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ANNOUNCEMENT
OF
THE SUMMER SESSION

SUPPLEMENT
TO
CALENDAR 1935-36

SEVENTEENTH SESSION
JULY 6TH TO AUGUST 21ST, 1936

VANCOUVER, BRITISH COLUMBIA

DATES

JULY		
6th	Monday Tuesday - - - - -	Supplemental Examinations. Last day for registration of all students. Lectures begin at 8:00 a.m.
10th	Friday - - - - -	Last day for changes in students' courses. Last day for payment of fees.
AUGUST		
19th	Wednesday - - -	Last day of lectures.
20th	Thursday - - - - -	Final Examinations.
21st	Friday - - - - -	

TIME-TABLE OF LECTURES

MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY

8 a.m.—	Chemistry 1 Economics 1 Education *	English 2 English 17 History 18	Latin 4 Mathematics 1 Mathematics 10	Philosophy 7 Physics 1 and 2
9 a.m.—	Chemistry 1 Economics 1 Education *	English 2 English 17 History 18	Latin 4 Mathematics 1 Mathematics 10	Philosophy 7 Physics 1 and 2
10 a.m.—	Chemistry 2 (except Wed.) Economics 6 English 19 (b)	French 2 Geography 1 Beg. German	German 2 History 1 Latin 1 (a)	Philosophy 1 (a)
11 a.m.—	Chemistry 2 (except Wed.) Economics 6 English 19 (b)	French 2 Geography 1 Beg. German	German 2 History 1	Latin 2 (a) Philosophy 1 (a)
12 noon—				
1 p.m.—	Biology 1 (a) Education 1	English 5 French 1	French 3 (c) History 4	Philosophy 1 (b)
2 p.m.—	Biology 1 (a) Education 1	English 5 French 1	French 3 (c) History 4	Philosophy 1 (b)

Note.—The laboratory hours in Biology, Chemistry and Physics will be arranged.

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

*Course to be arranged.

Officers and Staff

R. E. McKechnie, C.B.E., M.D., C.M., LL.D., F.A.C.S., F.R.C.S. (Can.), Chancellor.

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

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

Lemuel Robertson, M.A., Director.

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

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

A. MacLucas, Bursar.

John Ridington, Librarian.

BIOLOGY 1 (a)—A. W. Haupt, Ph.D., Assistant Professor of Botany, University of California at Los Angeles.

CHEMISTRY 1—William Ure, M.A.Sc., Ph.D., Assistant Professor.

CHEMISTRY 2—E. H. Archibald, B.Sc., A.M., Ph.D., F.R.S.E.&C., Professor.

ECONOMICS 1—C. W. Topping, B.A., S.T.S., A.M., Ph.D., Associate Professor.

ECONOMICS 6—G. F. Drummond, M.A., M.Sc. (Econ.), Associate Professor.

EDUCATION 1—C. B. Wood, A.M., Lecturer.

EDUCATION—To be arranged.

ENGLISH 2—Earle Birney, M.A., Lecturer.

ENGLISH 5—Thorlief Larsen, M.A., B.A., F.R.S.C., Associate Professor.

ENGLISH 17—Ira Dilworth, B.A., A.M., Associate Professor.

ENGLISH 19 (b)—E. J. Pratt, M.A., Ph.D., Professor of English, Victoria College, University of Toronto.

FRENCH 1—D. O. Evans, M.A., D.Phil., D.Lett., Professor.

FRENCH 2—Miss Janet Greig, B.A., M.A., Officier d'Academie (France), Assistant Professor.

FRENCH 3 (c)—Miss Dorothy Dallas, M.A., Docteur de l'Universite de Paris, Instructor.

GEOGRAPHY 1—Thomas B. Williams, M.Sc. (Queen's), Ph.D. (Wisconsin).

GERMAN, BEGINNERS'—Miss Joyce Hallamore, M.A., Ph.D., Instructor.

GERMAN 2—Miss Isabel MacInnes, B.A., Ph.D., Associate Professor.

HISTORY 1—F. Lee Benns, A.M. (Syracuse), Ph.D. (Clark), F.R.Hist.S., Professor of History, Indiana University.

HISTORY 4—W. N. Sage, B.A., M.A., Ph.D., F.R.Hist.S., Professor.

HISTORY 18—R. G. Trotter, B.A. (Yale), M.A., Ph.D. (Harvard). James Douglas Professor of Canadian History, Queen's.

LATIN 1 (a)—O. J. Todd, Ph.D., Professor.

LATIN 2 (a)—Lemuel Robertson, M.A., Professor.

LATIN 4—Lemuel Robertson, M.A., Professor; O. J. Todd, Ph.D., Professor.

MATHEMATICS 1—Walter H. Gage, M.A., Assistant Professor.

MATHEMATICS 10—F. S. Nowlan, B.A., A.M., Ph.D., Professor.

PHILOSOPHY 1 (a)—Joseph E. Morsh, B.A., Ph.D., Lecturer.

PHILOSOPHY 1 (b)—James Henderson, M.A., Professor.

PHILOSOPHY 7—E. T. Mitchell, M.A. (Alta.), Ph.D. (Chicago), Professor of Philosophy, University of Texas.

PHYSICS 1, 2—A. E. Hennings, M.A., Professor.

Admission, Registration and Attendance

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

Fees

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

Fees are payable on or before July 10th, otherwise an additional fee of $2.00 will be exacted.

Fee for "Late Registration" $2.00.

Registration and Library Fee (Payable before registration)	$ 5.00
Minimum Class Fee	25.00
Per "Unit"	10.00
Summer Session Association	2.00

FOR GRADUATES

Registration and Library Fee (Payable before registration)	5.00

CLASS FEES

First Registration	75.00
Each subsequent Session Registration	5.00

SPECIAL FEES

Supplemental Examination, per paper	5.00
Graduation	15.00

Applications for supplemental examinations, accompanied by the necessary fees, must be in the hands of the Registrar at least two weeks before the date set for the examinations, and graduation fees two weeks before Congregation.

Courses of Study

NOTE 1.—The courses listed below are divided into "half-courses" or otherwise only as stated. Divisions of other three-unit courses, however, may be made for candidates who already have a "half-course" to their credit in any particular subject.

NOTE 2.—By a ruling of the Board of Governors, a class may not be offered for fewer than eight students.

Biology

1. (a) *Introductory Biology.*—The course is introductory to more advanced work in Botany or Zoology; also to courses closely related to Biological Science, such as Agriculture, Forestry, Medicine.

The fundamental principles of Biology; the interrelationship of plants and animals; life processes; the cell and division of labour; life-histories; relation to environment.

The course is prerequisite to all courses in Botany and Zoology.

A list of Reference Books is supplied.

Six lectures and eight hours laboratory a week. 3 units.

Chemistry

1. *General Chemistry.*—The course comprises a general survey of the whole field of Chemistry and is designed on the one hand to provide a thorough groundwork for further study in the sciences and on the other to give an insight into the methods of chemical investigation, the fundamental theories and some important applications such as are suitable to the needs of a cultural education. Students must reach the required standard in both lecture and laboratory work.

Texts: *Smith's College Chemistry,* revised by Kendall, 1935 Edition, The Century Co. For the laboratory: Harris and Ure, *Experimental Chemistry for Colleges,* McGraw-Hill.

Ten lectures a week, and laboratory to be arranged. 3 units.

2. *Qualitative and Quantitative Analysis.*

(*a*) *Qualitative Analysis.*—A study of the chemical reactions of the common metallic and acid radicals, together with the theoretical considerations involved in these reactions.

Text: A. A. Noyes, *Qualitative Analysis,* Macmillan.

Reference: Miller, *The Elementary Theory of Qualitative Analysis,* The Century Co.

(*b*) *Quantitative Analysis.*—This course embraces the more important methods of gravimetric and volumetric analysis.

Text-book: Willard and Furman, *Quantitative Analysis,* Van Nostrand.

Prerequisite: Chemistry 1.

Four lectures a week, and laboratory to be arranged. 3 units.

Course (*b*) must be preceded by Course (*a*).

Latin

1. (*a*) Cicero, *De Senectute* (Chap. I-XI), Shuckburgh-Egbert, Macmillan; Pilsbury, *Latin Prose Composition* (Chap. I-XII), Clarendon Press; Robertson and Robertson, *The Story of Greece and Rome* (Chap. I-XVI).

Five hours a week. 1½ units.

2. (*a*) Horace, *Odes III,* Page, Macmillan; Robertson and Robertson, *The Story of Greece and Rome* (Chap. XVII-XXXII).

Five hours a week. 1½ units.

4. Horace, *Epistles I,* Wilkins, Macmillan; Terence, *Phormio,* Bond and Walpole, Macmillan.

Ten hours a week. 3 units.

Economics

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

Slichter, *Modern Economic Society,* Holt; Cole, *Intelligent Man's Guide Through World Chaos,* Ryerson; *The Canada Year Book, 1934.*

Additional readings will be assigned for students offering this course for credit in the Third or Fourth Year.

Economics 1 is the prerequisite for all other courses in this department, but may be taken concurrently with Economics 2, with Sociology 1, or with Government 1.

Ten hours a week. 3 units.

6. *International Trade and Tariff Policy.*—A survey of the theory of international trade and the foreign exchanges; the balance

of trade, foreign investments and other fundamental factors; the problem of Reparations and of War Debts; the protective tariff and commercial imperialism; the commercial policy of the leading countries, with considerable attention to Canada.

Taussig, *International Trade,* Macmillan; Griffin, *Principles of Foreign Trade,* Macmillan; Taussig, *Selected Readings in International Trade and Tariff Problems,* Ginn; and assigned readings.

Ten hours a week. 3 units.

Education

1. *Introduction to the Study of Education.*—This course is intended to serve as a broad survey of current educational theory and practice. The following topics will be studied: The needs of society and of the individual; general and specific objectives of education; educative agencies; the school system; school law; school finance; the pupil; the teacher; the curriculum; the educative process; current tendencies in education; the development of the science of education.

Text-book: Burton, *Introduction to the Study of Education,* Appleton-Century Co.

Ten hours a week. 3 units.

A second course in education intended for senior and graduate students will be arranged.

Ten hours a week. 3 units.

English

2. *Literature.*—Studies in the history of English Literature.

Lectures and texts illustrative of the chief authors and movements from Tottel's Miscellany to Shelley. Reynolds, *English Literature in Fact and Story,* The Century Co.

Ten hours a week. 3 units.

5. *Poetics and Literary Criticism.*—The psychological basis of poetry, the imagination and the poetic process, the emotional element in poetry, poetic content and the nature of poetic truth, poetic form and its varieties, diction, imagery, metrics, and contemporary experiments in form. Critical aims, values, methods, and principles, with special reference to modern and contemporary literature.

Texts: Dudley, *The Study of Literature,* Houghton, Mifflin; Stewart, *The Technique of English Verse,* Holt.

Ten hours a week. 3 units.

17. *Victorian Poetry.*—This course is concerned chiefly with the work of Tennyson, Browning and Matthew Arnold. However,

considerable time at the close of the course will be given to a survey of the development of later poetry, with special attention to the Rosettis, Swinburne, George Meredith, Hardy, Robert Bridges and A. E. Housman.

Texts: Browning, *Complete Poetical Works*, Cambridge Edition; Arnold, *Poems*, Oxford Edition; Tennyson, *Poems*, Cambridge or Globe Edition; Pierce, *Century Readings in 19th Century Poets*, The Century Co.

For reference: Elton, *A Survey of English Literature, 1830-1880.*

Ten hours a week. 3 units.

19(*b*). This course will deal particularly with English drama of the last generation: Shaw, Galsworthy, Synge, O'Neill, and others; and it will develop the relations between drama and other contemporary literature, especially poetry.

Texts: Individual Plays of the Authors named, and a book of contemporary poetry to be announced.

Ten hours a week. 3 units.

Geography

1. *Principles of Geography.*—This introductory course aims to develop in the student the point of view of modern geography and to furnish a foundation or background that will be useful not alone to those who may intend to continue a study of geography or to teach it in the schools, but also to those who intend to study history, economics and other subjects, or to enter business or professional careers, into which geographical considerations enter.

Since geography is a study of the surface of the earth and its relation to life, particularly to human life, physical geography (fairly well covered by the prescribed text-book) must be mastered. The second fundamental is a study of man, to which the lectures are to a large extent devoted. The characteristics of man and the influence of geographical environment are most easily discerned in primitive societies; consequently these are examined in some detail. From these as a starting point, the relationships between man and his environment in complex western civilization is investigated.

A knowledge of the main facts in the geography of Canada is assumed so that if the student is not already familiar with them he must become so by private study, for he is expected to be able to give the principles brought out in class work Canadian applications and to be able to furnish Canadian illustrations.

Text-book: Peattie, *New College Geography*, Ginn & Co.

An Atlas—failing a large, comprehensive atlas, one of the following cheap ones will serve: *Philip's Senior School Atlas*, Geo. Philip

& Son; *Canadian School Atlas*, J. M. Dent; *Goode's School Atlas*, Rand McNally Co.

Ten hours a week. 3 units.

History

1. *Main Currents in Twentieth-Century History.*—This course completes the study of World history in the High Schools and offers a background for contemporary World problems. The following topics are discussed: The Great Powers at the Opening of the Century, Alliance and Entente, The Coming of the World War, The World War, The Peace Treaties, The New Map of Europe, Reparations and War Debts, Security and Disarmament, The League of Nations, The Russian Revolution and the U.S.S.R., Italy and Fascism, Germany from Empire to Third Reich, Post-War Britain and Democratic Europe, The New Balkans, The Little Entente and Poland, Nationalism and Imperialism in the Far East, The United States and World Peace.

Text-books: Benns, *Europe Since 1914;* Langsam, *The World Since 1914;* Cole, *The Intelligent Man's Review of Europe Today;* Schmitt, *The Triple Alliance and Triple Entente;* J. F. Horrabin, *Atlas of Current Events.*

Essays will be assigned throughout the Session.

Ten hours a week. 3 units.

4. *Medieval History.*—A sketch of Medieval History from the Council of Nicæa to the Fall of Constantinople. The following subjects will be discussed: The triumph of Christianity; the breakdown of the Western Roman Empire, the Barbarian Invasions; the earlier monastic movements; Mohammed and Islam; the rise of the Papacy; the Franks and Charlemagne; the struggle between Empire and Papacy; the Normans in Europe; the Crusades; the Medieval Towns; the later monastic movements; the rise of the Universities; Frederick II; the later Medieval Empire; the national kingdoms in France, Spain and England; the Turks and the Byzantine Empire.

Text-books: Thompson, *History of the Middle Ages;* Munro and Sontag, *The Middle Ages;* Scott, Hyma and Noyes, *Readings in Medieval History.*

This course is intended primarily for Second Year students who hope to specialize in history.

Essays will be assigned throughout the Session.

Ten hours a week. 3 units.

18. *British History 1485-1760.*—This course deals with the constitutional, political, religious, economic and social development of

the British Isles during the period prescribed. Attention will be paid to the following subjects: The Tudor Monarchy; the National Church; agrarian and commercial development; struggle between King and Parliament; the Puritan Rebellion and the Commonwealth; the Revolution Settlement; Britain under the early Hanoverians.

Text-books: Trevelyan, *A History of England;* Trevelyan, *England Under the Stuarts;* Williamson, *The Evolution of England.*

Ten hours a week. 3 units.

Mathematics

1. (*a*) *Algebra.*—An elementary course, including ratio, proportion, variation, interest and annuities, theory of quadratic equations, simple series, permutations, combinations, the binomial theorem, logarithms.

Wilson and Warren, *Intermediate Algebra,* Chapters I to XV, Oxford.

(*b*) *Analytical Geometry.* — Fundamental concepts, loci, the straight line and circle.

Nowlan, *Analytical Geometry,* McGraw-Hill.

(*c*) *Trigonometry.*—An elementary course involving the use of logarithms.

Playne and Fawdry, *Practical Trigonometry,* Copp Clark.

Wentworth and Hill, *Tables,* Ginn.

Ten hours a week. 3 units.

10. *Calculus.*—The elementary theory and applications of the subject.

Granville, *Differential and Integral Calculus,* Ginn.

Ten hours a week. 3 units.

French

1. Molière, *Le Bourgeois Gentilhomme,* Didier; Maupassant, *Contes* (Nelson); Mills, *Free Composition in French* (Nelson), Part I; Ashton, *A Preface to Molière,* Longmans, Toronto (Chaps. I to VII, and XI); Weekley, *Tutorial French Grammar,* Clive.

Ten hours a week. 3 units.

Prerequisite: Junior matriculation French or its equivalent.

2. La Fontaine, *Fables* (Dent); Balzac, *Gobseck* (Oxford University Press); Gautier, *Le Capitaine Fracasse* (Dent). Independent reading will be required.

Conversation in French on the above. Written résumés.

Ten hours a week. 3 units.

Prerequisite: French 1 or its equivalent.

3. (*c*) *French Composition.* Phonetics, 1 hour a week. Composition and oral practice, 2 hours. No tests are specified.

Ten hours a week. 3 units.

Prerequisite: French 3 (*a*).

German

Beginners' Course.—Evans and Röseler, *College German,* Crofts; Koischwitz, *Bilderlesebuch,* Crofts.

Ten hours a week. 3 units.

2. Whitney and Stroebe, *Easy German Composition,* Holt. Composition and conversation based on texts read.

Diamond and Schomaker, *Lust und Leid,* Holt; Keller, *Romeo und Julia auf dem Dorfe,* Holt; Bruns, *Book of German Lyrics.*

Ten hours a week. 3 units.

German 1, or its equivalent, is prerequisite for German 2.

Philosophy

1. (*a*) *Elementary Psychology.*

Text-book: Warren, *Elements of Human Psychology* (Revised Edition), Houghton Mifflin.

Ten hours a week. 3 units.

1. (*b*) *Introduction to Philosophy.*—This course is intended for two classes of students: First, those who contemplate specializing in Philosophy either as Honour or Pass students in their Third and Fourth Years; and second, those who wish a single course whch will give in an untechnical way a statement and discussion of fundamental philosophical problems and thus assist them in their special studies in other departments.

Text: Patrick, *Introduction to Philosophy,* Houghton Mifflin.

References: Brightman, *An Introduction to Philosophy;* Cunningham, *Problems of Philosophy;* Drake, *An Invitation to Philosophy;* Alexander, *A Short History of Philosophy;* Perry, *The Approach to Philosophy.*

Ten hours a week. 3 units.

7. *Philosophy of Education.* — A course of lectures and discussions dealing with educational movements since the beginning of

the 19th century, and with the theories of life and of mind which are implicit in these movements.

Texts: Spencer, *Education,* Everyman Edition; Dewey, *Democracy and Education,* Macmillan.

References: Butler, *The Meaning of Education;* Rousseau, *Emile;* Locke, *The Conduct of the Understanding;* Froebel, *The Education of Man;* Dewey, *The School and Society;* Articles in the *Cyclopedia of Education,* Macmillan.

Philosophy 1 (*a*) or Philosophy 1 (*b*) is recommended as preparatory to this course.

Ten hours a week. 3 units.

Physics

1, 2. The same lectures, ten per week, dealing with the fundamental principles of Physics, will be given to those who have had, and to those who have not had, previous work in Physics. Each student will perform 24 experiments, for which four two-hour laboratory periods per week are required. An important feature of the course is the assignment of numerous problems for solution.

Ten hours a week, and laboratory to be arranged. 3 units.

This book is for use in Library Building ONLY and as a "Reserved" Loan.