ..... Vancouver
Sharp, Robert F. ..... Vancouver
Smith, Clyde McK. ..... New Westminster
Smith, Douglas E. ..... Victoria
Smith, Elsie K. ..... Victoria
Smith, Harry ..... Lynn Creek
Somerville, Chester E. ..... Vancouver
Sprinkling, Ransford G.
New Westminster
Stearman, Margaret R. ..... Vancouver
Steele, Isobel F. ..... New Westminster
Stevenson, Jane E. ..... Vancouver
Stewart, Margaret E. ..... Vancouver
Stratton, Muriel A. ..... Vancouver
Stubbs, G. William ..... Courtenay
Swanson, Olga K. ..... Vancouver
Sweeting, Alma ..... Vancouver
Tippett, Mary E. ..... Nanaimo
Turin, Alexandra ..... Vancouver
Turner, Phyllis W. ..... Vancouver
Turner, Ronald A. ..... Nanaimo
Urie, Agnes W. ..... Vancouver
Vance, Earl J. ..... Vancouver
Walker, Eleanore M. ..... Brentwood
Walker, Maurice H. ..... Victoria
Warden, Agnes J. ..... Vancouver
Watson, Charles C. ..... Vancouver
Waugh, John ..... Nanaimo
Webster, Gladys A. ..... Vancouver
West, Joan W. ..... Vancouver
Wilkinson, Percival E. ..... Cowichan
Wright, Ellen M. ..... Vancouver
Yip, K. Dock ..... Vancouver

THIRD YEAR

Anderson, Daniel J. ..... Kimberley
Atkinson, J. Ray ..... Vancouver
Barclay, Walter J. ..... Port Moody
Barton, Doris J. ..... Vancouver
Burch, Arthur F. ..... Vancouver
Cameron, William M. ..... Nelson
Casselman, Marian McR. ..... Vancouver
Chell, Joseph ..... New Westminster
Coddington, Albert F. ..... Victoria
Cooke, Carlton C. ..... Vancouver
Dickinson, Farley B. ..... Chilliwack
Douglas, Ian F. ..... New Westminster
Frederickson, Clarence J. ..... Kelowna
Godfrey, John D. ..... Vancouver
Greenlees, Margaret M. ..... Vancouver
Hodgson, Shirley W.
New Westminster
Hunter, Gordon M. ..... Vancouver
Johnston, Viola M. ..... Vancouver
Kennedy, Mervyn E. ..... Vancouver
Kirk, N. Leslie ..... Vancouver
Knight, Gladys E. ..... Coronation, Alta.
Lane, Edwin I. ..... Dundarave
Lee, Ernest ..... New Westminster
Livingstone, Edward R. ..... Vancouver
Margolis, Jean E. ..... Vancouver
Marshall, Margot T. ..... Vancouver
Matheson, Alvah S. ..... Vancouver
Milligan, Frances M.
Fishing Lake, Sask.
Moore, Ralph G. D. ..... Victoria
McAfee, Jessie ..... Prince Rupert
McArthur, Harold ..... Nelson
McInnes, Robert H. ..... Victoria

Second Year—(*Continued*)

Mackenzie, Mina E. ..... Nelson
MacLeod, W. Ray ..... Lynn Creek
McRae, Farquhar J. ..... Agassiz
O'Neill, W. Walter C. ..... Prince Rupert
Reynolds, Kathleen M. W. North Vancouver
Rowbottom, Nan M. ..... Nanaimo
Shearman, Arthur E. ..... Vancouver
Sims, Edward S. ..... Vancouver
Stone, Harriet L. ..... Dawson, Y. T.
Turnbull, Alex ..... New Westminster
Whiles, Dorothy E. ..... Vancouver
Wiedrick, Vernon A. ..... Vancouver
Willing, Donella M. ..... Esquimalt
Wolfe, Paul B. ..... Vancouver

Fourth Year

Acorn, Jessie I. ..... Vancouver
Ashby, Barbara ..... Vancouver
Barton, Mary K. ..... Vancouver
Brown, Robert C. ..... Vancouver
Clarke, Norman M. ..... Vancouver
Creighton, James H. ..... Vancouver
Dawson, Barbara L. ..... Vancouver
Doherty, Sheila ..... New Westminster
Duncan, Campbell ..... Vancouver
Hardwick, Francis C. ..... Vancouver
Jones, David R. ..... Vancouver
Jones, Elizabeth ..... Victoria
Keatley, William M. North Vancouver
Lerner, I. Michael ..... Harbin, China
Logan, Margaret C. N. ..... Vancouver
McKee, Kenneth M. ..... Vancouver
MacKenzie, L. Margaret New Westminster
Noble, Mother Anne ..... Vancouver
Patterson, H. Ervine ..... Vancouver
Plenderleith, William ..... Ocean Falls
Pollock, Douglas B. ..... Vancouver
Rendell, Victoria J. ..... Dawson, Y. T.
Richardson, Edward R. G. ..... Victoria
Roy, Henrietta ..... Vancouver
Siddall, Kathleen Y. ..... Islington, Ont.
Tipping, Vera L. ..... Vancouver
Wilson, Arthur R. ..... Belmont, N. S.
Wilson, Gordon S. ..... Vancouver
Wilson, Idele ..... Vancouver

Graduates

Abercrombie, William T. ..... Vancouver
Archibald, Reginald MacG. Vancouver
Barton, Bernice E. ..... Vancouver
Boyes, Francis C. ..... Vancouver
Brooks, Leslie D. G. ..... Vancouver
Broome, Enoch B. ..... Vancouver
Brown, H. Leslie ..... Vancouver
Buckley, H. Leslie ..... North Vancouver
Burnett, John N. ..... Vancouver
Cameron, Maxwell A. ..... Calgary, Alta.
Christmas, Irene M. ..... Cloverdale
Colledge, M. Elaine ..... Vancouver
Cox, Stafford A. ..... Vancouver
deMacedo, Joseph F. ..... Vancouver
Edgar, John ..... Winnipeg, Man.
Edmonds, Dorothy M. ..... Vancouver
Gamey, Herbert T. ..... Vancouver
Gilley, H. Frances ..... New Westminster
Grantham, Herbert H. ..... Vancouver
Higginbotham, Frances I. ..... Vancouver
Horne, Violetta E. ..... Vancouver
Hutson, Andrew H. ..... Vancouver
Johnston, Mrs. St. Clair ..... Vancouver
Kirk, T. Downie ..... Vancouver
Knott, W. Widnell D. ..... Vancouver
Laing, L. Muriel ..... Victoria
Lane, Joseph H. ..... Nanaimo
Loomer, John C. ..... Hedley
Marin, Joseph ..... Vancouver
Morden, Wilma ..... North Vancouver
McDermott, Mother Mary ..... Vancouver
MacIver, Dolina C. ..... Vancouver
MacNeill, Lorne C. ..... Vancouver
Noble, Kenneth ..... Vancouver
Nordberg, Elsie ..... New Westminster
Page, Edna L. ..... Vancouver
Paul, George H. G. ..... Vancouver
Reid, Charlotte M. ..... New Westminster
Reid, Katharine O. M. New Westminster
Rendle, Frank ..... Victoria
Riggs, A. Eleanor C. ..... Vancouver
Sanford, O. McLean ..... Vancouver
Southam, Harold D. ..... Hollyburn
Stocks, George H. ..... Vancouver
Sutton, Arthur ..... Agassiz
Towell, A. Seymour ..... Nanaimo
Trueman, A. Stanley ..... Winnipeg, Man.
Whitaker, A. Geraldine ..... Vancouver

THE UNIVERSITY BOOK STORE

The Book Store, which occupies a room in the Auditorium Building, 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 sheets, fountain pens, drawing paper and instruments.

During the Summer Session the Book Store is open Monday to Friday, from nine to four o'clock, and Saturday, from nine to twelve.

The University of British Columbia issues the following official publications, any of which may be obtained on request from the Registrar:

1. Requirements for Matriculation.
2. The Calendar.
3. Announcement of the Summer Session.
4. Announcements of Short Courses in Agriculture.