



VICTORIA COLLEGE

VICTORIA, B.C.

IN AFFILIATION WITH THE
UNIVERSITY OF BRITISH COLUMBIA

Calendar

1951-52

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ISSUED BY
VICTORIA COLLEGE COUNCIL

AND

THE BOARD OF SCHOOL TRUSTEES
OF GREATER VICTORIA



Victoria College
Library



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VICTORIA COLLEGE

In Affiliation with the University of British Columbia.

THE PURPOSE of Victoria College is to give students of the Greater Victoria area, and Vancouver Island generally, an opportunity of receiving instruction in the first two years in the Arts and Science course as prescribed by the University of British Columbia. The University of British Columbia curriculum is followed, and students receive credits that are recognized wherever the parent University's credits are recognized.

To be more specific, Victoria College offers the first two years of work preparatory to degrees in Arts, Commerce, Law, Medicine, Dentistry, Social Work, and Library Science. The College also offers the first year of work preparatory to degrees in Agriculture, Applied Science, Architecture, Chartered Accountancy, Forestry, Nursing, Occupational Therapy, Physiotherapy, Optometry, Pharmacy, Teaching, and Veterinary Medicine.

In 1894, by Act of the Provincial Legislature, High Schools of the Province were permitted to affiliate with recognized Canadian Universities, in order to provide the first stages of higher education.

Eight years later, in 1902, Victoria High School applied for affiliation with McGill University, and in the Fall of 1903 Victoria College opened its doors as a separate institution to give the first year in Arts and Science under the aegis of McGill. Second year work in Arts and Science was undertaken in 1907.

In 1906, the Provincial Legislature passed an Act incorporating the Royal Institution for the Advancement of Learning of British Columbia. This Institution, in the same year, established at Vancouver the McGill University College of British Columbia, and in the following year Victoria College became part of this foundation.

In 1908, an Act was passed establishing and incorporating the University of British Columbia, and in 1915, when the University of British Columbia was opened, Victoria College was closed.

Five years later, however, in 1920, public opinion demanded that higher education again be made available in the Victoria area, and Victoria College was re-established—this time in affiliation with the University of British Columbia.

In 1945, by virtue of an Agreement signed by the Education Department, the University, and the Greater Victoria School Board, the academic direction of the College was placed in the hands of Victoria College Council, on which all three authorities are represented. Financial direction remains in the hands of the Greater Victoria School Board.

The College building is situated at the corner of Lansdowne and Richmond Roads, on the Mount Tolmie bus route, and commands the most beautiful views of the City of Victoria, Juan de Fuca Strait, and the Olympic Mountains in the State of Washington.

The fullest facilities are available. These include first-class laboratories, a fine library, a cafeteria, and a readily-adjacent playing-field.

With its relatively small enrolment, and its carefully selected Faculty, Victoria College offers an individualized education to its students, and effectually bridges the gap between high school and university life.

VICTORIA COLLEGE COUNCIL

- (a) **Ex-Officio:**
Norman A. M. MacKenzie, C.M.G., M.M. and Bar, K.C., B.A., LL.B., LL.M., LL.D., D.C.L., F.R.S.C., President, University of British Columbia.
J. F. K. English, M.A., B.Paed., Senior Inspector of Schools, Greater Victoria District.
John M. Ewing, B.A., B.Paed., D. Paed., Principal.
- (b) **Appointed by Board of Governors:**
S. N. F. Chant, O.B.E., M.A., Dean of the Faculty of Arts and Science.
J. B. Clearihue, M.C., K.C., M.A., B.C.L., (Chairman). Term expires Dec. 1953.
- (c) **Appointed by Minister of Education:**
J. G. Ruttan, M.A., B.C.L., (Vice-Chairman).
Term expires Dec. 1953.
Willard E. Ireland, M.A. Term expires Dec. 1953.
- (d) **Appointed by Greater Victoria Board of School Trustees:**
R. H. Green, E.D., B.A. Term expires Dec. 1951.
W. P. Jeune. Term expires Dec. 1953.
A. W. Trevett. Term expires Dec. 1951.
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OFFICERS AND STAFF

- John M. Ewing, B.A. (Queen's), B.Paed., D.Paed. (Toronto), Principal.
- W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Vice-Principal.
- Robert T. D. Wallace, M.A. (Brit. Col.), Director, Evening Division.
- Miss Dorothy M. Cruickshank, B.A. (Brit. Col.), Registrar.
- Douglas G. Lochhead, B.A. (McGill), M.A. (Toronto), B.L.S. (McGill), Librarian.
- Mrs. E. Joyce McKay, B.A. (Man.), Book Store Manager and Assistant Registrar.
- Miss Patricia Sullivan, B.A. (Sask.), Assistant to the Registrar.

FACULTY

Professor Emeritus

Jeffrey A. Cunningham, B.A. (Queen's), Professor Emeritus of Zoology.

Department of Biology, Botany and Zoology

W. Gordon Fields, B.A. (Brit. Col.), A.M. (Stanford), Assistant Professor of Biology and Zoology.

Winona J. Bethune, B.A. (Brit. Col.), Instructor in Biology and Botany.

Department of Chemistry

Lewis J. Clark, B.A. (Brit. Col.), M.Sc. (Washington), Associate Professor.

Edward J. Savannah, A.B., S.B. (Calif.), Assistant Professor.

Department of Classics

John Carson, M.A. (Oxon.), Assistant Professor of Classics.

Department of Commerce and Economics

G. Reid Elliott, B.A. (Sask.), M.A. (Toronto), Assistant Professor.

Department of English

Roger J. Bishop, B.A. (Brit. Col.), M.A. (Toronto), Assistant Professor.

Rodney P. D. Poisson, M.A. (Brit. Col.), Assistant Professor.

G. Grant McOrmond, M.A. (Sask.), Assistant Professor.

Department of Geology and Geography

Charles H. Howatson, M.A. (Brit. Col.), Assistant Professor.

Department of History and Sociology

Sydney G. Pettit, M.A. (Brit. Col.) Associate Professor.

Department of Mathematics

Robert T. D. Wallace, M.A. (Brit. Col.), Associate Professor.

Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Assistant Professor.

Department of Modern Languages

- W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Associate Professor of French.
Miss Phyllis Baxendale, M.A. (Brit. Col.), Assistant Professor of German.
Gwladys V. Downes, M.A. (Brit. Col.), Instructor in French.

Department of Philosophy

- John M. Ewing, B.A. (Queen's), B.Paed., D.Paed., (Toronto), Professor of Philosophy.

Department of Psychology

- William H. Gaddes, M.A. (Brit. Col.), Assistant Professor of Psychology.

Department of Physics

- William H. Hughes, B.A. (Queen's), B.Sc. (Sask.), Associate Professor.
John L. Climenhaga, M.A. (Sask.), Assistant Professor.

ACADEMIC YEAR 1951-52

1951

- Monday, August 20th—Registration begins.
Thursday, August 23rd—Supplemental Examinations begin.
Monday, September 17th—Last day for registration.
Monday, September 17th—Last day for payment of first instalment of fees.
Thursday, September 20th—Session begins (organization).
Monday, September 24th—Lectures begin.
Friday, October 5th—Last day for change in students' courses.
Wednesday, December 19th—End of First Term.

1952

- Thursday, January 3rd—Second Term begins.
Wednesday, April 16th—Last day of lectures.
Friday, April 18th—Sessional Examinations begin.
Friday, May 2nd—End of Second Term.

IMPORTANT NOTICES

No student with unsatisfactory standing will be permitted to register without the permission of the Faculty.

As the College Session is short, the student must be prepared to do intensive work from the first day of the session to the last. Unless the student adapts himself to these conditions, his chances of success are slight.

The Principal and Staff are most willing at all times to give direction or advice, but the ultimate responsibility in the selection of courses rests with the student.

Regulation of Victoria College Council Forbidding Hazing and other Unauthorized Activities

The following are prohibited:

1. Hazing.
2. Any act by any student attending the College or by anyone at all causing injury or likely to cause injury to any person or damage to College property.
3. Bringing and/or consuming liquor within the precincts of the College, or in association with any function held under the name of the College.

Any student violating the above regulation will be liable to immediate expulsion.

Victoria College is governed by the regulations of the University of British Columbia, of which the official statement is the University Calendar: this Calendar is a digest of such regulations.

Students are warned not to assume that regulations remain unchanged from year to year. They should note regulations and outlines of courses as they appear in this Calendar.

Application for admission should be made as early as possible after August 20th, 1951, at the office of the Registrar, Victoria College. Out-of-town students may register by mail. Students registering for the first time must present their University Entrance (Junior Matriculation) Certificates.

College Book Store

All text-books and student supplies can be purchased at the College Book Store which is within the College building.

GENERAL INFORMATION

The Session

The College Year or Session is divided into two terms. The first begins on Thursday, September 20th, 1951, and the second on Thursday, January 3rd, 1952.

Courses of Study

For the session 1951-52 the College offers instruction in the first two years of the Faculty of Arts and Science (including Commerce), leading to the degrees of Bachelor of Arts and Bachelor of Commerce.

By a proper selection of First Year courses in Arts and Science, students may equip themselves to enter, at the University, the first year of Engineering, Architecture, Forestry, Nursing, and the second year of Agriculture, Physical Education, Pharmacy.

Courses preparatory to Medicine, Dentistry, Law, etc., are given in so far as the curriculum applies.

Board and Residence

A list of approved boarding-houses which receive men or women students, but not both, may be obtained from the Registrar. Men and women students are not permitted to lodge in the same house, unless they are members of the same family, or receive special permission from the Faculty.

ADMISSION TO THE COLLEGE

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

1. Except under special circumstances, no student under the age of sixteen is admitted to the College.

2. Candidates for admission to the courses in the First Year are required to have full standing in University Entrance (Junior Matriculation) of the Province of British Columbia, or to submit certificates showing that they have equivalent standing elsewhere.

3. Students with full University Entrance standing who have passed Senior Matriculation examinations are admitted to the First Year Arts and Science with credits in each Senior Matriculation subject passed with a grade of 50% or over, insofar as the subjects passed meet the requirements of the First Year in the course proposed. For further information see page 24, under Senior Matriculation Credits.

4. A student who has any deficiency in University Entrance standing will not be admitted to the College.

REGISTRATION

Those who intend to register as students of Victoria College for the Session 1951-52 are required to make application to the Registrar before Monday, September 17th, on forms to be obtained at the Registrar's office.

There are three classes of students.

(a) Full Undergraduates—Students proceeding to a degree who have passed all the examinations precedent to the year in which they are registered.

(b) Conditioned Undergraduates — Students proceeding to a degree with defects in their standing which do not prevent their entering a higher year under the regulations governing "Examinations and Advancement."

(c) Occasional Students—Students not belonging to one of the two preceding classes.

Occasional students, who are not proceeding to a degree, are not normally required to pass an examination for admission, but, before registering, must produce a certificate showing that they have satisfied the Principal and the Heads of Departments concerned that they are qualified to pursue with advantage the course of study which they propose to undertake.

Students living out of town may register temporarily by mail on forms obtainable at the College, provided they complete their registration by the opening day. All other students are required to attend in person at the office of the Registrar between Monday, August 20th, and Monday, September 17th, to furnish the information necessary for the College records, to register for the particular classes which they wish to attend, and to sign the following declaration:

“I hereby accept and submit myself to the statutes, rules, regulations and ordinances of Victoria College and of the Faculty in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same.”

In the information furnished for the College records, students are requested to state what church they propose to make their place of worship. This information is available for any of the city churches desiring it.

Students registering for the first time must present the certificates which constitute their qualification for admission to the course of study for which they wish to register.

A student desiring to make a change in the course for which he has registered must apply to the Registrar for a “change of course.” Except in special circumstances, no change will be allowed after the second week of the session. If the application is approved by the Departments concerned, the Registrar will give the necessary notification.

ATTENDANCE

Students are required to attend at least seven-eighths of the lectures in each course that they take. Admission to a lecture or laboratory and credit for attendance may be refused by the Instructor for lateness, misconduct, inattention or neglect of study. Absence consequent on illness or domestic affliction may be excused only by the Principal, and medical certificates or other evidence must be presented immediately to the Registrar on return to College work. In cases of deficient attendance students may (with the sanction of the Principal and Head of the Department concerned) be excluded from the Christmas or the final examinations in a course; but, in the case of a final examination, unless the unexcused absences exceed one-fourth of the total number of lectures in a course, such student may be permitted to sit for supplemental examination.

The College week is from Monday to Saturday inclusive, and lectures and laboratories may extend from 8 a.m. to 6 p.m.

FEEES

All fees are payable at the office of the Registrar, Victoria College. Cheques should be made to the order of the Registrar, Victoria College. Registration is not complete until the first instalment of fees has been paid. Arrangements for paying fees are described in the next section. The fees quoted below do not include cost of text-books, personal expenses, etc.

Students taking not less than 12 units are subject to the same fees as full-time students.

I. Regular Session

A. For students taking a complete course:

Registration Fee (not returnable)	\$ 5.00
Tuition Fee	170.00
Alma Mater and Incidental Fees	10.00
Library Caution Money	2.00
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Total	\$187.00

B. For students taking less than 12 units:

Registration Fee per 3-unit course (not returnable)	\$ 1.00
Tuition Fee per 3-unit course	35.00
Alma Mater and Incidental Fees	10.00
Library Caution Money	2.00

II. Evening Division

A. Credit Courses

(i) For students taking courses for credit:

Registration Fee	\$ 1.00
Tuition Fee	35.00
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	\$ 36.00

(ii) For students auditing credit courses:

Tuition Fee	\$ 18.00
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B. For students taking non-credit courses:

The Fee for each of these courses depends upon the administrative conditions pertaining thereto.

The Alma Mater fee is turned over to the Students' Council for the support of student organizations, athletics and social functions. The Incidental Fee covers damages to buildings and furniture, use of special materials in the laboratories, replacement of library books, etc. Should the sum collected be insufficient, a second amount may be collected from each student.

Students taking Chemistry courses are required to pay at Registrar's office a chemistry breakage fee of \$3.00. Deductions will be made from this fee by instructors for laboratory breakages.

PAYMENT OF FEES

Fees may be paid by either of the plans described below. Parents or guardians of students are required to state at the time of registration which plan they propose to adopt. In the event of default of payment at any time under either plan, students will be excluded from classes, and will not be re-admitted until all outstanding fees have been met.

First Plan: Fees payable in two instalments. The first, consisting of the Registration Fee, one-half the Tuition Fee plus Alma Mater and Incidental Fees and Caution Money, must be paid at time of registration. The second, consisting of the balance of the Tuition Fee, must be paid not later than January 10th, 1952. For students taking a full course (15 units) the payments under this plan are \$102.00 and \$85 respectively.

Second Plan: Fees payable in six instalments according to the following arrangement:

First Term

At time of registration	\$ 52.00
(Registration Fee (not returnable) \$ 5.00	
Tuition Fee	35.00
Alma Mater and Incidental Fees	10.00
Library Caution Money	2.00)
October 10th	25.00
November 10th	25.00
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	\$102.00
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Second Term

January 10th	\$ 35.00
February 10th	25.00
March 10th	25.00
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	\$ 85.00
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Work in the College Library, up to a maximum of 100 hours at 75c per hour, will be provided for students of good standing and demonstrable financial need. Application should be made to the Registrar at time of registration on a form available for this purpose.

SPECIAL FEES

Special examination (per paper)	\$7.50
Regular Supplemental Examinations (per paper)	5.00
Re-reading of Examinations (per paper)	2.00

These fees must be paid in advance.

SCHOLARSHIPS AND PRIZES

First and Second Year Students in Arts and Science who are proceeding to a course of study in the University of British Columbia should note the page of the Calendar of that institution concerning the Khaki University and Young Men's Christian Association Memorial Fund Bursaries.

The Dominion-Provincial Student Aid Bursary Fund and Provincial Loan Fund

Under the Dominion-Provincial Youth Training Programme a sum of money has been set aside to aid University students who can offer proof of scholastic ability and financial need.

Application forms may be secured from the Department of Education, Technical Education Branch, Victoria, B.C., and must be returned not later than Aug. 1st.

PERCY H. ELLIOTT MEMORIAL SCHOLARSHIP—

One hundred and thirty dollars (\$130) awarded to a student of outstanding merit and promise in one specific field of study, who has also a high general academic standing, and qualities of character indicating worthiness to hold the scholarship. The scholarship is awarded, upon the recommendation of a Staff Committee, to a student in the First or Second Year, and, unless service in the Armed Forces intervenes, proceeding immediately towards a University degree.

ROYAL INSTITUTION AND FRANK EATON
MEMORIAL SCHOLARSHIP — Fifty dollars (\$50)
awarded to the student taking the highest standing
in the English of the second year.

ALLIANCE FRANCAISE PRIZE—Twenty-five dollars (\$25) awarded to the student in the second year who has made the most progress in French and who intends to continue university work in this subject.

T. EATON COMPANY (British Columbia) LIMITED SCHOLARSHIP — One hundred dollars (\$100) awarded to the first year student taking the highest standing in Mathematics and continuing the course in the second year at Victoria College.

KIWANIS SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded to a man student completing the first year and entering the second year at Victoria College. Selection of the recipient to be made by the Kiwanis Club of Victoria in conference with the College Faculty.

QUITA NICHOL BURSARIES—Two hundred dollars (\$200) donated annually to Victoria College by Mrs. W. C. Nichol, to provide scholarships in first and second year French. Two prizes of \$100 and \$50 respectively, will be awarded in the first year, and one prize of \$50 in the second year. These prizes are normally awarded on merit, but, if necessary, special circumstances may be taken into consideration. Students must continue at Victoria College for their second year or the University of British Columbia for their third year.

UNIVERSITY WOMEN'S CLUB SCHOLARSHIP — One hundred dollars (\$100) awarded to the woman student taking the highest standing in her first year and continuing her course in the second year at Victoria College or at any other university, provided the course desired is not available at Victoria College. When a student wishes to attend a university outside Canada, the reasons for such attendance should be submitted to the Executive of the University Women's Club for approval.

THE KATHLEEN AGNEW SCHOLARSHIP — One hundred dollars (\$100) donated for the purpose of stimulating the study of the History of Canada.

HUDSON'S BAY COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded to the student taking the highest standing in Economics 200, and continuing his university studies without interruption.

SIDNEY ROOFING AND PAPER COMPANY SCHOLARSHIP—Two hundred and fifty dollars (\$250) awarded to the leading student of the second year, on condition that he continues his university studies without interruption in the third year.

*THE CANADIAN LEGION, B.E.S.L., (VICTORIA, B.C.) SIR PERCY LAKE MEMORIAL SCHOLARSHIP—One hundred and fifty dollars (\$150) to be awarded annually to a worthy student of Victoria College on the recommendation of the Faculty. To be eligible, a student must be a veteran of World War II, or a son or daughter of a veteran of World War II or World War I, or the wife or widow of a veteran of World War II, and must continue his or her studies.

THE BRITISH AMERICA PAINT COMPANY SCHOLARSHIP — One hundred dollars (\$100) awarded to the leading male student in the First Year.

VICTORIA GYRO CLUB SCHOLARSHIP — One hundred dollars (\$100) awarded annually to a male student completing his first year at Victoria College. The recipient is to be selected annually by a committee of the Gyro Club, upon the recommendation of the Principal of Victoria College, on the basis of qualities of leadership, distinction of mind, and merit in games.

*VICTORIA MUNICIPAL CHAPTER IMPERIAL ORDER OF THE DAUGHTERS OF THE EMPIRE SCHOLARSHIP—Fifty dollars (\$50) awarded annually to a first year student who is the child of a veteran of World War I or World War II. The recipient of the Scholarship must be recommended for general proficiency and worth by the College Faculty, and must continue university work into the second year.

THE BRITISH COLUMBIA ELECTRIC RAILWAY COMPANY, LIMITED, SCHOLARSHIP — One hundred and fifty dollars (\$150) awarded to the student with the highest standing who is proceeding, without interruption, to the First Year of Applied Science.

KINSMEN CLUB OF VICTORIA SCHOLARSHIP— One hundred dollars (\$100) awarded annually to a student of Victoria College. The recipient is to be selected by a committee of the Kinsmen Club, on the basis of outstanding scholastic ability and promise, upon the recommendation of the College Faculty.

ESTHER PEARCE MEMORIAL PRIZE — Twenty-five dollars (\$25) awarded annually by Chapter N, P.E.O. Sisterhood, to a woman student in First Year for excellence in English.

JOHN WESLEY CHURCH MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded annually by Mrs. J. W. Church to the student winning highest standing in Latin (Latin 90 or Latin 101), or in Greek, or in Latin and Greek, in the first year, and continuing with the subject (or the subjects) in the second year at Victoria College.

*KER SCHOLARSHIP—One hundred and twenty-five dollars (\$125) awarded to a student in the first year who is proceeding to the second year either at Victoria College or a Canadian university. The applicant must have been a cadet (Sea, Army or Air) for at least two years during his last three years of high school. Application, together with a certificate from the Cadet Unit concerned, must be made to the Registrar not later than April 30th. Selection of the winner is to be made by Faculty in consultation with the donor, Mr. R. H. B. Ker.

LIONS CLUB SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the student obtaining the highest standing in Biology 100 and Chemistry 100, and continuing similar work in the Second year at Victoria College.

BRITISH COLUMBIA CEMENT COMPANY, LIMITED, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the student in First Year who obtains the highest standing in Chemistry and who intends to continue studies at Victoria College or at any other university.

THE SPENCER SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leading student of the Humanities in the Second Year. The winner must continue university studies.

THE ARTHUR S. DENNY SCHOLARSHIP — One hundred dollars (\$100) awarded annually by the Standard Furniture Company to the leader of the Second Year Commerce Course.

THE WYLLIE PRIZE—An annual prize of fifty dollars (\$50) and a book offered by Mr. and Mrs. A. S. Wyllie to the leading Philosophy student.

THE BRITISH COLUMBIA ELECTRIC RAILWAY COMPANY LIMITED PROFICIENCY SCHOLARSHIPS—Five scholarships of \$200 each, the gift of the British Columbia Electric Railway Company Limited, will be awarded annually to students of the University or Victoria College who are proceeding to further undergraduate work in any faculty of this University. These awards will be made, on the basis of proficiency, to students with outstanding records or scholastic achievement. Winners will be selected by the University Joint Faculty Committee on Prizes, Scholarships, and Bursaries, after consultation with departments and faculties.

ROBERT V. ANDERTON MEMORIAL SCHOLARSHIP—The Camosun Gyro Club of Victoria will present a scholarship in the amount of \$50 annually in memory of Bob Anderton, formerly a member of the Club, to a promising and deserving student of the First Year at Victoria College going into Second Year. The selection of the candidate shall be left to the discretion of the Victoria College Scholarship Committee.

THE MADAME SANDERSON MEMORIAL SCHOLARSHIP—Fifty dollars (\$50) offered annually to a promising student of Victoria College for excellence in English and French of the Second Year.

GRUEN GOLD WRIST WATCH — To be presented each year, by the Gruen Watch Company, through F. W. Francis, Ltd., to the student obtaining the highest average on the Sessional Examinations, with the provision that no student win it more than once.

BIRKS GOLD WATCH—Offered by Henry Birks and Sons (B.C.) Ltd., of Victoria, and awarded annually to a first-class student who has, in the opinion of the Committee on Prizes and Scholarships, made a valuable contribution to student life.

NOTE:—The Victoria College Committee on Prizes and Scholarships reserves the right to limit the amount of money retained by a student and/or to reassign scholarships (by reversion).

*To be applied for on forms obtainable at Registrar's Office. Applications must be in the hands of Registrar not later than the last day of the final examinations.

The following scholarships are open to students who have completed University Entrance and are proceeding to Victoria College.

CECILIA GREEN MEMORIAL SCHOLARSHIP —

One hundred dollars (\$100) awarded to the first ranking student from Victoria High School in the University Entrance Examinations who has not already merited another award. The recipient must attend Victoria College or the University of British Columbia.

VICTORIA WOMEN'S CANADIAN CLUB SCHOLARSHIPS —

(1) One hundred dollars (\$100) awarded to the female student resident in Victoria District (Vancouver Island south of the Malahat) and attending a Public High School, who makes the highest standing in the University Entrance Examination, held in June, and registering for a full first year course in Victoria College or the University of British Columbia, the following September. (2) One hundred dollars (\$100) awarded to the male student resident in Victoria District making the highest standing in the same examination and under the same conditions. Should the student, in either case, be awarded a scholarship from any other source, the Club Scholarship shall then revert to the student having the next highest standing.

UNIVERSITY SCHOLARSHIPS FOR UNIVERSITY ENTRANCE, School District No. 61, and School Districts Nos. 62-74—

Two scholarships of one hundred and seventy-five dollars (\$175) awarded for general proficiency in the University Entrance Examinations. The winners must attend either the University of British Columbia or Victoria College (Districts 61-66 only).

THE CHRIS SPENCER FOUNDATION SCHOLARSHIPS FOR UNIVERSITY ENTRANCE —

Two scholarships of \$225 each, the gift of the Chris Spencer Foundation, will be awarded to the candidates selected by the University to receive the University Scholarships for University Entrance described above. Through this gift each of the winners will therefore

receive a total scholarship of \$400. These supplementary scholarships are subject to the same conditions and regulations as those governing the University Scholarships for University Entrance.

THE CHRIS SPENCER FOUNDATION SPECIAL SCHOLARSHIPS — Two scholarships, each of the value of \$400 a year and renewable annually for a maximum of five years (to a total of \$2,000), are offered to students entering the University of British Columbia or Victoria College for the first time and proceeding to a degree at this University. These scholarships, the gift of the Chris Spencer Foundation, are available only for students whose ordinary private domicile, home, or residence is in the Province of British Columbia. Applicants will be considered, not only on the basis of scholastic ability, but also with respect to extra-curricular activities, such as outdoor sports, debating, dramatics, music, etc., and on indication, during the period of high school, of moral force and character and of instincts to lead and take an interest in classmates. Students holding these scholarships in any year of their course will be permitted to retain it for the following year only provided they obtain an average of at least 80% in the final examinations for the year or rank in the upper 10% of their class (i.e. the year and faculty in which they are registered) in the work of the year. Selection of applicants will be made by a committee representing the Foundation and the University. Application forms, obtainable from the Registrar's office, must be received by the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia, Vancouver, not later than May 31st.

THE BRITISH COLUMBIA ELECTRIC RAILWAY COMPANY LIMITED SPECIAL SCHOLARSHIPS — Five scholarships of \$200 each, offered annually by the British Columbia Electric Railway Company Limited, are available annually for sons and daughters of employees of the Company who are beginning or continuing their undergraduate studies in any faculty at the University. Winners of scholarships, however,

whose homes are in Victoria or its vicinity may, if they wish, attend Victoria College. These scholarships will be awarded on the recommendation of the Joint Faculty Committee on Prizes, Scholarships, and Bursaries to applicants who have outstanding records of scholastic achievements and are deserving of financial assistance. Application by letter must be made to the Dean of Administrative and Inter-Faculty Affairs not later than August 15th. Letters of application should state particulars of family service with the Company and include certificates of standing in all subjects taken in University Entrance, Senior Matriculation, Victoria College, or the University.

COURSES LEADING TO DEGREE OF B.A.

(Four-year course, two years of which may be taken
at Victoria College)

Registration and Admission

1. Registration must be completed during the period August 20th—September 17th, as described on pages 10-11.

2. After October 5th, except under very special circumstances and with the permission of Faculty, no student may alter the courses for which he has registered or enter classes for the first time.

3. All changes in registration must be made by the student at the Registrar's office. A student may not take courses for which he has not registered, and will be considered as having failed in all courses dropped without permission.

Senior Matriculation Credits

Credit will be given in the First Year only for subjects passed in the Senior Matriculation Examinations, and only insofar as these subjects meet the requirements of the First Year. No credit will be given, however, for Senior Matriculation subjects which are passed subsequent to completion of the First Year, nor will subjects of the First Year completed prior to subjects of Senior Matriculation be transferred to a higher year.

General Regulations

1. Students who take more than 15 units in the First or Second Year may not receive credit in a higher year for these extra units unless they have previously completed at least 3 units of the year in which they are registered.

2. Subjects credited to one year may not be transferred later to a higher year.

3. Without the special permission of Faculty, no student may take less than 15 units in each Winter Session.

4. No student may take more than 18 units in each Winter Session.

5. Students may not receive university credit for courses passed in University Entrance whether taken among the required credits or as extra subjects.

6. Students may not continue with work in a higher year, unless they take concurrently all courses of the previous year (or permissible substitutes) for which they have not obtained credit. The total of all work taken may not exceed 18 units. They may not continue subjects, the prerequisites for which they have not successfully completed.

7. Students are responsible for ensuring that their courses have been chosen in conformity with Calendar regulations.

8. Attention is drawn to regulations concerning Examinations and Advancement, pages 45-46.

First and Second Years

In the First Year a minimum of 15 units is required. In the Second Year of a General Course and of some Honours Courses, at least 15 units are required. In certain Honours Courses, however, 18 units must be taken.

Courses in each of the First and Second Years must be chosen to conform, not only with the rules and regulations in the preceding pages, but also with requirements A-E of the First Year and requirements F-K of the Second Year, as set forth in the following tables and notes.

Requirement Designation	First Year	Units	Refer to Notes:
A	English 100 and 101	3	
B	Language (other than English)	3	1, 2, 5
C	Mathematics 101 } or additional } Language	3	2, 6
D	Elective	3	1, 2, 6, 7
E	Elective	3	1, 2, 4, 6

Requirement Designation	Second Year	Units	Refer to Notes:
F	English 200	3	
G	Language (other than English)	3	1, 3, 5
H	Elective	3	1, 3, 4, 6
I	Elective	3	1, 3, 4, 6
J	Elective	3	1, 3, 4, 6
K	Special Honours Elective	3	1, 3, 6, 8

Reference Notes

1. Not more than one course numbered below 100, taken at the University or by Senior Matriculation, may be counted for credit in the units required for the B.A. degree.

2. All courses for First Year credit (requirements A-E inclusive) must be selected from the following list. For prerequisites and other details consult pages 48-58.

Biology 100	Greek 90, 101
Chemistry 100 or 101	History 101, 202
Economics 100	Latin 90, 101
English 100 and 101	Mathematics 101
French 101	Philosophy 100
Geography 101	Physics 100, 101 or 103
German 90, 100 or 101	Psychology 100

3. All courses for Second Year credit (requirements F-K inclusive) must be selected from the list in Note 2 or from the following additional subjects. For prerequisites and other details consult pages 48-58.

Botany 200	History 304
Chemistry 200, 210	Latin 202
*Commerce 151	Mathematics 200, 201, 202
*Economics 200	Philosophy 205
English 200, 205	Physics 200
French 202, 203	Psychology 202
Geography 201, 202	Sociology 200
Geology 200	Zoology 200
Greek 202	

*Commerce 151 and Economics 200 are open only to those students who are permitted to register in the Second Year.

4. Of the electives under D, E, H, I, J:

(i) at least one course must be a laboratory science chosen from Biology, Chemistry, Geography (except 201), Geology, or Physics. A student who takes at least 18 units of languages (other than English) in the combined First and Second Years may, however, defer this science course until his Third or Fourth Year;

(ii) at least one course must be chosen from Economics, Geography (201 only), History, Philosophy, Psychology, or Sociology. A student who takes at least 12 units of laboratory science courses in the combined First and Second Years may defer this course until his Third or Fourth Year.

5. Courses under B and G must be chosen from French, German, Greek, and Latin. Students must meet these requirements in accordance with **one** of the following plans:

(i) they may take a language course numbered 100 or 101 under B; and a course in the same language numbered 200 or 202 under G;

(ii) they may take a language course numbered 90 under B, a course in the same language numbered 100 or 101 under G, and, in the same language, a course numbered 200 or 202 as an extra subject in the Third or Fourth Year. **If this plan is chosen, 3 extra units will be required for the B.A. degree.**

(iii) if their courses include at least 12 units of laboratory science [see Note 4 (1)] or at least 9 units of laboratory science and 6 units of Mathematics, they may take, under B and G respectively, any two of French 101, 202, German 90, 100 or 101, 200, Greek 90, 101, 202, Latin 90, 101, 202. Only one course numbered 90, however, may be selected.

Students whose courses in the combined First and Second Years include 18 units of laboratory science may defer the language of the Second Year to their Third or Fourth Year.

(iv) if they have taken French 101, German 100, or Latin 101 under Group I of the optional subjects of

University Entrance, they may select French 202, German 200, or Latin 202 respectively under either B or G, and an elective in place of the other subject under B or G. If this language course is taken under B, a Third Year course in the language may be chosen for the elective under G.

6. Before making the choice under C, students should note:

(i) that Mathematics 101 is required for all courses in Architecture, Bacteriology, Biology (except 100), Botany (except 200), Chemistry, Commerce, Economics (except 100), Engineering, Forestry, Geography (except 101 and 201), Geology, Mathematics, Physics (except 103, for which Mathematics 91 of High School is prerequisite), Nursing, Pharmacy, Political Science, Pre-Medical and Pre-Dental courses, Sociology (except 200), and Zoology (except 200). It is also prerequisite for majors or for Honours in Philosophy, Psychology, and International Studies. Students will not be permitted to register for these courses unless they have previously taken Mathematics 101, except in the case of Chemistry 100 or 101 and Physics 100 or 101, with any of which it may be taken concurrently.

(ii) that although Mathematics 91 is the prerequisite for Mathematics 101, students who have completed only Mathematics V of University Entrance will be permitted to take the course. An additional three hours of instruction per week in this course will, however, be required of all students who have taken only Mathematics V. The work taken in these extra hours will be considered as laboratory, and regulation 3 under "Examinations," page 45, is applicable to it.

7. Students who do not select Mathematics 101 under C must take one of French 101; German 90, 100 or 101; Greek 90, 101; Latin 90, 101.

8. The special elective under K, which must be chosen from the subjects listed in Notes 2 and 3, need be taken only by students who are proceeding to those Honours Courses which require 18 units in the Second Year. The individual departments should be consulted. See also pages 29-33.

Honours Curriculum

The B.A. in an Honours Course requires the completion of the First and Second Years in conformity with the regulations above and of a minimum of 51 units in the combined Second, Third, and Fourth Years, of which not less than 15 units should be taken in each year. The following regulations govern Honours Courses:

1. A student who proposes to take an Honours Course must obtain the consent of the departments concerned. This consent will normally be granted only to a student who has a clear academic record at the end of his Second Year with at least Second Class standing in the subject or subjects of specialization, and who has taken the courses and fulfilled the prerequisites outlined below.

2. Some departments offer Honours Courses either alone or in combination with other departments. For Honours in a single department, at least 18 of the requisite units for the combined Third and Fourth Years must be taken in the department concerned, and at least 6 units outside it. For Honours in combined courses, at least 12 units in the combined Third and Fourth Years are required in each of two subjects.

SINGLE HONOURS COURSES

Biology and Botany

Prerequisites: Biology 100, Chemistry 100 or 101, Mathematics 101.

Course: In the Second Year, Botany 200, Zoology 200, English 200, a language, Physics 100 or 101, Chemistry 200.

Chemistry

Prerequisites: Chemistry 100 or 101, Physics 100 or 101, Mathematics 101.

Course: In the Second Year, Chemistry 200, Mathematics 202, Physics 200, and nine additional units.

Classics

Prerequisites: Greek 101, Latin 101.

Course: In the Second Year, Greek 202 and Latin 202.

Economics

Prerequisites: For admission to the Third Year of the Honours Course, Mathematics 101, a reading knowledge of French or German and a First Class or a High Second Class in Economics 200.

Course: In the Second Year, Economics 100, if not already taken, and Economics 200.

English

Prerequisites: A First or high Second Class mark in English 200; an elementary knowledge of Latin (e.g., University Entrance Latin or Latin 90).

Candidates will present evidence, by the end of the Fourth Year, of a reading knowledge of French or German or Russian and of a knowledge of a second foreign language equal to at least two years of University work in that language.

French

Prerequisite: French 101.

Course: In the Second Year, French 202, in which a First or high Second Class standing must be obtained, and French 203.

Geography

Prerequisites: In the First and Second Years, Mathematics 101, Geography 101 and two years of French or German.

Course: Geography 201 is recommended in the Second Year for those in the Social Sciences.

Geology

Prerequisites: Chemistry 100 or 101, Mathematics 101, Physics 100 or 101, a modern language, and, if possible, Biology 100.

Course: In the Second Year, Geology 200; Biology 100 or Zoology 200 (if Biology 100 has been taken).

History

Prerequisites: (1) History 101. (2) A reading knowledge of French or German.

Course: Students entering Honours in the Second Year should pursue the following course: English 200; French 202 (or its equivalent); History 202; and two elective courses.

International Studies

Prerequisites: For students proceeding to the Third Year in the Honours Course, French 202 or its equivalent and a First Class or good Second Class standing in History 101 or Economics 200.

Course: In the Second Year, Economics 200, English 200, French 202 or its equivalent, Geography 201, History 101 (if not already taken) or History 202 (if not already taken).

Latin

Prerequisite: Latin 101.

Course: Latin 202 in the Second Year. Candidates are strongly advised to take Greek.

Mathematics

Students may take Honours in

- (a) Mathematics,
- (b) Mathematics (Actuarial Option),
- (c) Applied Mathematics.

Prerequisites: Mathematics 101, Physics 100 or 101,

Economics 100 or Psychology 100 (Actuarial Option), Chemistry 100 or 101 (Applied Mathematics). A reading knowledge of French or German is highly desirable. Students should elect at least one of these languages in the First or Second Year.

Course: In the Second Year, Mathematics 200, 202, Physics 200 (replaced by Mathematics 201 in the Actuarial Option), and 9 additional units.

Philosophy

Prerequisites: Mathematics 101, Psychology 100, Philosophy 100, and 3 units of a science.

Physics

Prerequisites: Chemistry 100 or 101, Mathematics 101, Physics 100 or 101.

Course: In the Second Year, Mathematics 200, 202, Physics 200, and nine additional units chosen in conformity with calendar regulations.

Political Science

Prerequisites: Mathematics 101, a reading knowledge of French or German, and a First Class or high Second Class standing in Economics 200.

Psychology

Prerequisites: Biology 100, Mathematics 101, Philosophy 100 or 205, Psychology 100. At least Second Class standing must be obtained in the work of the Second Year.

Sociology

Prerequisites: For admission to the Third Year of the Honours Course, a First or high Second Class standing in Sociology 200 together with demonstrated competence in a foreign language.

Zoology

Prerequisites: Mathematics 101, English 100 - 101, French 101, Biology 100, Chemistry 100 or 101.

Course: In the Second Year, English 200, German

90 or 101, Botany 200, Chemistry 200 (or Chemistry 210 with special permission), Zoology 200, Physics 100 or 101.

Note: Students who are planning to take a Combined Honours Course are advised to consult the University Calendar.

COURSES LEADING TO THE DEGREE OF B.Com. (Commerce)

(Five-year course, two years of which may be taken
at Victoria College)

A student who completes the course of studies for any of the following options will receive the degree of Bachelor of Commerce (B.Com.) on graduation:

1. Accounting and Finance
2. Marketing
3. Production
4. Commerce and Economics
5. Commerce and Political Science
6. Commerce and Science
7. Commerce and Home Economics
8. Commerce and Teaching
9. Commerce and Forestry
10. Commerce and Agricultural Economics
11. Commerce and Agricultural Science
12. Commerce and Hospital Administration
13. Commerce and Law (for double degree)

For admission to the School of Commerce, a student must have completed First Year Arts and Science, or its equivalent.

OPTION REQUIREMENTS

Pre-Commerce

Option No.	Obligatory	Electives
1 to 13	Eng. 100, 101; Math. 101	
1, 3	Language other than Eng., or Science	6 units
2	Language other than Eng., or Science; Psych. 100	3 units
4, 5	Language other than Eng.; Econ. 100	3 units
6	6 units from Chem. 100 or 101, Biol. 100, Physics 100 or 101, Geog. 101	3 units
7	Biol. 100; 6 units from Physics 100 or 101, Chem. 100 or 101, Psych. 100	
8	Language other than Eng., or Science; 3 units prerequisite to major	3 units
9	Physics 100 or 101; Chem. 100 or 101	3 units
10	Biol. 100	6 units
11	Biol. 100; Chem. 100 or 101	3 units
12	Language other than Eng.; Biol. 100 or Chem. 100 or 101; Econ. 100 or Psych. 100	
13	Language other than Eng., or Science	6 units

First Year Commerce

Option No.	Obligatory
1 to 13	Eng. 205; Com. 151; Econ. 200
1	Geog. 201; Math. 201
2	Geog. 201 3 units from: Math. 201; Psych. 100; Language.
3	Geog. 201 3 units from: Math. 201; Psych. 100; Science.
4, 5	Geog. 201 3 units from: Math. 201; Language.
6*	1st Year Science 3 units from: Math 200, 201 or 202; Geog. 201.
7	Home Econ. 210 3 units from: Geog. 201, Chem. 210.
8	Prereq. to major (6 units)
9	Math. 201; For. 253
10	Math. 202 3 units from: Geog. 201; Science.
11**	Geog. 201; Agr. 100 3 units from: Math. 201, Bact. 100
12	Soc. 200 3 units from: Chem. 100 or 101; Biol. 100.
13	Geog. 201 3 units from: Math. 201; Psych. 100; Hist. 101; Phil. 100; Language; Science.

* Math. 201 should be chosen by those who propose to take Biology, Botany or Zoology as a major. Math. 202 should be elected by students who propose to take Chemistry or Physics as a major.

** Bacteriology 100 is prerequisite to Dairying 200.

COURSES LEADING TO THE DEGREE OF B.A.Sc. (APPLIED SCIENCE)

Four-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College)

The degree of Bachelor of Applied Science is granted on completion of the work in one of the courses given below:

1. Agricultural Engineering
2. Chemical Engineering
3. Civil Engineering
4. Electrical Engineering
5. Forest Engineering
6. Geological Engineering
7. Mechanical Engineering
8. Metallurgical Engineering
9. Mining Engineering
10. Engineering Physics

Admission

For admission to courses in Engineering, a student must have completed the First Year in Arts and Science or its equivalent.

Required subjects are:

English 100 and 101

Chemistry 100 or 101

Mathematics 101

Physics 100 or 101

Language: one of the following—Latin 101,
French 101, German 90, 100, 101.

For admission to the First Year of Applied Science the passing grade is 60 per cent. in Mathematics, Chemistry and Physics, and 50 per cent. in other subjects.

No student with defective standing will be admitted to the First Year of Applied Science.

Students intending to enter Applied Science are advised to present Chemistry 91, Mathematics 91, and Physics 91 for University Entrance.

COURSE LEADING TO THE DEGREE OF B.Arch. (Architecture)

(Five-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College)

For admission to the School of Architecture, a student must have completed the First Year in Arts and

Science or its equivalent, and must have obtained an average grade of at least 60 per cent.

Required subjects are:

English 100 and 101

Mathematics 101

Chemistry 100 or 101

Physics 100 or 101

Language: one of the following—French 101,

German 90 or 100 or 101, Latin 101.

A reading knowledge of French or German is highly desirable.

Before deciding to register in Architecture, a student should take whatever aptitude tests are available.

COURSE LEADING TO THE DEGREE OF B.S.N. (Nursing)

Nursing A (for High School Graduates)

A basic professional nursing course leading to the degree of Bachelor of Science in Nursing, given in co-operation with the Vancouver General Hospital School of Nursing which provides the clinical portion of the course. For the final year of the course the student elects either "Public Health Nursing" or "Clinical Supervision."

Required subjects for First Year Arts and Science are:

English 100 and 101

Mathematics 101

Chemistry 100 or 101

Biology 100

One additional course selected from the following:

Psychology 100

Economics 100

History 101, 202

A language other than English.

Formal Admission to the School of Nursing

Following satisfactory completion of the above programme the student is formally admitted to the University School of Nursing. Application for such admission should be submitted not later than August 15th.

To be eligible students must obtain at least 60 per cent. in either Biology or Chemistry, or, in lieu of this, an overall average of at least 60 per cent. In other subjects at least 50 per cent. must be obtained.

Since the Vancouver General Hospital School of Nursing provides the major portion of the clinical programme, its admission requirements, as well as those of the University, must be met by the student before final acceptance to the degree course is approved. Students are advised to write to the Director, Vancouver General Hospital School of Nursing, for a calendar.

COURSE LEADING TO THE DEGREE OF B.S.F.

(Bachelor of Science in Forestry)

The degree of Bachelor of Science in Forestry is granted on the completion of four years work in the Faculty of Forestry.

The courses in Forestry provide a strong, well-rounded professional forestry training and at the same time give the student, through his choice of electives, an opportunity to supplement his knowledge of allied sciences as a background towards further specialized training. This objective is attained by requiring the student to take during each academic year a basic core of essential subjects and a certain number of other courses which are elective. The choice of the student's electives is governed by the particular phase of forestry in which he is interested. The main phases of technical forestry or allied fields are: General Forestry (Management, Administration, Protection, Silviculture, Utilization), Forest Business Administration, Forest Pathology, Forest Entomology and Wild Life Management.

Admission

For admission to the Faculty of Forestry it is required that the student shall have completed the First Year in Arts and Science, with credit for the courses shown below.

Required subjects are:

English 100 and 101

Mathematics 101

Biology 100

Chemistry 100 or 101

Language: one of the following—Latin 101,

French 101, German 90, 100, 101.

The passing grade for entrance to Forestry is 60 per cent. in each of Mathematics, Chemistry and Biology; for all other subjects a grade of 50 per cent. will be accepted.

No student with defective standing will be admitted to the First Year in Forestry.

Students intending to enter Forestry are advised to present Chemistry 91, Mathematics 91, and Physics 91 for University Entrance.

COURSES LEADING TO THE DEGREE OF B.S.A. (Bachelor of Science in Agriculture)

The degree of Bachelor of Science in Agriculture (B.S.A.) is granted as a General Course degree or with Honours. The General Course leading to the degree of B.S.A. covers a period of four years. The course leading to the degree of B.S.A. with Honours covers a period of five years and may be taken in various specialized fields of study.

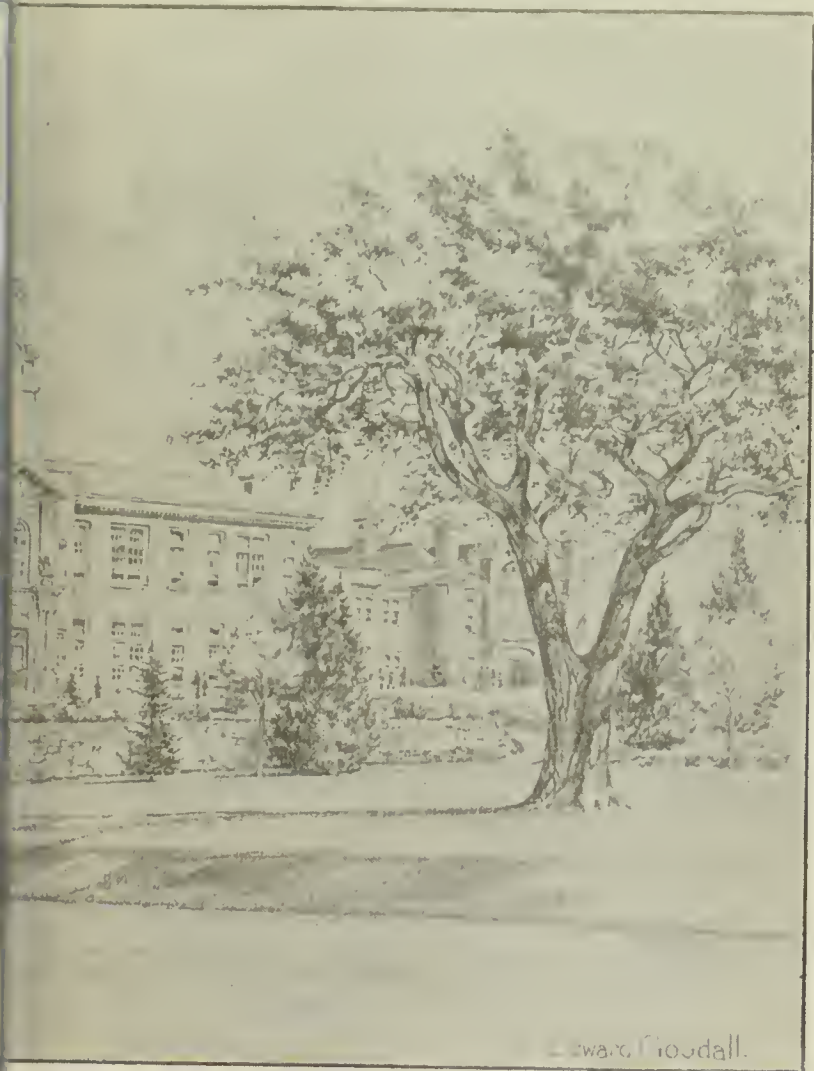
The requirements for the First Year consist of 16 units, as outline below:

- (a) Agriculture 100 (1 unit)
- (b) Biology 100
- (c) Chemistry 100 or 101
- (d) English 100 and 101
- (e) Mathematics 101
- (f) Elective (3 units)

Students taking one year's work at the College will lack four units of work in Agriculture which may be taken during the Second Year at the University.



Victoria College and
Provincial Normal School
Victoria, British Columbia



COURSE LEADING TO A DEGREE IN PHARMACY

The course in Pharmacy covers a period of four years following First Year Arts and Science, including twelve months of practical training.

For admission to Pharmacy it is required that the student shall have completed the First Year in Arts and Science with credit for the courses shown below and an average grade of at least 60 per cent., or that he shall have fulfilled these requirements by Senior Matriculation or similar work taken outside the University.

The required subjects are Chemistry 100 or 101; English 100 and 101; Mathematics 101; Physics 100 or 101 or Biology 100; and one optional subject to be chosen from Economics 100, French 101, Geography 101, German 90 or 100 or 101, History 101 or 202, Latin 90 or 101, Philosophy 100, Psychology 100.

COURSE LEADING TO BACHELOR OF LAWS

Candidates must present evidence of having:

- (a) graduated from an approved university; or
- (b) successfully completed the requirements of the School of Commerce in the combined B.Com., LL.B. course in the University of British Columbia; or
- (c) successfully completed the Arts and Science requirements in the combined B.A., LL.B. course and obtained in the Third Year of Arts and Science an average of not less than 60%; or
- (d) successfully completed the First and Second Years in the course leading to the degree of Bachelor of Arts in the University of British Columbia and obtained in the Second Year thereof an average standing of Second Class (65%) or higher; or
- (e) successfully completed the equivalent of (b), (c), or (d) at an approved university.

COURSE LEADING TO A DEGREE IN MEDICINE

Admission to the Faculty of Medicine will be based primarily upon ability and pre-medical achievement as demonstrated by scholastic records and aptitude tests, and upon personal qualities evidenced by interviews and letters of recommendation from persons who know the applicant well.

It is required that candidates shall have completed at least three years, beyond University Entrance requirements, at an approved Faculty of Arts and Science. This must represent not less than forty-eight (48) units or ninety-six (96) semester hours of work, including required pre-medical subjects. The minimum acceptable scholastic average is Second Class standing (65 to 80 per cent.), but, in view of the demand for medical education, candidates are unlikely to gain admission with scholastic records below high Second Class.

Pre-Medical Requirements

The requirements listed below apply to students taking their pre-medical work in the Faculty of Arts and Science at the University of British Columbia. Two years of the course may be taken at Victoria College.

English: English 100 and 101 (Literature and Composition), English 200 (Literature).

Mathematics: Mathematics 101 (Algebra, Geometry and Trigonometry). Mathematics 202 (Calculus) should be taken if advanced work in Physics, Physical Chemistry, or Biophysics is planned.

Chemistry: Chemistry 100 or 101 (General Chemistry), Chemistry 200 (Quantitative and Qualitative), Chemistry 300 (Organic Chemistry).

Physics: Physics 100 or 101 (Elementary Physics), Physics 220 (General Physics).

Biology and Zoology: Biology 100 (Introductory Biology), Zoology 200 (General Zoology), and Zoology 304 (Vertebrate Embryology). Biology 330 (Principles of Genetics) is recommended but not required.

Wherever possible, students should have completed six units of Psychology before entering upon the study of medicine.

PRE-NORMAL COURSE

This is a one-year course which fulfills the academic requirements for a First Class Teaching Certificate in the Province of British Columbia. It has been specially designed to dovetail with Normal School work.

The course contains neither Mathematics nor a Foreign Language, but is wholly composed of subjects that are of immediate and practical value to the teacher. It is open to all students with University Entrance, and carries 15 units of credit toward a degree in Arts.

The requirements for the year's work are as follows:

English 100 and 101

Psychology 100

History 202

An elective

Biology 100, or Chemistry 100 or 101, or

Physics 100 or 101 or 103, or Geography 101.

DOUBLE DEGREES

Students who are planning to take a double degree are advised to consult the University Calendar.

EVENING DIVISION

Director: Robert T. D. Wallace, M.A.

Regular First and Second Year courses in Arts are offered in the evenings at Victoria College. An opportunity to register for these courses is provided during September and any course for which there is sufficient registration will be given. The Evening Division term is the same as that of the Regular Session and classes are conducted on Tuesday and Thursday evenings at 7:30 p.m. No student may take more than one Evening Division Course (3 units) each session.

In addition to the Regular Credit Courses, the Evening Division offers a limited number of non-credit courses. The courses to be offered in the fall of 1951 will be announced during the late summer and registration by mail will be arranged early in September.

EXAMINATIONS AND ADVANCEMENT

EXAMINATIONS

1. Examinations in all subjects, obligatory for all students, are held in December and in April.

2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period. In cases of illness, a medical certificate must be presented to the Registrar's office.

3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive any credit for the course. If the course is repeated no exemption will be granted from the work in either part.

Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 80%; Passed, 50 to 65%.

2. (a) A student taking 9 or more units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes in courses totalling at least 9 units, including the course in question. The passing grade for a course is 50%.

(b) A student taking less than 9 units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes in all his courses. The passing grade for a course is 50%.

3. Courses for which credit has not been obtained must be repeated, or permissible substitutes taken, in the next regular session attended. In the Winter Session the total of all courses taken may not exceed 18 units.

4. Term essays and examination papers will be refused a passing mark if they are deficient in English; and, in this event, students will be required to pass a special examination in English to be set by the Department of English.

Supplementals

1. In the Winter Session, a candidate will be granted a supplemental in a subject which he has taken during the Session provided (i) he has written the final examination and has obtained a final mark of not less than 35%; and (ii) he has obtained at least 9 units of credit in that Session. In any one session, no candidate will be granted supplementals in more than 6 units. In an Evening Division Course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 35%.

2. If a supplemental granted in a course is passed with a grade of at least 50%, credit will be given for the course.

3. A candidate who has been granted a supplemental may write it only once. If he fails, he must repeat the course or take a permissible substitute.

4. Supplemental examinations, covering the work of both the First and Second Terms, will be held in August or September.

5. Applications for supplemental examinations, accompanied by the necessary fees, must be in the hands of the Registrar by August 1st.

Notice will be sent to all students who are entitled to supplemental examinations.

Re-Readings

1. Any request for the re-reading of an answer paper must reach the Registrar within two weeks after the announcement of examination results and must be accompanied by a fee for each paper of \$2.00, which will be refunded only if the mark is raised.

2. Each applicant for a re-reading must state clearly why he believes the content of his paper to deserve a mark higher than it received; pleas on compassionate grounds should not form part of this statement and prospective applicants should remember that

a paper with less than a passing mark has been read at least a second time before results are announced.

3. Re-readings will not be permitted in more than two papers (6 units) in the work of one academic year, and in one paper (3 units) in a partial course of 9 units or less.

Unsatisfactory Standing

1. A student with standing defective in respect of more than 3 units, although he will not be permitted to register in a higher year, may be allowed to continue by registering in the lower year and by taking courses in accordance with Paragraph 3 under "Standing and Credit."

2. A student who, twice in succession, fails to obtain credits in the Winter Session may, upon the recommendation of Faculty, be required by the College Council to withdraw from the College.

3. Any student whose academic record, as determined by the tests and examinations of the First Term of the First or Second Year, is found to be unsatisfactory, may upon the recommendation of the Faculty be required by the College Council to discontinue attendance at the College for the remainder of the Session.

COURSES IN ARTS AND SCIENCE

The number of units assigned to a course is given in round brackets immediately following the course number. Thus 100 (3) under Biology indicates that Biology 100 is a three-unit course.

The hours assigned for laboratory, lectures and tutorials in a course are indicated as follows:

- 2 lectures and 3 hours laboratory per week, both terms. [2-3; 2-3]
- 1 lecture and 2 hours laboratory per week, First Term. [1-2; 0-0]
- 1 lecture and 2 hours laboratory per week, Second Term. [0-0; 1-2]
- 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, both terms. [2-3-2; 2-3-2]
- 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, either term. [2-3-2]

BIOLOGY

Biology 100 is prerequisite to all other courses in Biology and Botany, and to all courses in Zoology.

100. (3) **Introductory Biology.**—The course is introductory to more advanced work in General Biology, Botany, or Zoology; also to courses closely related to biological science, such as Agriculture, Forestry, Medicine, Nursing, Pharmacy, Fisheries, Home Economics. Principles of biology; interrelations of plants and of animals; life processes; the cell and division of labour; life-histories: relation to environment; dynamic biology.

Text-book: Marsland and Plunkett, *Principles of Modern Biology*, Holt. [3-3; 3-3]

BOTANY

Botany 200 is prerequisite to all other courses in Botany, and for Honours in Zoology.

200. (3) **General Botany.**—General perspective of the plant kingdom, physiological anatomy, ecological relations, and development trends. Prerequisite: Biology 100.

Reference: Holman and Robins, *General Botany*, Wiley. [3-3; 3-3]

CHEMISTRY

100. (3) **General Chemistry.**—Designed to follow Chemistry 91 and primarily for science and engineering students. Fundamental theories, periodic table, inorganic reactions, chemical calculations. Prerequisites, University Entrance Chemistry 91, and Mathematics 101. The latter may be taken concurrently.

Text-book: Hildebrand, *Principles of Chemistry*, combined volume, 5th ed., Macmillan. [3-3; 3-3]

101. (3) **General Chemistry.**—For students with no previous chemistry. Includes the topics of both Chemistry 91 and Chemistry 100. Mathematics 101 must precede or be taken concurrently.

Text-book: Briscoe, *College Chemistry*, Houghton Mifflin. [5-3; 5-3]

200. (3) **Quantitative and Qualitative Analysis.** — Principles of chemistry with special emphasis on analytical procedures; reactions of the common ions; ionic equilibria in solution. Prerequisite: Chemistry 100 or 101.

Text-books: Reedy, **Theoretical Qualitative Analysis**, McGraw-Hill; Willard, Furman and Flagg, **Quantitative Analysis**, Van Nostrand. [2-6; 2-6]

210. (3) **Elements of Organic Chemistry.**—A study of the more important families of organic compounds both aliphatic and aromatic, with particular reference to their physiological importance. Representative synthesis will be performed in the laboratory. Pre-requisite: Chemistry 100 or 101. Credit will not be given for both Chemistry 210 and 300.

Text-book: Fieser and Fieser, **Organic Chemistry**, (Abridged Edition), Heath.

Laboratory text-book: Boord, Brode and Bossert, **Laboratory Outlines and Notebook for Organic Chemistry**, Wiley. [3-3; 3-3]

COMMERCE

Commerce 151 is open only to those students who are permitted to register in the Second Year.

151. (3) **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: Howard S. Noble, **Accounting Principles**, Fifth Edition, South Western Publishing Co. [4-0; 4-0]

ECONOMICS

Economics 200 is a prerequisite for all other Economics courses except 100 and 140. Credit will not be given for both Economics 140 and 200.

100. (3) **Economic History of Europe.**—Influence of natural resources, climate, geography, discoveries, inventions, enterprise, investment, labour and government on the development of Europe from primitive times to the present day. Prerequisites: None.

Text-book: Heaton, **Economic History of Europe**, Revised Edition, Harpers. [3-0; 3-0]

200. (3) **Principles of Economics**.—The agencies, institutions and processes involved in providing for society's material well-being; division of labour and exchange; roles of money, prices and profits; determinants of income, employment, and the standard of living. Prerequisites: First Year standing; Mathematics 101 (may be taken concurrently).

Text-book: Logan and Inman, **A Social Approach to Economics**, Second Edition, University of Toronto Press; Allen, Morgner, Strotz, **Problems for Economic Analysis**, Prentice-Hall. [3-0; 3-0]

ENGLISH

Prerequisites

All students in First Year are required to take English 100, 101. English 100, 101 or its equivalent in Senior Matriculation is prerequisite to English 200 or 205.

Students who have failed either part of English 100, 101 will be required to repeat both parts. No further courses in English may be taken until both parts have been passed.

First Year

100, 101. (3) **Literature and Composition**.—Elementary study of the short story, the play, the essay, the simpler sorts of poetry. Elementary principles of composition. Themes and exercises are required. This course is not divisible, for purposes of credit, into two parts.

Texts: **A Little Treasury of Modern Poetry**, Revised Edition, ed. O Williams; **Masters of the Modern Short Story**, ed. Havighurst; Shakespeare, **Othello** and **Midsummer Night's Dream**; Shaw, **Pygmalion** and **Saint Joan**. Composition text to be announced. [4-0; 4-0]

Second Year

200. (3) **Literature**.—Studies in English Literature from Tottel's **Miscellany** to Keats. Stress will be placed on the major authors. Essays will be required.

Texts: *The College Survey of English Literature*, Revised Edition, Whiting, et al.; Shakespeare, *Hamlet* and *Henry IV, Part 1*; Austen, *Pride and Prejudice*; Fielding, *Tom Jones*. [3-0; 3-0]

205. (3) **English Composition and Literature.**—Designed for students in the Faculty of Agriculture, and in Architecture, Commerce, Physical Education, Pharmacy, and Home Economics. Training in advanced composition, in research, and in the preparation of term papers and reports. Selected readings from various types of modern writing. Reports and essays are required.

Texts: McCallum, *The College Omnibus*, 6th edition, 1947; Bowyer, Bond, Herron, Brooks, *Better College Composition*; *The Preparation of Term Essays*, University of B.C. [3-0; 3-0]

FRENCH

101. (3) **First Year University French.**—Considerable written work will be required throughout the course, as one of the chief aims will be to develop an ability to write correct French sentences. Prerequisite: University Entrance French or its equivalent.

Texts: Barton and Sirich, *Simplified French Review Grammar and Composition*, 1942, Crofts; *Contes Modernes*, revised edition, 1949, Yale University; *Four Contemporary One-Act Plays*, A. G. Fite, 1931, Heath; *Les Cent meilleurs poèmes lyriques*, Gowans and Gray. [3-0; 3-0]

202. (3) **Second Year University French.**—Composition in French based on the texts listed below. Much time will be devoted to practice in writing paragraphs and short essays. There will be oral practice and tests. Prerequisite: French 101 or its equivalent.

Texts: Romains, *Knock*, Menut and Chapman; Flaubert, *Madame Bovary*; Cantanès and Robert, *Promenades littéraires et historiques*; Buffum, *Stories from Balzac*. [4-0; 4-0]

203. (3) **The Background of Modern French Literature.**—Instruction in the organization of work; training in speech and writing. Open to students preparing for Honours.

Texts: Balzac, *Le Père Goriot*; *Poètes Français du XIXe Siècle*; Shields, *Parlons français*; Ledesert, *Histoire de la Littérature Française*. [3-0; 3-0]

GEOGRAPHY

Students intending to major or honour in Geography are required to take Geography 101 as a prerequisite to all other courses in Geography.

101. (3) **Elementary Physical Geography**.—Introductory course; the study of maps and map reading, land forms, processes of weathering, erosion, diastrophism, materials of the earth's crust, climate, and history of the earth; laboratory: elementary surveying and map making; interpretation of climatic, distribution and topographic maps; the study of common minerals, rocks and fossils.

Texts: Thompson, *Fundamentals of Earth Science*, 1947, Appleton-Century. Shearer, *Laboratory Exercises in Physical Geography and Earth Science*, McGraw-Hill. [3-2; 3-2]

201. (3) **Human and 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.

Texts: Case and Bergsmark. *College Geography*, 1949, Wiley. [3-0; 3-0]

202. (3) **Weather and Climate**.—Elementary study of weather phenomena; practical weather observations and recording; analysis of daily weather maps; climatic classification and description; distribution of climatic types.

Text: Trewartha, *An Introduction to Weather and Climate*, 2nd edition, 1943, McGraw-Hill. [3-2; 3-2]

GEOLOGY

200. (3) **General Geology**.—Introductory course: "Physical Geology," including weathering, ground water, stream, glacier and wind action, the ocean and its work, earth structure, earthquakes, vulcanism, intrusions,

metamorphism and mineral deposits; "Historical Geology" includes history of the earth and its life. Prerequisites: Chemistry 100 or 101 and Physics 100, 101, or 103 before or concurrently.

Text: Longwell, Knopf, Flint, Schubert, and Dunbar, *Outlines of Geology*, 1941, Wiley. [3-2; 3-2]

GERMAN

90. (3) **Beginners' Course.**—Greenfield, *An Outline of German Grammar*, revised edition, Barnes and Noble. Reader to be announced. [4-0; 4-0]

100. (3) Prerequisites: University Entrance or German 90.

Texts: Russon, *Complete German Course*, Longmans; Kastner, *Die verschwundene Miniatur*, Heath; Bruns, *Book of German Lyrics*, Heath; Kurtz, *Drei Novellen*, 1949, Prentice-Hall. [4-0; 4-0]

101. (3) **Scientific German.**—Scientific German for students majoring in natural sciences; review of essentials in German grammar and composition. Prerequisites: University Entrance or German 90.

Texts: Wild, *An Introduction to Scientific German*, Oxford; Wild, *An Anthology of Scientific German*, Oxford; Russon, *Complete German Course*, Longmans. [4-0; 4-0]

GREEK

Greek 101 is open to students who have presented Greek for University Entrance; Greek 202 is open to students who have passed in Greek 90 with at least Second Class standing, or in Greek 101, or in Senior Matriculation Greek.

90. (3) **Beginners' Greek.**—The elements of Attic Greek.

Text-book: Crosby and Schaeffer, *An Introduction to Greek*. [4-0; 4-0]

101. (3) **Introduction to Greek Prose Authors.**

Text-books: Crosby and Schaeffer, *An Introduction to Greek*; Robertson and Robertson, *The Story of Greece and Rome*, chap. I-XXXII. Text: Xenophon, *The First Four Books of Xenophon's Anabasis*, Goodwin and White. [4-0; 4-0]

202. (3) **Greek Literature of the Classical Period.**—Plato's account of Socrates' defence at his trial; a play of Aeschylus; practice in composition; brief survey of Greek literary history.

Text-books: North and Hillard, **Greek Prose Composition**; C. M. Bowra, **Ancient Greek Literature**. Texts: Plato, **Apology**, Dyer and Seymour; Aeschylus, **Prometheus Vincetus**, Sikes and Willson. [4-0; 4-0]

HISTORY

Students who intend to major in History, or to enter the Teacher Training Course with a major in History must obtain credit in at least one course normally offered in the first two years in addition to the three courses required in the Third and Fourth Years.

101. (3) **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 202 will be required for Honours. Essays will be assigned throughout the Session.

Text: Zebel, **Europe Since 1870**, Longman's.

[3-1; 3-1]

202. (3) **The History of Canada.**—Introductory general course required for Second Year Honours credit. Essays will be assigned throughout the Session.

Text: Wittke, **History of Canada**, McClelland and Stewart.

[3-0; 3-0]

203. (3) **Canada West of the Great Lakes.**—The place of Western Canada in Canadian development. Essays will be assigned throughout the Session.

Texts: Lower, **Colony to Nation**, Longman's; Wrong, **The Canadians**, Macmillan; Creighton, **Dominion of the North**, Houghton Mifflin; Sage, **Canada from Sea to Sea**, University of Toronto.

[3-0; 3-0]

(Not given in 1951-52.)

304. (3) **Mediaeval Europe, 500-1300.**—A general outline of mediaeval history from the fall of the Roman Empire to the 13th century. Essays will be assigned throughout the Session.

Text: Stephenson, **Mediaeval History**, revised edition, Harpers.

[3-0; 3-0]

LATIN

Latin 101 is open to students who have presented Latin for University Entrance or have taken Latin 90 in the University; Latin 202 is open to those who have passed in Latin 101 or in Senior Matriculation Latin.

90. (3) **Beginners' Latin.**—For students with no previous knowledge of Latin; for credit only to students who have not offered Latin for credit at University Entrance.

Text-book: **Latin Fundamentals, Third Edition**, Hettich and Maitland. [4-0; 4-0]

101. (3) **Introduction to Latin Literature.**—Selections from prose authors; selections from representative poets of the late Republic and early Empire; practice in composition; history of Rome.

Text-books: **Latin Fundamentals, Third Edition**, Hettich and Maitland; **Robertson and Robertson, The Story of Greece and Rome, Chapters XXXIII-LIV**, Dent; **A Book of Latin Prose Selections**, Neville, Dale, Breslove and Tracy, Macmillan; **A Book of Latin Poetry**, Neville, Joliffe, Dale and Breslove, Macmillan. [3-0; 3-0]

202. (3) **Prose and Poetry of the Golden Age.**—Prose of Cicero; the developed epic as represented by Virgil; history of Greece.

Text-books: **Robertson and Robertson, The Story of Greece and Rome, Chapters I-XXXII**, Dent; **Cicero, Catilinarian Orations**, Upcott, Oxford University Press; **Virgil, Aeneid VI**, Page, Macmillan. [3-0; 3-0]

MATHEMATICS

101. (3) **Algebra, Geometry and Trigonometry.**—Logarithms, theory of quadratic equations, permutations, combinations, binomial theorem, determinants, straight line, circle, parabola, ellipse, and hyperbola; elementary trigonometry.

Text-book: **Sisam, College Mathematics**, Holt.

Prerequisite: **Mathematics 91**. [4-0; 4-0]

Prerequisite: **Mathematics V**. (See note 6 page 28). [4-3; 4-3]

Mathematics 101 is prerequisite to the following courses:

200. (3) **Algebra and Geometry.**—Mathematical induction, complex numbers, theory of equations, determinants; conics, polar co-ordinates, and solid analytic geometry.

Text-book: Sisam, *Collegc Mathematics*, Holt.

[3-0; 3-0]

201. (3) **The Mathematical Theory of Investments.**—Theory of interest, annuities, debentures, valuation of bonds, sinking funds, depreciation, probability and its application to life insurance.

[3-0; 3-0]

Text-book: Simpson, Pirenian, Crenshaw, *Mathematics of Finance*, Prentice-Hall.

[3-0; 3-0]

This course may not be counted in the units required for a major in Mathematics. Primarily for students in Commerce.

202. (3) **Calculus.**—Introduction to differential and integral calculus, with applications.

Text-book: Lloyd L. Smail, *Calculus*, Appleton-Century.

[3-0; 3-0]

PHILOSOPHY

100. (3) **Introduction to Philosophy.**—Problems of philosophy with emphasis upon proposed solutions of problems of today.

Text: Mead, *Types and Problems of Philosophy*, Holt.

[3-0; 3-0]

205. (3) **General History of Philosophy.**—Philosophy from the Greeks to the present. Primarily for General course students. Students who have taken Philosophy 100 may not enroll for this course without permission of the instructor.

Text: Rogers, *Students' History of Philosophy*, Macmillan.

[3-0; 3-0]

PHYSICS

Note. Students who plan to take only one course in Physics, either to meet the calendar requirements for a science or to acquire some knowledge of the modern physical world, are advised to take Physics 103. All who

propose to take an Honours course in science, or any professional course, must take either Physics 100 or 101.

100. (3) **Elementary Physics.**—Principles of mechanics, properties of matter, heat, light, sound, electricity, and some of the more recent developments in physics. Primarily for Honours science and engineering students. Prerequisite: University Entrance Physics 91. Mathematics 101 must precede or be taken concurrently with this course.

Text-book: Stewart, **Physics, A Text-book for Colleges**, 5th edition, Ginn. [3-2; 3-2]

101. (3) **Elementary Physics.**—Principles of mechanics, properties of matter, heat, light, sound, electricity and some of the more recent developments in physics. Prerequisite: Mathematics 101 must precede or be taken concurrently with this course.

Text-book: Stewart, **Physics, A Text-book for Colleges**, 5th edition, Ginn. [3-2-2; 3-2-2]

103. (3) **A Survey of Physics.** — Principles of physics in non-mathematical language, principles of mechanics, heat, light, sound, electricity and atomic structure. Students who have received credit for Physics 100 may not take this course.

Text-book: White, **Classical and Modern Physics**, Van Nostrand. [3-2; 3-2]

200. (3) **Mechanics, Heat and Molecular Physics.**—Coplanar forces, Newton's Laws of Motion, friction, calorimetry, gas laws, and kinetic theory, radiation and conduction, entropy and second law of thermo-dynamics. Prerequisite: Physics 100 or 101. Mathematics 200 and 202 should be taken concurrently with this course, which is intended only for students majoring in science.

Text-books: Duncan and Starling, **Dynamics**, Macmillan; Tyler, **Intermediate Heat**, Longman's, Green.

[3-3; 3-3]

PSYCHOLOGY

Psychology 100 is a prerequisite for all courses in Psychology.

100. (3) **Introductory Psychology.**—A scientific and practical study of the basic forms of human thinking, emotion, and activity.

Text-book: Munn, *Psychology*, revised edition, Houghton Mifflin. [3-0; 3-0]

202. (3) **Mental Hygiene**.—Origin and modification of behaviour, varieties of adjustive behaviour, mental hygiene.

Text-book: White, *The Abnormal Personality*, Ronald Press. [3-0; 3-0]

Note. A psychological service is available to students who wish to be informed regarding their vocational aptitudes.

SOCIOLOGY

The prerequisite for Third and Fourth Year courses in Sociology is either Economics 200 or Sociology 200. The prerequisite may be taken concurrently with the advanced courses.

200. (3) **Introduction to Sociology**.—The significance of geographic, biological, psychological, and cultural factors in the rise, growth and functioning of groups; the interrelations of fundamental principles and of the institutions of the local community; social problems.

Text-books: Gillin and Gillin, *Cultural Sociology*, Macmillan; Ruth Benedict, *Patterns of Culture*.

[3-0; 3-0]

ZOOLOGY

Biology 100 is prerequisite to all courses in Zoology.

200. (3) **General Zoology**.—Structure, classification, life histories, and biology of animals.

This course is prerequisite to other courses in Zoology except in the case of students in Agriculture and Forestry who wish to take courses in entomology but do not intend to major in it.

References: Storer, *General Zoology*, McGraw-Hill; Hegner, *College Zoology*, 4th edition, Macmillan; Buchsbaum, *Animals Without Backbones*, University of Chicago; Romer, *Man and the Vertebrates*, University of Chicago.

[3-3; 3-3]

REGISTRATION FOR 1950-51

Regular Session

	MEN	WOMEN	TOTAL	EX-SERVICE
First Year Arts and Science	151	74	225	3
Second Year Arts and Science	51	32	83	4
Second Year Commerce	9	2	11	-
Totals	211	108	319	7

Evening Division

Second Year (for credit)	7	13	20	
Second Year (Auditor)	6	8	14	
Totals	13	21	34	

Evening Division Non-Credit

Courses	236	242	478	
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UNIVERSITY NAVAL TRAINING DIVISION

Since the war the U.N.T.D. has functioned as a permanent peace-time Naval Training Unit for students who are interested in the Navy. Successful applicants are attested in the fall as ordinary seamen in the R.C.N. (Reserve) on Divisional Strength at H.M.C.S. Malahat. Prior to February 1st they appear before an Officers' Selection Board and, if passed by the Board, are promoted to Cadets R.C.N. (R). Upon completion of a four year training syllabus Cadets qualify for a commission in the R.C.N. (Reserve) and may apply for a permanent force commission. Training involves one evening per week during the College session and a minimum of two full summers' training during vacation periods, and at least two weeks' duty in two other vacation periods. Provision is made for those who desire additional sea duty. Pay for the full summer training period is considered adequate to finance a year at College.

Training during the College year is conducted aboard H.M.C.S. Sault Ste. Marie, a ship of the Reserve Fleet attached to H.M.C.S. Malahat. Information may be obtained through Staff Officer, H.M.C.S. Malahat. Applications are to be submitted at the College to the Recruiting Officer on or after September 20th, 1951.

CANADIAN OFFICERS' TRAINING CORPS

The U.B.C. Contingent of the C.O.T.C., of which the Victoria College detachment forms a part, was re-established in 1928 and has operated continuously since that time.

With the return of peace after the Second World War, military training was placed on a voluntary basis. The newly-revised programme governing training in the C.O.T.C. provides an opportunity for selected students to qualify for commissions in the Canadian Army, Active and Reserve. Prospective officer candidates are required to apply in writing for admission to the C.O.T.C. Upon acceptance, the candidate is appointed as an Officer Cadet with the rank and status of a 2/Lt. at a pay rate of \$165 per month plus allowances. He is required to devote a minimum of three hours per week at the College to theoretical training during the Winter Session and from 3½ to 5 months each summer in training at the various Active Force Corps Schools across Canada. On the successful completion of his military training and, in the case of engineers, upon graduation from the University, the Officer Cadet emerges qualified for the rank of Captain in the Reserve Force and for the rank of Lieutenant in the Active Force. A number of these officers are accepted into the Active Force each year. Many applicants for the Active Force are accepted during their final year at University, during which year they are placed on full pay and allowances as officers.

All inquiries for information should be directed to the Officer Commanding, Victoria College Detachment C.O.T.C. (Major R. T. Wallace). Consultation with the Resident Staff Officer may be had at the College when the academic year opens in September.

SCHOLARSHIP WINNERS FOR 1949-50

- University Scholarships and Chris Spencer
 Foundation Scholarships for University Entrance—
- | | |
|------------------------------------|--|
| Highest standing in Province | Beverley J. Fulton |
| Second highest standing in Prov. | Janice M. Bacon
and Vancouver student |
| School Dist. 61 (Greater Victoria) | Elaine M. Moore |
| School Districts 62-74 | Audrey N. Twa |
- Victoria Women's Canadian Club Scholarships—
 (from University Entrance) M. Joan Whitten
 Robert Affleck
- Cecilia Green Memorial Scholarship—
 (from University Entrance) G. Jeanne Elliot
- Captain F. G. Dexter Memorial Scholarship—
 (from University Entrance) David R. Francis
- Oak Bay Kiwanis Club Scholarship—
 (from University Entrance) Sylvia C. Southin
- B.C. Command, Canadian Legion, B.E.S.L. Scholarship—
 (from University Entrance) Patricia M. McKinnon
- Victoria Branch, Provincial Employees' Association
 Scholarship (from Univ. Entrance) Herbert G. Ingram
- Charlesworth Memorial Scholarship—
 (from University Entrance) Isabel H. Helgesen
- Percy H. Elliott Memorial
 Scholarship Peter L. Smith
- Royal Institution and Frank Eaton Memorial
 Scholarship John J. Sheppy
 by reversion from Gordon W. Young
- Alliance Francaise Prize Gordon W. Young
- T. Eaton Company (B.C.) Limited
 Scholarship David J. Ballantyne
 by reversion from Garth Jones, R. Reid Taylor
 and Peter L. Smith (equal)
- Kiwanis Scholarship Peter L. Smith

Quita Nichol Bursaries—

(second year)	Donald G. Irvine
First Year	Patricia J. Carstens
	Denis T. Dowman
by reversion from	Peter L. Smith
University Women's Club Scholarship	Jacqueline P. Sawyer
Kathleen Agnew Scholarship	Sheila L. Sinnamon
Hudson's Bay Company Scholarship	Gordon W. Young
Sidney Roofing and Paper Company Scholarship	K. Diane Sawyer
The Canadian Legion, B.E.S.L. (Victoria, B.C.) Sir Percy Lake Memorial Scholarship	John J. Sheppy
The British Columbia Electric Railway Company, Limited, Scholarship	G. LeRoy B. Nelms
The British Columbia Electric Railway Company, Limited, Proficiency Scholarship — (awarded through the University of British Columbia)	A. Ronald Forbes
The British America Paint Company Scholarship	Garth Jones
by reversion from	Peter L. Smith
Victoria Gyro Club Scholarship	Alan R. A. Yeoman
Victoria Municipal Chapter Imperial Order of the Daughters of the Empire Scholarship	Jacqueline P. Sawyer
Kinsmen Club of Victoria Scholarship	Patricia E. A. George
Esther Pearce Memorial Prize	Patricia J. Carstens
John Wesley Church Memorial Scholarship	Lorraine A. Watt
by reversion from	Peter L. Smith

Ker Scholarship	Robert H. Benson
The Ahepa Scholarship	Ruth C. Jeffrey
by reversion from	Peter L. Smith
The Victoria Lions Club Scholarship	Douglas E. Bebb
The Victoria Rotary Club Scholarship	Shirley W. Waite
by reversion from	Peter L. Smith
The British Columbia Cement Company, Limited, Scholarship	Gordon A. Stewart
by reversion from	Douglas E. Bebb
The Spencer Scholarship	Maureen A. Cromie
by reversion from	Gordon W. Young
The British Columbia Telephone Company Scholarship	Kenneth Lee
The Arthur S. Denny Scholarship	R. Anne Henderson
The Wylie Prize	Raymond Wehner
The John Maltwood Bursary	M. Patricia Leech
The Madame Sanderson Scholarship	Maureen A. Cromie
Gruen Gold Wrist Watch	Peter L. Smith
Birks Gold Watch	Raymond Wehner
Book Prize for English	Peter L. Smith
Slide Rule Prizes for Science	K. Diane Sawyer Garth Jones
Book Prizes for French	Maureen A. Cromie Peter L. Smith
Book Prize for Zoology	K. Diane Sawyer
Book Prize for Botany	A. Ronald Forbes
Book Prize for Biology	Walter C. McDonald

LIST OF STUDENTS IN ATTENDANCE
SESSION 1950-51

FIRST YEAR

*First Term only

†Second Term only

Affleck, Robert	Victoria, B.C.
Ainscough, Brian D.	Victoria, B.C.
Alexander, Ernest	Victoria, B.C.
Alexander, Norman E.	Victoria, B.C.
*Allan, Earl R.	Victoria, B.C.
Allan, D. Victor	Victoria, B.C.
Allen, Donald B.	Victoria, B.C.
Allen, Margaret H.	Victoria, B.C.
Allingham, Arden W.	Campbell River, B.C.
Arnott, Diana P.	Victoria, B.C.
Atwood, William H.	N. Kamloops, B.C.
Bacon, Janice M.	Victoria, B.C.
Balcom, Marilyn R.	Victoria, B.C.
Barnes, E. Roy	Victoria, B.C.
*Barnes, Kenneth B.	Crofton, B.C.
Bassett, Brian N.	Victoria, B.C.
Baxter, James C.	Victoria, B.C.
Bell, R. Douglas	Victoria, B.C.
Biddle, Joan E.	Victoria, B.C.
Biddle, John N.	Victoria, B.C.
Bleathman, Alan R.	Royal Oak, B.C.
Bolton, Richard J.	Victoria, B.C.
Boulter, Lawrence R.	Victoria, B.C.
Bowden, Gerald W.	Victoria, B.C.
Brinkworth, Darlene A.	Victoria, B.C.
Bromley, Maureen A.	Victoria, B.C.
Brown, James A.	Victoria, B.C.
Brynjolfson, J. Einar	Victoria, B.C.
Burgess, Barbara A.	Victoria, B.C.
Cabeldu, H. Annette	Sidney, B.C.
Campion, Ronald G.	Victoria, B.C.
Carley, D. Mark	Victoria, B.C.
*Catterall, Alan W.	Victoria, B.C.
Cheeke, G. A. Richard	Shawnigan Lake, B.C.

*Chisholm, Duncan	Victoria, B.C.
Chisholm, Richard H.	Victoria, B.C.
Clarke, Robin C. M.	Victoria, B.C.
Clarkson, Bernard A.	Victoria, B.C.
Cliffe, Allen W.	Victoria, B.C.
Clifford, Dianne F.	Victoria, B.C.
Coates, John A.	Langford, B.C.
Conder, Geraldine J.	Sooke, B.C.
*Cormack, George D.	Victoria, B.C.
Craven, Geoffrey H.	Victoria, B.C.
Cromie, Michael V.	Victoria, B.C.
Dalby, Virginia C.	Victoria, B.C.
Dalen, Sylvia A.	Victoria, B.C.
Donaldson, W. Russell	Victoria, B.C.
Douglas, Ian M.	Victoria, B.C.
Duckitt, William G.	Victoria, B.C.
Duncan, Brian H.	Duncan, B.C.
Edwards, John C. S.	Victoria, B.C.
Elliot, G. Jeanne	Victoria, B.C.
Elliott, Robert A.	Victoria, B.C.
Ells, Audrey F.	Victoria, B.C.
Erwin, A. Owen	Victoria, B.C.
Evenden, Meryl A.	Victoria, B.C.
Fall, Stewart T.	Cobble Hill, B.C.
Fisher, Joan M.	Victoria, B.C.
Forbes, L. Mackenzie	Victoria, B.C.
Foster, Barbara R.	Royal Oak, B.C.
Foucher, Maurice	Duncan, B.C.
Francis, David R.	Victoria, B.C.
Fraser, Roderick J.	Victoria, B.C.
Fulton, Beverley J.	Victoria, B.C.
Garner, Bruce W.	Victoria, B.C.
Garner, William J.	Victoria, B.C.
Gibbs, Marion E.	Victoria, B.C.
Gilbert, James H.	Brentwood Bay, B.C.
Gilmore, M. Elizabeth	Victoria, B.C.
Goddard, Patricia L.	Duncan, B.C.
Godson, Denis A.	Victoria, B.C.
Goodland, Katharine M.	Victoria, B.C.

Gowan, Marilyn E.	Victoria, B.C.
Graham, Malcolm D.	Victoria, B.C.
*Grant, Alan M.	Victoria, B.C.
Graves, C. Fredric	Victoria, B.C.
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- Mr. Robert Doe, Victoria:—Shells from South Pacific.
- Mr. W. G. Fields, Victoria: — Titanotheres teeth from Cypress Hills, Sask.; polished section of agatized wood from Petrified Forest of Arizona; numerous fossil Cephalopods.
- Mr. John Ford, Victoria:—Corals from South Pacific.
- Lady Richard Lake, Victoria:—Collection of shells and corals from Dewgard's, London, Eng.
- Dr. Alex. Amith, Vancouver:— Eocene plant fossils collected near Bellingham, Wash.
- Mr. and Mrs. H. C. Wakelyn, Victoria: — Dinosaur bones, some opalized, from Red Deer, Alberta.
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- Lady Richard Lake:—Collection of fossils.

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J. L. Climenhaga, A. McKellar,* and R. M. Petrie,*
Spectrographic Observations of Epsilon Ursae Minoris.

W. G. Fields, A Preliminary Report on the Fishery
and on the Biology of the Squid, *Loligo Opalescens*.

John M. Ewing—Addresses.

“Education in an Era of Conflict”—Sept. 5, 1950,
Opening Institute of Seattle Schools.

“A Twentieth Century Educational Philosophy”
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