

CALENDAR  
(ABRIDGED)  
OF THE  
UNIVERSITY  
OF  
KING'S COLLEGE,  
(Founded A. D. 1789.)  
(in association with Dalhousie University.)  
HALIFAX, NOVA SCOTIA.

1924-1925.

136TH SESSION

---

PUBLISHED UNDER THE DIRECTION OF THE  
BOARD OF GOVERNORS.

---

HALIFAX, N. S.,  
Monotyped by Wm. Macnab & Son,  
1924.

TIME TABLE—ARTS AND SCIENCE, 1924-25.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9	Greek 2..... French 2..... History 1..... Phil 9..... Corp. Fin..... Physics 20..... Chem. 1 1A..... Mech. 2†, 3*	Greek 1..... French 1, 2..... Elem. German Phil 6..... Physics 3..... Chem. 6..... Marketing.....	Greek 2..... French 2..... History 1..... Phil 9..... Corp. Fin..... Physics 20..... Chem. 1, 1A 7..... Mech. 2†, 3*..... Biol. 4.....	Greek 1..... French 1, 2..... Elem. German Phil 6..... Physics 3..... Chem. 6..... Marketing.....	Greek 1..... French 2..... History 1..... Elem. German Phil 6..... Corp. Fin..... Chem. 1, 1A..... Mech. 2†, 3*..... Biol. 4.....	Greek 1..... French 1, 2..... Elem. German Chem. 2..... Chem. 6 Lab. Draw. 2.....	Greek 1..... French 1, 2..... Elem. German Chem. 2..... Chem. 6 Lab. Draw. 2.....
10	Latin 2..... Elem. Greek..... History 1, 3..... Phil. 8..... Math. 1, 1C..... Physics 1..... Chem 4..... Geol. 1..... Surveying.....	Latin 1..... French 1, 2..... German 1..... History 9..... Economics 4..... Phil. 5..... Math. 4..... Geol. 2.....	Latin 2..... Surveying..... History 1, 3..... Phil. 8..... Math. 1, 1C..... Physics 1..... Chem. 4..... Geol. 1..... Biol. 4 Lab.....	Latin 1..... French 1, 2..... German 1..... History 9..... Economics 4..... Phil. 5..... Math. 4..... Geol. 2..... Biol. 4 Lab.....	Latin 2..... Elem. Greek..... History 1, 3..... Phil. 8..... Economics 4..... Math. 1, 1C..... Physics 1..... Math. 4..... Geol. 1..... Biol. 4 Lab.....	Latin 1..... French 1, 2..... German 1..... Chem 4 Lab..... Draw. 2..... Math. 1..... Math. 1, 1C..... Physics 1..... Geol. 1..... Biol. 4 Lab.....	Latin 1..... French 1, 2..... German 1..... Chem 4 Lab..... Draw. 2..... Math. 1..... Math. 1, 1C..... Physics 1..... Geol. 1..... Biol. 4 Lab.....
11	Latin 2..... English 1..... Economics 1..... Math. 3..... Acct'y. 2.....	Elem. Latin..... Latin 3..... Spanish 2..... History 4..... Math. 1, 2..... Geol. 10..... Mech. 4.....	Latin 2..... English 1..... Economics 1..... Math. 3..... Biol. 4 Lab..... Acct'y. 2.....	Latin 3..... English 1..... Economics 1..... Math. 3..... Biol. 4 Lab..... Acct'y. 2.....	Elem. Latin..... Latin 3..... Spanish 2..... History 4..... Math. 1, 2..... Geol. 10..... Mech. 5.....	Latin 2..... English 1..... Economics 1..... Math. 3..... Biol. 4 Lab..... Acct'y. 2.....	Elem. Latin..... Chem. 4 Lab..... Spanish 2..... Draw. 2..... Math. 1..... Math. 1, 1C..... Physics 1..... Geol. 10.....
12	Latin 1..... Greek 3..... Elem. French..... English 2..... Economics 1..... Physics 2..... Mech. 4..... Elem. Chem.....	.....	Latin 1..... Greek 3..... Elem. French..... English 2..... Economics 1..... Physics 2..... Mech. 4..... Elem. Chem.....	.....	Latin 1..... Elem. French..... English 2..... Economics 1..... Physics 2..... Mech. 4..... Biol. 4 Lab.....	Latin 1..... Elem. French..... English 2..... Economics 1..... Physics 2..... Mech. 4..... Biol. 4 Lab.....	Chem. 4 Lab..... Draw. 2.....
2.30	German 2..... History 7..... Gov't. 5..... Philos. 1..... Physics 3 Lab..... Chem. 1, Lab..... Biol. 5..... Draw. 1, 1B..... Acct'y. 1..... English 1A.....	Elem. Greek..... Spanish 10..... English 9..... Gov't. 6..... Chem. 2, Lab..... Biol. 1..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	German 2..... History 7..... Gov't. 5..... Philos. 1..... Physics 2, Lab..... Biol. 5..... Mech. 3..... Acct'y. 1..... English 1A.....	Elem. Greek..... Spanish 10..... English 9..... Gov't. 6..... Chem. 2, Lab..... Biol. 1..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	Geol. 1, Lab..... Physics 1 Lab..... Gov't. 5..... Philos. 1..... Draw. 1, 3..... Chem. 2, Lab..... Biol. 1..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	.....	.....
3.30	Archaeology..... Spanish 1..... Economics 3..... Gov't. 1..... Phil. 4..... Physics 3, Lab..... Chem. 1, Lab..... Biol. 5, Lab..... Draw. 1, 1B..... History 1A.....	French 3..... Spanish 1..... English 3, 8..... Economics 2..... Gov't. 4..... Chem. 2, Lab..... Biol. 1, Lab..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	Archaeology..... Spanish 1..... Economics 3..... Gov't. 1..... Phil. 4..... Physics 2, Lab..... Biol. 5, Lab..... Mech. 3..... History 1A.....	French 3..... Spanish 1..... English 3, 8..... Economics 2..... Gov't. 4..... Chem. 2, Lab..... Biol. 1, Lab..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	Physics 1, Lab..... Spanish 1..... Geol. 1, Lab..... Gov't. 1..... Draw. 1, 3..... Chem. 2, Lab..... Biol. 1, Lab..... Music 1, 2..... Surveying..... Chem. 1A, Lab.....	.....	.....
4.30	Phil. 12..... Physics 3, Lab..... Chem. 1, Lab..... Biol. 5, Lab..... Draw. 1, 1B..... ..... .....	Bib. Lit..... English 4..... Phil. 11..... Chem. 2, Lab..... Biol. 1, Lab..... Surveying..... Chem. 1A, Lab.....	Phil. 12..... Physics 2, Lab..... Phil. 11..... Biol. 5, Lab..... Mech. 3..... ..... .....	Bib. Lit..... English 4..... Phil. 11..... Chem. 2, Lab..... Biol. 1, Lab..... Surveying..... Chem. 1A, Lab.....	Physics 1, Lab..... Geol. 1, Lab..... Draw. 1, 3..... ..... ..... ..... .....	.....	.....

\*First Term.  
†Second Term.

CONTENTS.

	Page.
<b>The University—</b>	
Time Table.....	ii
Almanac.....	iv
Academic Staff.....	vi
<b>Introduction—</b>	
Historical Sketch.....	1
Equipment.....	5
<b>Admission—</b>	
Classification.....	7
Matriculation.....	8
Admission to Advanced Standing.....	11
<b>University Regulations—</b>	
Registration.....	13
Residence.....	13
Discipline.....	15
University Library.....	15
Caution Deposit.....	16
Laboratory Deposits.....	16
Fee for Support of Student Organizations.....	16
Conferring of Degrees.....	17
Prizes and Scholarships.....	17
Rhodes Scholarship.....	21
1851 Exhibition Scholarship.....	21
I. O. D. E. Scholarships.....	21
<b>Faculty of Arts and Science—</b>	
Academic Year.....	23
Degrees and Courses.....	23
Ordinary Course for B. A.....	24
Choice of Electives.....	25
Affiliated Courses.....	25
Order of Classes.....	26
Ordinary Course for B. Sc.....	26
Affiliated Courses.....	27
Order of Classes.....	27
Admission to Advanced Standing.....	28
Degree of Bachelor with Distinction.....	29
Degree of Bachelor with Honours.....	30
Honour Courses.....	31
Master of Arts or Master of Science.....	38
Course in Engineering.....	40
Degree of Bachelor of Commerce.....	41
Degree of B. Mus.....	41
Diploma of L. Mus.....	43
Regulations for Courses in Music.....	43
Degree of Pharm. B.....	44
<b>General Faculty Regulations</b>	
Admission to Classes.....	44
Attendance.....	44
Class Work.....	45
Examinations.....	46
Sessional and Class.....	46
Distinction.....	47
Supplementary and Special.....	47
Fees.....	48
Courses of Instruction.....	50

Oct. 9 Melifod Com<sup>2</sup>

University Almanac.

v

UNIVERSITY ALMANAC, 1924-1925.

1924.

Aug. 25	M.	—Last day for receiving applications* for Supplementary Examinations.
Sept. 20	S.	—Last day for receiving applications* for Matriculation (and Scholarship) Examinations
22	M.	—Registration (and Payment of Fees) begins in Arts and Science. Matriculation (and Scholarship) and Supplementary Arts and Science Examinations† begin.
23	Tu.	—9.30—12.30 a. m., Latin; German.** —2.30—5.30 p. m., English.
24	W.	—9.30—12.30 a. m., French; Greek.** —2.30—5.30 p. m., Physics.
25	Th.	—9.30—12.30 a. m., Geometry. —2.30—5.30 p. m., Chemistry.
26	F.	—9.30—12.30 a. m., Algebra. —2.30—5.30 p. m., Trigonometry, History.**
27	S.	9 to 12 a. m.—Last Regular Registration†† (and Payment of Fees) Day in Arts and Science. Results of Matriculation and Supplementary examinations declared.
29	M.	—9 a. m., Lectures begin in Arts and Science.
30	Tu.	11 a. m., Meeting of Faculty of Arts and Science.
Oct. 4	S.	—9—12 a. m., Last Registration Day in Arts and Science.
8	W.	—Intimation as to elective subjects to be made on or before this day in Arts and Science Faculty.
	M.	—Thanksgiving Day. No Lectures.
Dec. 11	M.	—Last day of lectures in classes wherein Christmas examinations are held.
17	W.	—Christmas Examinations† begin.
22	M.	—Last day of lectures.
23	Tu.	—9 a. m., Christmas vacation begins.

1925.

Jan. 5	M.	—9 a. m., Lectures resumed.
Mar. 1	S.	—Last day for receiving theses for Master's degree
28	S.	—Last day for receiving Applications* for Examinations for Master's degree.
Apr. 6	M.	—Last day for receiving Applications* for Spring Supplementary Examinations and for payment of Annual Examination Fees in Medicine and Dentistry.
10	F.	—Good Friday. No lectures.
20	M.	—Last day of Lectures.
22	W.	—Spring Examinations† begin.
May 7	Th.	—11 a. m., Meeting of Faculty of Arts and Science.
8	F.	—11 a. m., Meeting of Senate. —Results of Examinations declared.
12	Tu.	—3 p. m., Convocation. Session ends.

\*Fee must accompany application for examination.

\*\*In case of conflict of examinations arrangements will be made for changes suitable to all candidates.

\*For time table see Notice Board.

††Extra fee for late Registration \$2.00 per day.

## ACADEMIC STAFF.

## FACULTY OF ARTS AND SCIENCE, 1924-25.

\*Denotes members of Faculty on King's Foundation.

- Arthur Stanley Mackenzie, B. A. (Dal.), Ph. D. (J. H. U.), D. C. L. (Vind.), LL. D. (Queen's, McGill and Mt. A.), F. R. S. C., President of the University, 14 Hollis Street.
- James Liechti, M. A. (Vind.), L. H. D. (Muhl.), Professor Emeritus.
- Archibald MacMechan, B. A. (Tor.), Ph. D. (J. H. U.), LL. D. (Tor.), F. R. S. C., George Munro Professor of English Language and Literature, 72 Victoria Road.
- Howard Murray, B. A. (Lond.), LL. D. (Tor.), McLeod Professor of Classics, 15 Spring Garden Road.
- Murray Macneill, B. A. (Dal.), M. A. (Harv.), Church of Scotland Professor of Mathematics, 83 Inglis Street.
- Howard Logan Bronson, B. A., Ph. D., (Yale), F. R. S. C., George Munro Professor of Physics and Head of Department, 366 Morris Street.
- David Fraser Harris, M. B., C. M., M. D. (Glas.), B. Sc. (Lond.), D. Sc. (Birm.), F. R. SS. E. & C., Professor of Physiology.
- Herbert Leslie Stewart, M. A. (R. U. I. et Oxon.), Ph. D. (R. U. I.), F. R. S. C., George Munro Professor of Philosophy, 75 Larch Street.
- Walter Percy Copp, B. A. (Acad.), B. Sc. (McGill), A. M. F. I. C., Professor of Civil Engineering, 394 South Street.
- Bishop Carleton Hunt, B. B. A. (B. U.), Wm. A. Black Professor of Commerce, 93 Coburg Road.
- Henry Fraser Munro, B. A. (Dal.), M. A. (Harv.), Eric Dennis Memorial Professor of Government and Political Science, 246 Jubilee Road.
- John Hamilton Lane Johnstone, M. Sc. (Dal.), Ph. D. (Yale), Professor of Physics, 285 South Street.
- Douglas McIntosh, B. A., B. Sc. (Dal.), A. M. (Cornell), D. Sc. (McGill), F. R. S. C., Research Professor of Chemistry, and Head of Department, Bloomingdale Terrace.
- Carleton Bell Nickerson, M. A. (Clark), Professor of Chemistry, Armdale.
- \*Walter Douglas MacFarlane, M. A. (King's), Ph. D. (Gött.), Professor of English Language and Literature (King's), 314 South Street.
- \*A. Stanley Walker, M. A. (Leeds & Birm.), Professor of History (King's), 245 Oxford Street.
- \*George H. Henderson, M. A. (Dal.) B. Sc. (Dal.) Ph. D. (Cantab.), Professor of Mathematical Physics.
- George Earle Wilson, M. A. (Queen's), Associate Professor of History, 93 Coburg Road.
- Edward Wilber Nichols, M. A. (Dal.), Ph. D. (Yale), Associate Professor of Classics, 86 South Park Street.
- Hugh Philip Bell, M. Sc. (Dal.), Ph. D. (Tor.), Associate Professor of Biology, 242 Tower Road.
- Charles Henry Mercer, M. A., B. Comm. (Manch.), Associate Professor of Modern Languages, 3 Chestnut Street.
- James Nelson Gowanloch, B. A., B. Sc. (Man.), Associate Professor of Biology, 45 LeMarchant Street.

- \*Arthur Kent Griffin, M. A. (Tor. et Oxon.), Associate Professor of Classics (King's), 41 Bland Street.
- \*Ralph Walker Scott, A. M. (Princeton), Associate Professor of Modern Languages (King's), 381 Quinpool Road.
- \*Norman Jelinger Symons, M. A. (Oxon.), Associate Professor of Psychology (King's), 243 Oxford Street.
- Raymond Jackson Bean, M. S. (N. H.), Associate Professor of Histology and Embryology, Almeda Apartments.
- Donald Sutherland McIntosh, B. A. (Dal.), (M. Sc. (McGill), Assistant Professor of Geology, 135 Henry Street.
- Harold Skinner King, A. B. (Harv.), Assistant Professor of Chemistry, Armdale.
- \*Charles Lindsay Bennet, B. A. (Cantab.), Assistant Professor of English (King's), King's College Residence.
- \*Forrest Hamilton Murray, A. B. (Ill.), A. M., Ph. D. (Harv.), Assistant Professor of Mathematics. (King's), King's College.
- Harold Raymond Theakston, B. Sc. (Mining) (N. S. F. C.), Jr. E. I. C., Assistant in Engineering and Engineer in Charge of Buildings and Grounds, Commodore Apartments.
- \*William Russell Maxwell, B. A. (Dal.), M. A. (Harv.), Lecturer in Economics (King's), 93 Coburg Road.
- Merle Perry Colpitt, M. A. (Dal.), Instructor in Physics, 34 Coburg Road.
- Ebenezer Walter Todd, B. A. (Dal.), Instructor in Chemistry, 6½ Walnut Street.
- Carl Kenty, B. Sc. (Dal.), James Gordon MacGregor Memorial Fellow in Physics.
- Mona Dorothea Macdonald, M. Sc. (Dal.), Demonstrator of Biology and Histology, Atlantic Street.
- Jotham Wilbur Logan, M. A. (Dal.), Lecturer in Classics, 279 Barrington Street.
- James William Falconer, M. A. (Edin.) D. D. (Knox), Lecturer in Archaeology, Francklyn Street.
- Harry Arnold Kent, M. A. (Dal.), D. D. (Mont.), Lecturer in Biblical Literature, Francklyn Street.
- W. B. Wallace, LL. B. (Dal.), Judge of the County Court, Lecturer in Commercial Law, 99 Oxford Street.
- Emily Margaret Lowe, B. A. (Tor.), Lecturer in French, Shirreff Hall.
- \*Edith Mabel Mason, B. A. (King's), Interim Lecturer in French, King's College Residence.
- Margaret Frances McCurdy, B. Sc. (Dal.), Student Assistant in Chemistry.
- Harry Dean, Examiner in Theory of Music.
- W. E. Stirling, Physical Instructor.

## FACULTY OF DIVINITY.

*Fellow and Senior Professor of Divinity (Dogmatics, Liturgics, Eccl. Polity and Church History).*—Ven. F. W. Vroom, M. A., D. D., (Kgs.), D. C. L., (Lennoxville).  
*Alexandra Professor of Divinity (Hebrew, Greek Testament, Patristics).*—Rev. T. H. Hunt, M. A., D. D., (Kgs.).  
*Lecturer in Dogmatics and Apologetics.*—Rev. T. H. Perry, M. A., (Toronto).  
*Lecturer in Pastoral Theology and Homiletics.*—Ven. W. J. Armistage, M. A., (Tor.), Ph. D., (U. N. B.), D. D., (Wycliffe).  
*Lecturer in Church History.*—Rev. A. Stanley Walker, M. A.  
*Lecturer in Religious Education.*—Rev. R. A. Hiltz, M. A., D. C. L. (Kgs.).

## OFFICERS OF ADMINISTRATION.

## DALHOUSIE UNIVERSITY.

A. Stanley Mackenzie, *President of the University.*  
 Howard Murray, *Dean of the University.*  
 Murray Macneill, *Registrar of the University.*  
 A. MacMechan, *Librarian of the University Library.*  
 M. Josephine Shannon } *Assistant University Librarians.*  
 Zaidee A. Harris }

## UNIVERSITY OF KING'S COLLEGE.

*The President*—  
*Registrar*—Rev. Professor Hunt, D. D.  
*Bursar and Dean of Residence*—R. L. Nixon, M. Sc., (Kgs.).  
*Dean of Women*—Miss E. M. Mason, B. A., (Kgs.).  
*President of Board of Governors*—Most Rev. C. L. Worrell, D. D.,  
 Archbishop of Nova Scotia.  
*Secretary of Board*—Rev. Canon V. E. Harris, D. C. L., Church  
 of England Institute.  
*Treasurer (Acting)*—F. A. Bowman, Esq., M. A.

## University of King's College.

(in Association with Dalhousie University).

## INTRODUCTION.

## Historical Sketch.

*First Period.*—(1789-1854).

The University of King's College, founded by United Empire Loyalists, was established by an Act of the Legislature of Nova Scotia in 1788, and opened at Windsor, N. S. in 1790. It was therefore the first University established in what is now Canada, and is the oldest University in the British Overseas Empire.

In 1802 a Royal Charter was granted by George III in which the College is referred to as "the Mother of an University for the education and instruction of youth and students in Arts and Faculties to continue forever and to be called King's College."

From its establishment until 1854, it was under the control of the Provincial government, administered by a Board of Governors consisting of the Governor, Bishop, Chief Justice, Provincial Secretary, Speaker, Attorney-General and Solicitor General, and supported by government grants and assistance from the English societies, the Society for the Promotion of Christian Knowledge and the Society for the Propagation of the Gospel.

During this early period, namely in 1822-4 and in 1829-36 unsuccessful efforts were made by the British Government and the Board of Governors of the College to effect a union with Dalhousie University founded in 1818.

The valuable library of the College was begun very early in this period, and contains many rare works and records, including gifts from the University of Oxford, Cambridge, and Columbia the British Museum and the British Records Commission.

During this period of its history, (1788 to 1854) its alumni included many men distinguished in the history of the Province and in Church and State; notably, Hon. James Stuart, Attorney-General of Lower Canada; Ven. G. Okill Stuart, Archdeacon of Upper Canada; Sir James Cochran, Chief Justice of Gibraltar; Rev. B. G. Gray, of Trinity Church, St. John, N. B.; Major-General Sir John Inglis, K. C. B. a hero of the Indian Mutiny; General Wm. Cochran, C. B.; Hon. Henry H. Cogswell; Lieut-General James R. Arnold, R. E.; Chief Justice Parker of New Brunswick, Judge Neville Parker; Chief Justice Jarvis; Judge Hill; Hon. T. C. Haliburton (the author of "Sam Slick"); Major A. F. Welsford, 97th Regt. killed at Sebastopol; Col. Delancy Barclay, aide-de-camp to George III, and who rendered distin-

guished service at Waterloo; Hon. J. B. Uniacke, Attorney-General; Hon. W. J. Almon; Hon. P. C. Hill, Premier of the Province; Right Rev. T. G. S. Suther, Bishop of Aberdeen, Scotland; Rev. R. H. Bullock, Hon. Queen's Chaplain; Dr. Benj. Curren; Very Rev. Dean Gilpin; Rev. Dr. G. W. Hill of St. Paul's Halifax; Rt. Rev. John Inglis, 3rd Bishop of Nova Scotia; Judge Savary; Rev. Geo. McCawley, D. D., President of the College (1836-75); Rev. Dr. E. A. Crawley, the first President of Acadia University, Wolfville, Rev. Dr. Chas. Bowman, and many others.

*Second Period.* (1854-83).

In 1854 the affairs of the University were handed over to a Board of Governors representative of the Associated Alumni, organized in 1846. The first step was the raising of £10,000 to establish a Chair in Science, which was accomplished by the then Secretary of the Alumni, Rev. J. C. Cochran. The very best equipment possible for the time was secured, and a proficient mineralogist and chemist, Henry How of Glasgow, was appointed to the professorship, which he held until his death in 1880. King's was thus the leader in scientific work among the Colleges of the Maritime Provinces.

In 1858 the Alumni undertook the provision of residences for the professors. Convocation Hall owed its inception to Dr. Gray of St. John, N. B. who urged upon the Alumni the necessity for such a building. This building was begun in 1861, and the first Encaenia held in it in 1863.

The College Chapel, begun in 1876, as a memorial to Canon Hensley, was completed in 1877. It was built almost entirely through the liberality of Mr. Edward Binney, uncle of Bishop Binney, who also built the tower on the lower side of Convocation Hall.

During this second period (1854-83) the list of the Alumni of the University includes such names as Sir Charles Townshend, Chief Justice of Nova Scotia; Sir Frederick W. Borden; Hon. A. R. Dickey; Most Rev. F. H. Duvernet, Archbishop of British Columbia; Rev. G. W. Hodgson of Charlottetown P. E. I.; Hon. N. W. Hoyles; Ven. J. A. Kaulback; Rt. Rev. C. D. Schofield, Bishop of Columbia; Rev. Canon G. Osborne Troop; Hon. A. B. Warburton; Ven. Archdeacon F. W. Vroom, and many others.

*Third Period.* (1883-1923).

In 1883 the number of governors was increased by the addition of two elected by each of the Synods of Nova Scotia, and Fredericton together with the Bishop of Fredericton.

In 1884 the Synod of Fredericton passed a canon recognizing the Divinity College as the Theological College for the training of its clergy.

In 1892 a School of Law was established at St. John, N. B. which continued as the faculty of Law until 1923 when it was transferred to the University of New Brunswick.

In 1895 a further increase was made in the Board by the addition of governors elected by the various rural deaneries of the two dioceses making a board of thirty-seven members.

In 1910 the Extension Fund was inaugurated as virtually the first appeal to the Church of England people of the Maritime Provinces to increase the College endowments. This appeal resulted in an increase of \$30,500 to the invested funds, and the erection of a Science building at a cost of \$25,000.

In 1915 the Advance Fund was inaugurated resulting in the collection of about \$40,000. The endowments now amount to about \$200,000 exclusive of Scholarship and Prize funds, and real property.

During this third period of the College's history its list of Alumni includes such names as Rev. Dr. H. P. Almon Abbott, Rev. H. A. Cody, the distinguished writer; Professor A. B. DeMille; Rev. W. B. King ("Basil King"), Rev. Dr. R. W. Norwood, of Philadelphia; Rev. Dr. R. A. Hiltz, Gen. Secy. Gen. Board of Religious Educa.; Rev. Canon C. W. Vernon, Gen. Secy. Soc. Serv. Council; Rev. Canon Shatford of Montreal, Major-General R. G. E. Leckie, and others

*Fourth Period.* (1923- .)

The burning of the old College residence at Windsor Feb. 5th, 1920, raised anew the project of University Federation for the Maritime Provinces, which had long found favour among the patrons of higher education, and a generous offer from the Carnegie Corporation to provide a sufficient sum for the Arts Course if the College would move to Halifax and erect buildings there seemed to the Governors an opportunity which they ought not to let pass.

In 1923 the Board of Governors transferred the government of King's College School, Windsor, (which during a period of 135 years had been carried on most successfully under the same Board) to a new Governing Body together with the ownership of part, and the administration of the remainder, of the Windsor properties of the College. Legislation was also obtained reorganizing the Board of Governors of the College as outlined below.

In the same year an agreement was entered into with Dalhousie University whereby King's removed to Halifax and became associated with Dalhousie in the teaching of Arts and Science. The staffs of the two institutions are combined in a single faculty of Arts and Science; there is but one course of study, and all students in Arts receive the same instruction and pass the same examinations, whether enrolled in Dalhousie or King's (except that King's freshmen have classes by themselves in purely Arts subjects) King's retains its entire corporate organization, residential life and internal discipline. Dalhousie University grants all degrees in Arts to students enrolling in future, the name of King's College appearing on the diploma where the student has been enrolled in King's.

The beautiful property on the North West Arm, known as "Birchdale" was secured as a temporary residence for students. A commodious Chapel, where services are held every day, was fitted up in the basement underneath the large Dining Hall, and the internal life of the College has gone on, notwithstanding the removal from Windsor on exactly the same lines as in former years.

The Association with Dalhousie University has been found to work with complete harmony. Students of Dalhousie have the privilege of attending lectures in Arts by the King's Professors, and students at King's have the privilege of attending the lectures of the Professors of Dalhousie. This means that instead of a staff of ten there is a staff of forty or more to supply the requirements of students in Arts, and those students who enrol at King's enjoy the same facilities as those registered at Dalhousie; while they have at the same time the educative and humanizing influence of a residential College with the traditions of more than a century and a third behind it.

King's College, in its present situation, is within about 5 minutes walk of Dalhousie, but first year students receive all their lectures, that is, in Latin, Greek, French, German, Mathematics, English, and History, at King's. In the higher years classes are taken partly at King's and partly at Dalhousie.

#### ORGANIZATION OF THE UNIVERSITY.

The Board of Governors is the supreme governing body of the University. As defined by the Acts of 1923, it consists of the Bishops of the Dioceses of Nova Scotia and Fredericton and the President of the University *ex officio*, together with ten members elected by the Alumni Association and eight by each of the Synods of Nova Scotia and Fredericton. The Governors have the management of the funds and property of the College; the power of appointment of the President, professors and officials, determining their duties and salaries, and the general oversight of the work of the University. It appoints an executive committee.

**Convocation** consists of the Chancellor, and graduates of certain standing in the various faculties of the University and subject to the agreement with Dalhousie University, all degrees are conferred by it.

**The Faculties** of the University consist of the members of the teaching staff in the two domains of study, Arts and Science and Theology.

The School of Law at St. John, N. B. has been transferred to the University of New Brunswick.

Dalhousie University maintains Schools of Law, Medicine and Dentistry and provides partial instruction leading to degrees in Music, Pharmacy and Engineering.

For information respecting courses leading to degrees other than Arts and Theology, see Calendar of Dalhousie University.

For information respecting the Courses in Divinity see Calendar of the Divinity College.

**Privileges.**—The usual privileges of exemption from the Preliminary Examination granted to graduates of recognized universities by the learned professions in Canada and Great Britain are extended to this University.

The University of Oxford exempts from Responsions an undergraduate in Arts of Dalhousie University who has passed in the subjects (including Greek) of the second or a higher year. A Bachelor of Arts with Honours is further exempted from four terms of residence. The Trustees of the Rhodes Scholarships exempt from the qualifying examination candidates who are exempted from Responsions by the University of Oxford.

Of the seven courses required by the University of Edinburgh for the degree of B. Sc. in Pure Science, three may be taken in this University; and of the seven courses required for the B. Sc. in Engineering, two may be taken in this University, subject to certain conditions.

The University of London exempts Bachelors of Dalhousie University from the Preliminary Examination leading to the LL. B. degree of that University.

Graduates in law of Dalhousie University are admitted to the Bar of Nova Scotia without further examination.

The degree in Medicine from Dalhousie University is recognized as entitling to the privileges usually granted to graduates in Medicine of Canadian Universities. Graduates of Dalhousie University in Medicine and Surgery who hold the License of the Provincial Medical Board may, on application, be placed on the Colonial List of the British Medical Register.

#### EQUIPMENT.

##### Libraries.

Dalhousie University possesses a University Library, the Macdonald Memorial Library, open to all registered students, and the separate Law, of Medical and Dental Libraries for the students and instructors in those Faculties.

The University Library was instituted in 1867, as the result of an appeal made by the Rev. George M. Grant, at Convocation. It contain 32,000 volumes and 5,000 pamphlets, selected primarily to meet the needs of students in the faculty of Arts and Science.

When the Law Faculty was organized in 1883 it received a number of very generous contributions for a Library. Today the Law Library contains more than 9,500 volumes, including all the law reports which a student will find it necessary to consult.

The Medical Library, containing about 5,000 volumes, received its real start by the gift of some books and an endowment of

£1,000 from Dr. C. Cogswell. It is open on certain conditions to any practitioner in the Province as well as to medical students.

By the terms of Association with Dalhousie University, the greater portion of the library of King's University is housed in the Dalhousie University library.

Besides the libraries in the University, students may use, subject to certain conditions, the following libraries; The Science Library (61,000 volumes and pamphlets), the Legislative Library (24,000 volumes), the Citizens' Free Library (33,000 volumes), the Library of the Presbyterian Theological College (11,000 volumes), and the Nova Scotia Barristers' Society Library (18,000 volumes).

#### The Museum.

The Museum consists chiefly of the *Thomas McCulloch*, the *Patterson* and the *Honeyman Collections*.

**The Thomas McCulloch Collection**, presented by the late Rev. William McCulloch, D. D., of Truro, contains a large and valuable collection of birds, especially native species of the Maritime Provinces, besides many mineral, rock and fossil specimens, shells of recent mollusca, Indian implements, etc. The fossil specimens include a collection of European cretaceous fossils and of carboniferous fossils, chiefly Nova Scotian. The collection of birds is supplemented by the valuable collection made by Col. T. J. Egan, of Halifax, containing thirty cases of native birds.

**The Patterson Collection**, of Indian antiquities was made by the late Rev. George Patterson, D. D., LL. D., F. R. S. C., and presented by him to the University. It contains 280 specimens, catalogued and conveniently arranged for reference, including about 250 specimens relating to the aborigines of Nova Scotia.

**The Honeyman Collection** consists of the extensive geological collection made by the Rev. David Honeyman, D. C. L., F. S. A., for some years Professor of Geology in Dalhousie College, and was presented by Dr. Honeyman's relatives.

The collections of the Provincial Museum, illustrating the Geology, Mineralogy and Zoology of the Province, may be conveniently used by students.

#### Laboratories.

**The Science Building** is designed to be ultimately a chemical laboratory only, but for a number of years it will be divided between the departments of chemistry and physics. For a short time it will house also the departments of Geology and Engineering.

**The Forest Building** on Carleton St. contains the laboratories conducted by the departments of Biology, Histology, Anatomy, and Dentistry.

**The new Medical Science Building** on College St. contains the laboratories of the departments of Physiology, Bio-Chemistry, Pharmacology and Hygiene.

**The Out-patient and Public Health Clinic** building on Morris St. will be opened during the summer of 1924. It will mark the beginning of a new departure in the training of men for the practice of medicine. The Halifax Dispensary will move to this building and continue its activities from that centre.

## ADMISSION.

Women are admitted to classes on the same conditions as men.

No person under sixteen years of age is admitted to any class except by special action of the Senate.

Students are classified as Graduate Students, Undergraduates, Matriculants and Special Students.

**Graduate Students** are students who hold a Bachelor's degree in Arts or Science and are pursuing a course in Arts or Science for a Master's degree.

**Undergraduates** are students who have completed Matriculation and are candidates for a Bachelor's degree in Arts or Science or a degree in a professional course.

**Matriculants** are students looking forward to a degree who have not completed Matriculation, but have sufficient subjects of Matriculation to their credit to enable them to have the classes which they may attend and pass recognized as qualifying for that degree. In the faculty of Arts and Science a Matriculant is one who has passed in English and in at least four other Matriculation subjects.

**Special Students** are all not included in one of the preceding groups. The classes attended by a Special Student are not recognized as qualifying for a degree.

Persons of good moral character may be admitted to certain classes as Special students without formal examination, provided they are deemed qualified by the Committee on Admission to profit by the work of the class or classes selected. A person seeking admission as a Special student, if under nineteen years of age, must submit evidence, such as a certificate from the school last attended, that he has a satisfactory knowledge of English and that his other requirements and habits of study are such as should qualify him to profit by the work of the class or classes he wishes to enter.



**Matriculation.**

All candidates for a degree must satisfy the requirements for Matriculation, either by passing the Matriculation examinations of Dalhousie University or by presenting certificates acceptable as equivalents.

The Matriculation examinations will be held at the University, and at such other places as the Senate may appoint, on Sept. 23rd to 26th, 1924. For the timetable of the examinations see the University Almanac.

No fee is charged for a matriculation examination in September except to students who have entered on their second year of attendance.

Candidates for the Matriculation examinations must make application on a form to be obtained from Dalhousie University Office.

*The last day for receiving applications for the examinations held at the University for the session of 1924-1925 is Saturday, Sept. 20th, 1924. Applications for examination at an outside centre should be made one month earlier.*

The Matriculation examinations are held in the following subjects, one paper each;

English	Geometry	French
British History	Trigonometry	German.
Ancient History	Latin	Physics.
Algebra	Greek	Chemistry.

**Subjects Required for each degree.**

The subjects of matriculation common to all degrees are:

- (1) English.
- (2) History (For **Medicine** and **Dentistry** this must be British History).
- (3) Algebra.
- (4) Geometry.

The remaining subjects are:

**For the B. A., and LL. B. degrees.**

- (5) Physics or Chemistry (6) Latin or Greek  
(7) another foreign language, (8) an elective.

**For the B. Sc. and B. Mus. degrees,**

- (5) Physics or Chemistry, (6) French, (7) German, (8) an elective.

**For the B. Com. degree.**

- (5) Physics or Chemistry, (6) and (7) two foreign languages, (8) an elective.

**For the M. D., C. M. and Phm. B., degrees,**

- (5) Physics, (6) Chemistry, (7) Latin, (8) French or German or Greek.

**For the D. D. S. degree.**

- (5) Physics, (6) Chemistry, (7) Latin.

For the requirements for Matriculation Education consult Dalhousie Calendar p. 10-13.

**Certificates Exempting from Examination.**

Candidates who hold one or more of the following diplomas, licenses or certificates will be exempted from the above examination in such of the above subjects as were included in the examination by which such diploma, license or certificate was obtained, provided a sufficiently high standard was reached, and provided this standard was reached in four or more of the subjects required for Matriculation.

- (a) Certificates of Matriculation Examinations taken at recognized Universities;
- (b) High School Certificates of Grades XI or XII of Nova Scotia and, in the case of History and Science, of Grade X.
- (c) Honour Diplomas, or Certificates entitling to a First Class Licence, as issued by Prince of Wales College, or a First Class Licence issued by the Education Department of Prince Edward Island;

- (d) Grammar School, or Superior (except in Latin), or First Class Licenses of New Brunswick.
- (e) Equivalent Licenses or Certificates issued by Education Departments of other Provinces;
- (f) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (g) The Preliminary Examination Certificate of the Nova Scotia Barristers' Society; and similar Certificates of the Bar Societies of other Provinces and Colonies with equivalent standards;
- (h) Certificates similar to the above issued by University or other official examining bodies, when found adequate.

If a candidate gets credit for at least four of the eight subjects of Matriculation, either at the Matriculation examinations or on a single certificate, he may complete Matriculation either by examination, or by certificate, or by both.

**Candidates holding certificates which they wish to offer for exemption as above should forward them for appraisal as early as possible.**

#### Special Matriculation Regulations for each Faculty.

**Faculty of Arts and Science**—A certificate of grade XI standard (or of grade X for History and Science) issued by the Education Department of Nova Scotia is treated as follows: Marks obtained in other than Matriculation subjects are not considered. The mark in a Matriculation subject is not considered unless it is at least 50 per cent. Subject to these restrictions the certificate will be accepted for the Matriculation subjects it covers in which the average of the marks obtained is at least 60 per cent., provided this average is reached in at least four subjects.

A minimum mark of 40 per cent. in a subject made in an examination for a certificate of grade XII standard will exempt from Matriculation in that subject. When such subject is divided in this certificate examination into two or more parts the average mark for such parts is taken as the mark to be considered.

In order to be admitted to a course in the Faculty of Arts and Science, a candidate must have credit for

Matriculation in English and in at least four other subjects.

**Faculty of Law**—In order to be admitted to the course in Law, a candidate must have completed Arts Matriculation, and must also present a satisfactory certificate of having attended and passed, at some degree-granting College or University recognized by the Senate for the purpose, at least ten regular classes of the course for the degree of Bachelor of Arts, comprising two classes in English, one class in Latin, one class in French or some other foreign language, one class in Mathematics, one class in English Constitutional History and any four classes to be chosen from the following—Latin, French or some other foreign language, History, Logic and Psychology, Economics, Government, Accounting, Chemistry or Physics, Surveying.

Students eligible for admission to advanced standing in the Faculty of Arts may be exempted from any of the foregoing classes, not exceeding five in number, for which they have received credit upon such admission and the aforesaid number of ten classes may be reduced accordingly.

**Faculty of Medicine**.—In order to be admitted to the course in the Faculty of Medicine a candidate must have complete Matriculation in Arts, including Physics, Chemistry and British History, and must have attended and passed in English 1, History 1, Mathematics 1, Latin 1, and French 1 or German 1 or Greek 1, or must be exempted by certificate of Grade XII or its equivalent.

For further information respecting the Medical and Dentistry Courses consult Dalhousie Calendar p. 15.

#### Admission to Advanced Standing.

##### Admission of Non-Collegiate Students

Students who hold a High School certificate of Grade XII of the Province of Nova Scotia, or certain certificates of similar grade from other provinces, may obtain credit for certain classes of the first year, and so

shorten by a year the time required to complete a course for an Arts or Science degree. For the regulations concerning exemptions see under Faculty of Arts and Science.

Students of Prince of Wales College, Charlottetown, P. E. I., holding High Honour Diplomas are admitted to the third year of the B. A. Course; those holding Honour Diplomas to the second, and those holding certificates or First Class licenses to the First Year.

Students are admitted to advanced standing in any other Faculty only in accordance with the regulations for admission *ad eundem statum* below.

#### Admission as Eundem Statum.

Students from other Universities desiring to enter classes in this University may, on producing satisfactory certificates, be admitted *ad eundem statum* in this University, if they are found qualified to enter the classes proper to their years. But if their previous studies have not corresponded to those they would have taken in this University for the course on which they propose to enter, they may be required to take additional classes. In no case, however, shall a candidate admitted to advanced standing be admitted to a degree in course in this University unless he has attended and passed in at least one year's work, and that the last year of the course.

Persons seeking admission *ad eundem statum*, must, in making application, submit certificates of good character and standing, with duly certified statements of their Matriculation, and of the classes attended and passed, with the grades attained; also calendars of the institution from which they have come of such dates as to show the courses which they have followed.

For requirements for admission *ad eundem gradum* consult Dalhousie Calendar p. 16.

## UNIVERSITY REGULATIONS.

### Registration.

All students of the University are required to enter their names in the Register annually, agreeing to obey all the regulations of the University already made or to be made, and to pay the required fees and deposits before entering any class or taking any examination. After registration and payment of fees a student is given a certificate, on presentation of which to the professors and lecturers whose classes he is entitled to attend, his name is entered on the class register.

### Health.

All students entering the University for the first time are required to submit to medical examination by the Staff of the department of Medicine at the University Health Centre. Any student wishing to engage in competitive athletics must submit to such examination each session, which will determine the form of athletics in which he may engage. All students entering the University who cannot submit certificate of having been successfully vaccinated shall be required to submit to vaccination. They are required to attend a short course of lectures on personal hygiene. All students shall be given the privilege of receiving medical examination, advice and treatment at the Health Centre, during the college sessions, free of charge.

### COLLEGE RESIDENCE.

The residential system, which is an important feature of College life, is modelled on that of English Colleges, and brings together men of different temperament and training, broadening their ideas and smoothing down individual peculiarities as nothing else can do.

Students are required to reside in the College buildings, but in special circumstances permission may be granted to reside outside. All students are under the immediate charge of the Dean of Residence, but must report to the President at the beginning of each term.

For particulars of equipment, bedding, etc., required write Dean of Residence.

**Chapel.**—It is a condition of residence that students attend the services in the College Chapel, which are held morning and evening daily. Students belonging to other Communions are permitted to attend their own services on Sunday, but except in such cases all are expected to be at the Chapel service at the eleven o'clock service on Sunday, unless specially excused by the President.

**Doors.**—The doors are closed at 10.30 p. m. and all resident undergraduates are required to be in before that hour, but the President may, at his discretion, grant permission to students to be out till midnight. Permission to be out after midnight can only be granted by the College Board.

**Guests.**—No one who is not a resident student or a member of the staff may be in College after 11 p. m. except by permission of the President. Guests are expected to conform to the rules of the College and students will be held responsible for those whom they entertain.

**Gowns.**—Students are required to wear academical costume at meetings of Convocation, at all College lectures and examinations, in Chapel, at dinner, in the Commons Hall, and at other occasions when so ordered. The academical habits shall be such as have been customarily worn in King's College in times past.

**Behaviour.**—Students are expected to preserve a quiet and orderly behaviour at all times in the halls and corridors of the College, especially during the hours of Lectures.

**Expenses.**—The charge to resident students for board and room is from \$250 to \$300, payable in two instalments, one at the beginning of each term.

No student whose accounts are unpaid after 30 days shall be allowed to remain in College, unless he has the written permission of the President or the Board of Governors.

### Womens' Residence.

The residence for women students is conducted under practically the same regulations as the residence for men.

All residents are under the general superintendence of the Dean of Women Students.

Women students wishing to be out after evening chapel must notify the Dean and state where they are going. Permission must be obtained from the Dean to be out after 10 p. m. and a record will be kept of the hour of return of those who have received such permission.

Thursday evening from 8-10, and Sunday afternoon from 3.30 to 5.30 are the recognized times for receiving visitors.

### Discipline.

The Senate may use all means deemed necessary for maintaining discipline. It is the duty of the Dean of the University to see that order is maintained within the buildings and on the premises of the University. Every professor or officer of the University is required to report to the Dean cases of improper conduct that may come under his notice. Students conducting themselves in an unbecoming manner on or beyond the premises of the University during the session, may be fined, suspended, or expelled from the University.

Irregularity of attendance, except for approved reasons, or neglect of or unsatisfactory progress in studies shall be regarded as sufficient cause for dismissal from one or more classes, or, in extreme cases, from the University.

No return of fees will be made to any student dismissed from classes or from the University.

### University Library.

The Library is open during the session on every week-day, except Saturday, from 9 a. m. till 5 p. m., and on Saturday till 1 p. m.

*College  
Disc*

Books, other than those on the reserved lists, may be taken out by instructors or students and kept for two weeks. They must then be returned to the library.

Books on the reserved lists may be taken out immediately before the closing of the library on any day, and must be returned when it opens on the following day.

Not more than two books may be borrowed at one time by a student not in an Honour course, nor more than four by a student taking Honours.

Students are allowed the privilege of borrowing books from the library for the summer. Students using this privilege are required to make a deposit with the University office. This deposit is returned when the books are replaced in the library

#### Caution Deposit.

Each male student on registration is required to deposit two dollars as caution money to cover damage done to furniture, apparatus, etc. This amount, less deductions, if any, will be returned at the close of the session. There shall be no deduction from the Caution Fund for damages which have been charged to or assumed by individuals.

#### Laboratory Deposit.

A student taking a class involving laboratory work is required to make a deposit of two to five dollars, depending upon the class taken, on entering the class. This amount, or what remains of it after deducting any charges which may have been incurred for breakage or materials used, is returned to the student at the end of the session.

#### Fee for Support of Student Organization.

At the request of the student body, a fee not exceeding \$9.50 may be collected on registration from each student who takes more than one class. This fee entitles the student to the privileges of the various student organizations and clubs, and to a copy of the King's College Record.

#### Conferring of Degrees.

Successful candidates for degrees are required to appear at Convocation in the proper academic costume to have the degrees conferred upon them.

Graduates of the University shall be entitled to wear gowns and hoods of black stuff. The distinctive part of the costume is the lining of the hood, which for the various degrees is as follows:—

B. A.—White silk bordered with white fuf.  
M. A.—Crimson Silk.

*Crimson*

By special permission of the Senate degrees may be conferred in exceptional cases, *in absentia*. Written application giving reasons for the request must be made well in advance to the Secretary of Senate. For fee see Page 48.

#### SCHOLARSHIPS AND PRIZES.

(Matriculation).

##### School Scholarships.

1. A scholarship of Fifty Dollars to be given to one pupil each from the Collegiate School, Windsor, Rothesay Collegiate School, and the Kings County Academy, Kentville, on matriculation into and remaining in residence at King's College for one year—the amount in each case to be deducted from tuition fees.

##### Matriculation Scholarship.

2. A scholarship of \$50 has been offered by the Board of Governors of King's College to the highest matriculant from the Collegiate School, Windsor, Rothesay Collegiate School, St. Peter's College School, Charlottetown, and The Church School for Girls, entering King's College and remaining in the residence one year. This scholarship is to be competed for at the June matriculation and the amount will be deducted from the tuition fees of the winner.

##### The Daniel Hodgson Scholarship.

3. This scholarship, amounting to about \$75 per annum, is given alternately to the Universities of Laval and King's College, and is tenable for four years. Its object is to assist students in entering Holy Orders. Application shall be made and certificate of having passed matriculation shall be filed before July 15th.

Candidates for the scholarship must be under the age of 23 years. They must be natives of Prince Edward Island and residents therein for the space of one year at least before the time of their application for scholarship.

The holder of the scholarship at the end of each half year shall file certificates from the authorities of the College that he is taking a full Arts Course, that his moral conduct has been good and that his attention to his studies and his general conduct have been satisfactory. No portion of the scholarship will be paid without the presentation of said certificate.

(At End of First Year).

#### The Stevenson Scholarships.

Three, of \$80 each.

4. Founded by the **Rev. J. Stevenson, M. A.**, (sometimes Professor of Mathematics), tenable for two years, and open to matriculated students in their second year of residence.

The examination for these scholarships is held in September. Candidates must select from the first year course subjects, aggregating not less than 600 and not more than 700 marks, viz.:

Greek, Latin, English, Divinity, French, German, Engineering, Drawing, each 100; Science, Mathematics, each 200.

The marks of any paper shall not count in the total unless they are at least 50 per cent. of the maximum.

#### The McCawley Classical Scholarship.

5. Established as a testimonial to the **Rev. G. McCawley, D. D.** on his retirement from the office of President.

Open to matriculated undergraduates who have completed their first year of residence.

#### The Almon-Welsford Testimonial.

6. **William J. Almon, Esq., M. D.**, endowed King's College with \$400, the interest of which is appropriated as a prize to be competed for by the matriculated students in their first year of residence. The prize shall be presented by the President, in the College Hall, at the beginning of the next Academical year, and the successful candidate shall in a Latin oration, commemorate the gallant and loyal deeds of Major Welsford.

#### Moody Exhibition.

7. The "Catherine L. Moody" Exhibition of \$50 awarded to the student entering the second year preparing for Holy Orders, whose scholarship and exemplary conduct, shall in the opinion of the Faculty merit it. To be held for two years.

(At End of Second Year.

#### Bishop Binney Prize.

(\$20.00).

8. This prize, which was founded by Mrs. Binney in memory of her husband, the late Bishop Binney, is given to the undergraduate who passes the best examination at the end of the second year.

(Third and Fourth Years.

#### The Crockett Greek Prize.

9. Founded in memory of the late **Rev. Stuart Crockett, D. C. L.**, by Mrs. Crockett, of New York. Awarded to the student securing first place in Greek of the Third or Fourth years.

#### The Wallace Greek Testament Prize.

10. Established by the late Canon C. H. Wallace, of Bristol, England, in memory of his father, Charles Hill Wallace, Barrister of Lincoln's Inn, who graduated at King's College in 1823, and died in England in 1845.

#### The Harry Crawford Memorial Prize.

11. The Harry Crawford Memorial of \$25.00 annually, is offered by a friend in memory of Harry Crawford son of Thomas H. and Elizabeth E. Crawford, Hampstead, N. B., and a student of this College, who died true to his King and his Country, April 14th, 1915, while serving in the Canada Motor Cycle Corps.

The prize is awarded by the Faculty to the student taking the third year Arts course, whose character and scholarship average highest in his class. A student intending to pursue the divinity course will be given the preference.

#### The Henry D. deBlois English Prize.

12. The late **Rev. Henry D. deBlois, D. C. L.**, a graduate of King's College, left the sum of \$200 to the Governors of the College to establish a prize in English.

The interest of this sum is given annually as a prize to the student of the third or fourth year Arts presenting the best English essay during the academical year.

#### The McCawley Hebrew Prize.

13. £9 Sterling. Open to all members of the University who are below the standing of M. A., and who have not already gained the first premium in Hebrew.

This prize is given out of the interest of a Trust Fund, the gift of the **Rev. George McCawley, D. D.**, in the hands of the Society for the Propagation of the Gospel in Foreign Parts.

(General.)

#### The Governor General's Medal.

14. Given to the candidate who obtains the highest standing in the examinations for B. A. Degree.

**The Akins' Historical Prize.**

15. **T. B. Akins, Esq., D. C. L.**, Barrister-at-Law, and Commissioner of Public Records, vested in the Governors, as Trustees, a sum of money sufficient to found a prize of thirty dollars annually for the best Paper or Essay on the County History of Nova Scotia, embracing matters derived from all local records and traditions relating to the early and progressive history of each county. The Essays must be given in to the Secretary of the Governors, on or before the first day of April.

The Essays, when handed in, are the property of the College.  
Subject: To be announced.

**Haliburton Prize.**

16. Given by the Haliburton Club, for the best essay on a selected subject. Essays should reach the President of the Club before Sept. 15th.

**The Jackson Exhibition.**

\$25.00.

17. Founded by the Rev. G. O. Cheese, M. A. (Oxon.), in memory of his former tutor, the late T. W. Jackson, M. A., of Worcester College, Oxford. Awarded each year by vote of the Faculty.

**The Binney Exhibition.**

\$50 per Annum.

18. Founded in the year 1858, by Miss Binney, sister of the late Visitor, and daughter of the late Rev. Hibbert Binney, in memory of her father.

The design of this Scholarship is to assist students who may require assistance, and who shall have commended themselves by their exemplary conduct, although their abilities and acquirements may not qualify them to be successful competitors for an open Scholarship.

**Dr. M. A. B. Smith's Prize.**

19. Dr. Smith's Prize of \$20 is given for excellence in reading Scripture and the Liturgy of the Church.

**20. R. V. Harris Prize.**

Open to students of King's, Bishop's, and Trinity University for the best essay on a subject relating to the history of the Canadian Church, Value \$25.00. Essays to be handed in March 31 1925. Subject 1924-5: "The History of the Church of England in Canada previously to 1785."

**The Rhodes Scholarship**

21. This scholarship of the annual value of £300 for three years is awarded annually. For circulars and further information, Apply to Prof. J. E. Read, Secretary Committee of Selection.

**1851 Exhibition Science Research Scholarships.**

22. These scholarships, of the value of £200 sterling a year, are tenable for two, or, in rare instances, three years. They are open to students of not less than three years standing who have shown evidence of capacity for original research, and are tenable at any university or other institution approved by the Commissioners. For particulars address the President.

**Daughters of the Empire Bursary.**

23. This bursary of the annual value of \$250.00, is tenable for four years at any university in Nova Scotia and is open to the sons and daughters of deceased or permanently disabled soldiers and sailors. One is available for each Province each year.

Full information can be obtained by writing to the Head Office of the Order for Canada, 238 Bloor Street East, Toronto, Ont.

(The holder of this bursary is granted exemption from class fees to the extent of \$25.)

**Daughters of the Empire Post-Graduate Overseas Scholarship.**

24. This scholarship was founded by the Imperial Order, Daughters of the Empire, as part of the war memorial of the Order. Nine are offered annually—one for each Province. They are of the value of \$1,400, are tenable for one year and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial history, the economics and government of the Empire and Dominion, or any subject vital to the interests of the Empire." For further information apply to the Head Office of the Order.

(Divinity Scholarships).

**The Cogswell Scholarships.**

25. Two of \$120 per annum each. Open to candidates for Holy Orders under the direction of the Trustees.

Regulations relating to these Scholarships will be posted on the Notice Board; or they may be had on application to the President.

**Laurie Memorial Scholarship.**

26. Three Scholarships of about \$120 each, founded in memory of Major Gen. Laurie, D. C. L., open to candidates for the Ministry, under the direction of the trustees. Particulars may be had from the President.

## King's College

## S. P. C. K. Studentships.

27. The Society for Promoting Christian Knowledge offers Studentships of about \$145 each, tenable for three years, to students, who, after taking a Divinity Course at King's College or some other approved College, promise to devote five years to pastoral work in the North West.

## Divinity Grants.

28. Grants to aid students in Divinity who require assistance are made by the Archbishop of Nova Scotia, and by the Bishop of Fredericton. The holders of these must fulfil such conditions as the Bishop lays down, and in every case a personal interview must be had.

The recipients of these grants must sign a bond to serve in the Diocese of Nova Scotia or the Diocese of Fredericton from the time of the closing of their course at King's for a number of years equal to that for which they have received grants.

Any misconduct or failure to keep terms or unfavorable report from the President will cause the grant to be withdrawn without notice.

These students must hold themselves ready to serve as Lay Readers if required.

## Faculty of Arts &amp; Science

(Reprinted from Dalhousie University Calendar).

## General University Regulations.†

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found on p. 13, *et seq.*

## Academic Year.

The Academic Year consists of one session of about thirty-two weeks duration. The session of 1924-25 will begin on Monday, September 22nd, 1924, and end on Tuesday, May 12th, 1925.

## Degrees and Courses.

Courses are prescribed leading to the degrees of Bachelor of Arts (B. A.), Master of Arts (M. A.), Bachelor of Science (B. Sc.), Master of Science (M. Sc.), Bachelor of Music (B. Mus.), Bachelor of Pharmacy (Phm. B.), and Bachelor of Commerce (B. Com.), and to the Diploma of Licentiate of Music (L. Mus.). A course in Engineering, extending over two or three years, is prescribed for students who look forward to subsequently completing a course in Civil, Mechanical, Electrical or Mining Engineering at the Nova Scotia Technical College, or other technical institution. A diploma is given for successful completion of this course.

The courses for the degrees of Bachelor of Arts and of Science extend over four years. Candidates for these degrees may either follow the corresponding Ordinary course, or, if they have obtained a sufficiently high standing in the work of the first two years, may in their third year enter upon a course leading to the degree of Bachelor of Arts or of Science with Honours.

†It is to be distinctly understood that the regulations regarding courses of study examinations, fees, etc. contained in this Calendar are intended for the current year only, and that the Faculty does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.



The degree of Bachelor of Arts or of Science with Distinction is awarded to a student who obtains a sufficiently high standing in the classes of the Ordinary course.

The degree of Master of Arts or of Science is given for the successful completion of an approved course of graduate work extending over at least one year.

The course of study for the Diploma of Licentiate of Music extends over two years, and that for the degree of Bachelor of Music over three years.

The degree of Bachelor of Pharmacy is awarded for the successful completion of a course extending over four years.

#### Ordinary Course for Bachelor of Arts.

The Ordinary course of study prescribed for the degree of Bachelor of Arts consists of the following twenty classes.

- (i) Two classes in either Latin or Greek.
- (ii) Two classes in one, not already chosen, of the following languages: Latin, Greek, French, German, Spanish.
- (iii) Two classes in English.
- (iv) History 1, Philosophy 1, Mathematics 1 or 1 C.
- (v) One Class in either Physics or Chemistry.
- (vi) One class in Physics or Chemistry or Biology 1 or Geology 1.
- (vii) Latin 3 or Greek 3 or French 3 or German 3 or Economics 1 or Government 1.
- (viii) Eight other classes, selected from the following list, such that of the twenty offered for the degree at least four must be taken in one subject and at least three in each of two others.

Latin	Archaeology	Mechanics
Greek	History	Physics
Biblical Literature	Economics	Chemistry
French	Government	Geology
German	Philosophy	Biology
Spanish	Mathematics	Physiology
English	Music	

For details of subjects studied in the above classes see Courses of Instruction, p. 55, *et seq.*

#### Choice of Elective Classes.

Latin 1, Greek 1, French 1, German 1 and Spanish 1, are not recognized as part of a course for a degree unless the corresponding second class is subsequently taken.

An advanced or Honour class may be taken as an elective by students who are not in an Honour course, if approved by the Faculty.

Lists of the elective classes chosen by students must be submitted for approval not later than Wednesday, October 8th, 1924.

#### Affiliated Courses.

An undergraduate looking forward to the study of Divinity, Law, Medicine, Engineering or Commerce may offer one of the following groups in place of three of the eight electives required above:

A. **For Divinity.**—Hebrew, New Testament Greek.

B. **For Law.**—Any four classes of the First year in Law.

C. **For Medicine.**—Anatomy 1 and Practical Anatomy 1, Histology, Embryology.

D. **For Engineering.**—Drawing 1, Drawing 2, Mechanics 3, 4.

E. **For Commerce.**—Accounting 1, Accounting 2 or Commercial Law, Marketing, Business Organization.

Students whose course has included Physics 1, 2, 4, Chemistry 1, 2, 4, Biology 1A, and the subjects of Group C may complete a subsequent course in Medicine at this University in four years.

An undergraduate who elects group D, and also includes in his course the other classes common to it and the course in Engineering, and who takes Surveying, Drawing 3 and Mechanics 5 as extra classes, may complete the subsequent work for a degree in Engineering in two years.

Graduates who have passed in the classes of Group E, may complete a subsequent Commerce course in this University in two years.

### Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding admission to classes (page 44). The following schedule in which the classes are arranged in years shows the order recommended for undergraduates; *but students who intend to take one of the Affiliated Courses, or to enter an Honour Course, should consult the Registrar early in their course about the right order of classes for the purpose.*

#### First Year.

1. Latin 1, or Greek 1.
2. One, not already chosen, of Latin 1, Greek 1, French 1, German 1, Spanish 1.
3. English 1.
4. Mathematics 1 or 1C.
5. Chemistry 1, or History 1, or Physics 1 or 2.

#### Second Year.

1. The language chosen as class 1 in the first year.
2. The language chosen as class 2 in the first year.
3. English 2.
4. Philosophy 1, or History 1.
5. A class in one of the following: Mathematics, Physics, Chemistry, Economics, Government.

#### Third and Fourth Years.

The remaining required classes and elective classes from the subjects specified on page 25.

#### Ordinary Course for Bachelor of Science.

The Ordinary course of study prescribed for the degree of Bachelor of Science consists of the following twenty classes:

(i) Two classes in English.

(ii) One in each of the following: Mathematics (including Drawing 1B), Physics, Chemistry, Biology, or Geology, French, German.

(iii) Two classes selected from the departments of Languages, History, Economics, Government and Philosophy.

(iv) Ten other classes, such that of the twenty offered for the degree at least four shall be taken in one Science (including Mathematics), at least three in another Science and at least three in Mathematics or English or a third Science.

#### Affiliated Courses.

An undergraduate looking forward to the study of Engineering may offer the classes of Group A below instead of four of the electives required from Group iv above.

**A. For Engineering.**—Drawing 2 and 3, Surveying, Mechanics 3, 4 and 5.

An undergraduate who elects group A and also includes in his Science course the other classes common to it and the course in Engineering, may complete the subsequent work for a degree in Engineering in two years.

An undergraduate looking forward to the study of Medicine may offer the subjects in Group B below for three of the electives in Group iv above:

**B. For Medicine.**—Anatomy 1 and Practical Anatomy 1, Histology, Embryology.

Students whose course has included Physics 1, 20, Chemistry 1, 2, 4, Biology 1A, and the subjects of Group B, may complete a subsequent course in Medicine at this University in four years.

#### Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding Admission to Classes (page 44). The following schedule in which the classes are arranged in years shows the order re-

commended for undergraduates; *but students who intend to take one of the Affiliated Courses, or to enter an Honour Course, should consult the Registrar early in their course about the right order of classes for the purpose.*

#### First Year.

1. French 1.
2. German 1.
3. English 1.
4. Mathematics 1 (including Drawing 1B.)
5. Physics, or Chemistry 1.

#### Second Year.

1. English 2.
2. An elective.
- 3, 4, 5. Three Science classes.

#### Third and Fourth Years.

The remaining required classes and elective classes from the subjects specified.

#### Admission to Advanced Standing.

Students may enter the University on Advanced Standing, that is, be given credit for certain classes of the first year, and thus have the opportunity of completing a course for a degree in Arts or Science in three years, as follows:

A student entitled to Matriculant or Undergraduate standing in Arts or Science, who presents one of the certificates specified below, will be given credit, after completing a subsequent class in the same subject, or, in the case of Mathematics 1, a Science class, for such classes in the following list, not exceeding five in number, as the certificate warrants:

**Latin 1, Greek 1, French 1, German 1, English 1, Mathematics 1.**

A candidate will be allowed Supplementary examinations in the subjects required to complete five classes, provided the certificate shows a mark of at least 30 per cent. in such subjects and the candidate has credit for the corresponding Matriculation subjects. No credit

shall be given for certificates obtained subsequent to registration in the University for the first time. The certificates to which these provisions apply are the following:

- \*(a) High School Certificate of Grade XII of Nova Scotia;
- (b) Honour Diploma, as issued by the Prince of Wales College, P. E. I.;
- (c) Grammar School Licence of New Brunswick;
- (d) Diploma of the Senior Associate Grade, as issued by the Education Department of Newfoundland;
- (e) Equivalent Certificates issued by Education Departments of other Provinces.

The above privilege of taking Supplementary examinations on certain subjects of the first year, granted to the holders of specified certificates, may be granted also to other candidates who in the opinion of the Committee on Admission have equivalent qualifications.

#### Degree of Bachelor with Distinction.

The degree of Bachelor of Arts or of Science with Distinction will be conferred on undergraduates for special excellence shown in the classes of the Ordinary course. The award of such degree is based upon the Class Distinctions (page 52) gained by candidates; and not only are the number and grade of such Distinctions considered, but also the extent and character of the work by which they have been gained. Distinctions gained in recognized classes of other Faculties of the University are taken into consideration, but not those gained in other colleges, though such classes may be recognized for the degree.

The total number of classes in which distinction may be attempted is eight, of which two may be taken in the second year and three in each of the third and fourth years.

Students taking more than 21 hours per week (lectures and laboratory) will not be admitted to read for distinction in any class.

No distinction work will be offered in Latin 1, Greek 1, French 1, German 1, Spanish 1, Chemistry 1, Physics 1, 2, Mathematics 1, 1C.

\*The standard required is 50 per cent. in each subject. For Mathematics an aggregate of 150 is required in the three subjects of Algebra, Geometry and Trigonometry.

Candidates for Distinction are advised to consult the Registrar with respect to the selection of classes.

### Degree of Bachelor with Honours.

An undergraduate who has passed in at least *nine* classes of the Ordinary Arts or Science course with sufficient credit is allowed to restrict his attention during his third and fourth years to a more limited range of subjects than that prescribed for the Ordinary course, by entering an Honour course.

A candidate for admission to an Honour Course must obtain the permission of the Faculty, which will in ordinary circumstances be granted only to students who have attained a high standing in the classes preliminary to the Honour course selected (see statement of Honour courses below); and the candidate should, accordingly, plan his course so as to take these preliminary classes during his first two years.

Before graduation he must have passed in the following classes: (a) Two in each of two foreign languages, of which, in Arts, Latin or Greek must be one. (b) Two in English. (c) One in Mathematics. (d) One in Physics or Chemistry.

In all cases the number of classes required for the degree shall not be less than twenty.

Honour courses are provided in the following departments: (i) Classics, (ii) Latin and English, (iii) Greek and English, (iv) English and English History, (v) Any two of History, Economics and Politics, (vi) Philosophy, (vii) Mathematics, (viii) Physics, (ix) Chemistry, (x) Geology and Geological Chemistry. Undergraduates in Arts may enter any of these courses for which they are eligible. Undergraduates in Science may enter any of the last five courses for which they are eligible.

An undergraduate who enters upon an Honour course in any of the above departments must take the advanced classes in the department chosen and certain other classes specified below in the requirements for the individual courses, and is required to make satisfactory progress in these classes. He may select the remaining classes of his course, if he is an undergraduate in Arts,

from any of the subjects of the Ordinary course in Arts, and if an undergraduate in Science, from any of the subjects of the Ordinary course in Science, the choice in each case being subject to the approval of the Faculty.

The examinations in the subjects of an Honour course are held at the end of the last year of the course.

A candidate for Honours may defer his examination in the subjects of his course until a year after he has passed the examinations in the Ordinary subjects of the fourth year; in which case, however, such candidate shall not be entitled to his degree until he has passed the examination of such Honour course.

Successful candidates will be declared to have obtained their degrees with Honours, with High Honours, or with High Honours and a Medal.

### Honour Courses.

#### I. Classics.

**Preliminary Classes.**—Latin 1 and 2, and Greek 1 and 2.

Candidates taking the Honour Course in Classics are required to take Latin 3, 4, 5 and 6 and Greek 3, 4, 5 and 6 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and Greek 3 and 4 will be considered in the final award.

#### Latin.

A. Candidates will be required to have a critical knowledge of the following works, in addition to those prescribed in the ordinary course:—

Plautus: *Captivi*, *Miles Gloriosus*. Terence: *Adelphi*, *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II; *Ars Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *De Oratore*, I; *Philippics*, I, II; *Pro Cluentio*. Livy: XXI, XXII. Tacitus: *Annals*, I, II; *Agricola*. Pliny: *Letters*, Bks. I-III.

B. **Composition.**—Translation from English into Latin prose.

C. **Literature.**—A general knowledge of the history of Latin literature with a more minute knowledge of the lives and writings of the authors prescribed. (Mackail: *Latin Literature*. Cruttwell: *History of Roman Literature*).

D. **Translation at Sight.**—Passages from Latin books not prescribed will be set.

#### Greek.

A. Aeschylus: *Eumenides*, *Prometheus Vincit*. Sophocles: *Ajax*, *Oedipus Rex*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-VIII. Thucydides, II, III. Plato: *Republic*, I-IV. Demosthenes: *De Corona*. Aristotle: *Poetics*.

B. **Composition.**—Translation from English into Greek prose.

C. **Literature.**—A general knowledge of the history of Greek literature, with a more minute knowledge of the lives and writings of the authors prescribed. (Jebb: *Primer of Greek Literature*, *Introduction to Homer*. Mahaffy: *History of Greek Literature*. Haigh: *Attic Theatre*).

D. **Translation at sight.**—Passages from Greek books not prescribed will be set.

## II. Latin and English.

**Preliminary Classes.**—Latin 1 and 2, and English 1 and 2. Prospective candidates are strongly recommended to take two classes in German.

Candidates taking the Honour Course in Latin and English are required to take Latin 3, 4, 5 and 6 and English 3, 4, 5, 6 and 7 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and English 3, 4 and 5 will be considered in the final award.

#### Latin.

The Latin prescribed for the Honour course in classics.

#### English.

The historical development of the language and literature to the year 1300. Bright: *Anglo-Saxon Reader*. Sievers: *O.E. Grammar* (trans. by Cook) Pt. II. Morris: *Specimens of Early English*. I. Emerson: *History of the English Language*. Sight reading of Old English.

History of the Elizabethan and Early Stuart Literature.—Sidney: *Apologie for Poetrie*. Hooker: *Ecclesiastical Polity*, Book I. Bacon: *Advancement of Learning*, *Essays*.

Marlowe: *Tamburlaine*, *Edward II*, *The Jew of Malta*. Greene: *Friar Bacon and Friar Bungay*. Jonson: *The Alchemist*, *Every Man in His Humour*. Beaumont and Fletcher: *Philaster*, *The Knight of the Burning Pestle*. Massinger: *A New Way to Pay Old Debts*. Webster: *The Duchess of Malfi*. Shakespeare: *Titus Andronicus*, *Romeo and Juliet*, *Julius Caesar*, *Hamlet*, *Othello*, *Lear*, *Macbeth*, *Antony and Cleopatra*, *Coriolanus*, *Timon*, *The Two Noble Kinsmen*.

**Books recommended:** Sidney, Cook's edition (Ginn & Co.); Hooker, Church (Clarendon Press). Bacon: *Advancement*, Wright (Clar. Press). *Essays*, Wright, (G. T. Series). History of Literature; Ten Brink, Saintsbury, Brooks (Clarendon Press). "Mermaid," "Temple Dramatist," "Belles Lettres," and Arber editions of Elizabethan works.

## III. Greek and English.

For the requirements in this course read "Greek" for "Latin" in the above course.

## IV. English and History.

**Preliminary Classes.**—English 1 and 2 and History 1. Prospective candidates must arrange to take these classes during their first two years if they desire to complete the work for a degree in four years.

Candidates taking the Honour Course in English and History are required to take English 3, 4, 5, 6 and 7, and History 2, 3, 4 and 5 and any special Honour class in History offered, in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of attainment shown in English 3, 4 and 5 and History 2, 3, 4 and 5 will be considered in the final award.

#### English.

The English subjects prescribed for the Honour course in Latin and English.

#### History.

The History subjects prescribed for the Honour course in History, Economics and Politics. (See below).

## V. History, Economics and Politics.

Candidates desiring to take the Honour course in any two of these departments and to complete the work for

a degree in four years must take the first-classes in each department in their first two years. They are required to take a minimum of four additional courses in each department and any special Honour classes offered, in their third and fourth years; and in addition to the required classes they must have taken during their course sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on two groups of the following subjects; but the standard of attainment shown in the other classes taken in the two departments will be considered in the final award.

**Preliminary Classes.**—History 1, Economics 1, Government 1.

#### History.

A. **British History under the Tudors and Stuarts.**—Innes: *England under the Tudors*. Trevelyan: *England under the Stuarts*. Gardiner: *Oliver Cromwell*. Lodge: *Political History of England*. Prothero: *Statutes and Constitutional Documents*. Gardiner: *Constitutional Documents of the Puritan Revolution*.

B. **European History in the Sixteenth and Seventeenth Centuries.**—Johnston: *Europe in the Sixteenth Century*. Wakeman: *Ascendancy of France*. Kitchin: *History of France*. Sismondi: *Italian Republics*. Fletcher: *Gustavus Adolphus*. Gardiner: *Thirty Years War*. Lodge: *Richelieu*. *Cambridge Modern History*.

C. **The Crusades.**—Archer and Kingsford: *The Crusades*. Stevenson: *The Crusaders in the East*. Lane-Pool: *Saladin*. Archer: *The Crusade of Richard I*. Von Sybel: *History and Literature of the Crusaders*.

D. **History of Canada since 1763.**—*Canada and its Provinces* (selected portions). Bourinot: *Canada under British Rule*. Murray: *Canadian Constitutional Development*. Short and Dougherty: *Canadian Constitutional Documents*.

#### Economics.

A. **Problems of Production.**—Marshall: *Principles of Economics*. Jenks: *The Trust Problem*. MacGregor: *Industrial Combination*. Fay: *Cooperation at Home and Abroad*. Price: *Cooperation and Copartnership*. Shadwell: *Industrial Efficiency*. Jones: *Economic Crises*.

B. **Money and Banking.**—Jevons: *Money*. Scott: *Money and Banking*. Nicholson: *Money and Monetary Problems*. Walker: *Money*. Bagehot: *Lombard Street*. Conant: *Modern Banks of Issue*. Clare: *A. B. C. of the Foreign Exchanges*.

C. **Taxation and Public Finance.**—Bastable: *Public Finance*. Seligman: *Essays in Taxation*. Jones: *Nature and*

*First Principles of Taxation*. Ashley: *Modern Tariff History*. Nicholson: *Principles of Political Economy*, Vol. III.

D. **Labour.**—Webb: *Industrial Democracy and Problems of Industry*. Hobhouse: *The Labour Movement*. Estey: *Syndicalism*. Cole: *The World of Labour*. Jevons: *The State in relation to Labour*.

#### Politics.

Four subjects from the following groups, but not more than two from any one group.

- A.
  1. Greek Political Thought.
  2. Political Thought of the Middle Ages.
  3. Modern Philosophy of the State.
- B.
  1. Government of England.
  2. American Government.
  3. Municipal Government.
- C.
  1. Advanced International Law.
  2. Great Congresses and Treaties from Westphalia to Versailles.
  3. History and Practice of Diplomacy.

### VI. Philosophy.

**Preliminary Class.**—Philosophy 1.

Candidates taking the Honour course in Philosophy are required to take Philosophy 2, 3, 4, 5, 6, 7 and 8 and any special Honour classes in Philosophy offered, in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of attainment shown in Philosophy 2, 3, 4, 5, 6, 7 and 8 will be considered in the final award.

A. **Logic.**—Welton: *Manual of Logic* (2 vols.). Mill: *System of Logic*. Joseph: *Introduction to Logic*. Bradley: *Principles of Logic*.

B. **Psychology.**—Klemm: *A History of Psychology*. Rand: *The Classical Psychologists*. Watson: *Behavior: An Introduction to Comparative Psychology; Psychology from the Standpoint of a Behaviorist*. MacDougall: *Body and Mind*. Ward: *Psychological Principles*.

C. **Metaphysics.**—Taylor: *Elements of Metaphysics*. Bradley: *Appearance and Reality*. Bergson: *Time and Free Will*.

D. **Ethics.**—Mackenzie: *Manual of Ethics*. Moore: *Principia Ethica*. Sidgwick: *Methods of Ethics, and History of Ethics*. Green: *Prolegomena to Ethics*. Rashdall: *Theory of Good and Evil*.

E. **History of Modern Philosophy.**—Locke: *Essay on the Human Understanding*, I, II, V. Berkeley: *Principles of Human Knowledge, New Theory of Vision, Dialogues between Hylas and Philonous*. Hume: *Inquiry into Human Nature*. Kant: *Critique of Pure Reason*, to the end of the Transcendental Dialectic.

F. **History of Greek Philosophy.**—Gompers: *Greek Thinkers*. Adam: *Religious Teachers of Greece*. Plato: *Republic*, I-III, V, VI, VII; Aristotle: *Ethics*, I-III, VII, X.

### VII. Mathematics.

**Preliminary Classes.**—Mathematics 1, 2, 3 and 4, and Physics 1, or 2 and 3.

Undergraduates taking the Honour course in Mathematics are recommended to take German and Physics 1, or 2 and 3 in their first and second years. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years four advanced classes in Mathematics, Mechanics 2 and Physics 4, 5, 7 and 10. The standard of attainment shown in the examinations in Physics 4 and 5 will be considered in the final award.

The special Honour examinations will be set on the following subjects:

#### Pure Mathematics.

Any four of the following:

(a) Infinitesimal Calculus; (b) Plane and Solid Analytic Geometry; (c) Differential Equations; (d) Algebra (Determinants, Theory of Equations, Quantics, Invariants, Series, Functions of a real variable); (e) Projective Geometry.

#### Applied Mathematics.

Problems in Mathematical Physics given in Physics 7 or appointed for private reading. The solution of these problems involves the use of Analytical Geometry, Calculus, Differential Equations and Vector Analysis.

### VIII. Physics.

**Preliminary Classes.**—Mathematics 1, 2, 3 and Physics 2 and 3.

Undergraduates taking the Honour course in Physics are recommended to take German, Physics 2 and Mathematics 1 and 2 in their first year and Physics 3, Chemistry 2 and Mathematics 3 in their second year. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years at least eight classes in Physics, Mathematics and Mathematical Physics.

The Special Honour examinations will be set to test (1) the students general knowledge of the more elementary parts of the subject, (2) his grasp of the more advanced parts of the subject which have been taken up in lectures and (3) his ability to make up some part of the subject without the aid of lectures.

### IX. Chemistry.

**Preliminary Classes.**—Chemistry 1, 2 and 4, Physics 1, Mathematics 1, 2, 3. Two classes in German are recommended.

In order to complete this course in four years, it is necessary to take Mathematics 1, 2, 3. Physics 1, Chemistry 1, 2 and 4 in the first and second years; and Physics 4, 5 and 10, Chemistry 5, 6, 7, 8, and 9 or 10 in the third and fourth years.

Candidates for High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to show special attainments in some branch of laboratory work, as special branches of analysis, or the preparation of organic compounds. The standard of attainment shown in Physics 4 and 5 (Distinction courses), Physics 10 and Chemistry 5, 6, 7, 8, and 9 or 10, will be considered in the final award.

The special Honour examinations will be set on the following subjects:

A. **Inorganic and Physical Chemistry.**—Mellor: *Modern Inorganic Chemistry*. Ostwald: *Principles of Inorganic Chemistry*. Walker's: *Introduction to Physical Chemistry*. Washburn: *Physical Chemistry*. Selected portions of LeBlanc's *Text-book of Electro-Chemistry* and of *Text-books of Physical Chemistry*, edited by Sir William Ramsay. The requirements in Physical Chemistry are in large part covered by the class-work of Chemistry 6.

B. **Organic Chemistry.**—Holleman: *Organic Chemistry*. Cohen: *Organic Chemistry* (selected chapters). Porter: *The Carbon Compounds*.

C. **History of Chemical Theory.**—The development of chemical theory as treated in Chemistry 5 with the prescribed supplementary reading. Candidates are required to have a thorough

knowledge of the following memoirs: Graham: *Researches on the Arseniates, Phosphates and Modifications of Phosphoric Acid* (Alembic Club Reprints, No. 10). Liebig and Woehler: *Ueber das Radikal der Benzoesäure* (Ostwald's *Klassiker*, No. 22). Liebig: *Ueber die Constitution der organischen Säuren* (Ostwald's *Klassiker*, No. 26).

D. **Laboratory Methods.**—The principles and methods of analysis and of the preparation of inorganic and organic substances, as in Chemistry 7, 8 and 10, including Distinction work.

### X. Geology and Geological Chemistry.

**Preliminary Classes.**—Geology 1, Physics 1, Chemistry 1 and 2, and Biology 2 and 3, or 1A.

Prospective candidates are recommended to take German.

The special Honour examinations will be set on the following subjects:

- (a) General Geology; (b) Mineralogy; (c) Petrography; (d) Economic Geology; (e) Geological Chemistry.

### Master of Arts and Master of Science.

A candidate for the degree of Master of Arts or Master of Science must hold the corresponding Bachelor's degree from a College or University recognized by the Senate for the purpose, and have held it for at least one year, and be of good character and standing. The course of study for the degree shall be confined to one subject or two closely related subjects, and must be submitted to, and receive in advance the approval of the Faculty of Arts and Science. The course shall consist of work in advance of that given in the ordinary undergraduate classes; but some of the more advanced undergraduate classes may be a part of it, provided these have not been part of the work of the candidate for the Bachelor's degree. At least three undergraduate classes must already have been taken in the main subject offered and distinction must have been obtained in the last two classes so taken. The course shall comprise work amounting to not less than that of five classes, and designed to occupy the candidate's time for not less than forty hours per week for a session, class attendance and time spent on preparation being included. The work may be done wholly or in part

by private reading by graduates of Dalhousie University, for whom attendance at the University is not necessary; all other candidates must be in residence. When work done extra-murally is offered for the degree two years must have elapsed since graduation before the examinations for the Master's degree can be taken. In announcing the award it shall be stated whether the course was taken in residence or extra-murally.

The course of study for the Master's degree shall be arranged for each candidate by the department chiefly concerned, due consideration being taken of the candidate's preparation, needs and aims. In case of deficient preparation for what the department regards as proper graduate work, prerequisite undergraduate classes may be prescribed, but such classes shall not count as part of the work for the degree.

An essay or thesis may be required of the candidate. When required, it shall be regarded as forming one-fifth of the full course of study and should occupy one-fifth of the candidate's time for the session. This restriction, however, shall not apply to the departments of Physical Science. Theses must be sent to the Secretary of the Faculty on or before the first of March.

An undergraduate who, at the beginning of a session, has fewer than five classes to complete in order to obtain the Bachelor's degree, may be permitted, with the approval of the Faculty, to take not more than two advanced classes with a view to including such class or classes in a subsequent course for the Master's degree.

A candidate for a Master's degree must complete the entire work of his course before being admitted to any examinations for the degree, and the time over which such examinations may extend shall not exceed a fortnight. A student failing in any one of the examinations is required to repeat all examinations. The pass mark shall be fifty per cent. in each subject. Examinations shall be held ordinarily at the time of the Spring examinations; but in special circumstances, they may be held in the Autumn. **Candidates must give one month's notice to the Secretary of the Faculty of their intention to appear for examination, and the fee must accompany the notice.**



### Uniform Course for all Branches of Engineering.

This course is intended for students who look forward to taking a degree in Civil, Electrical, Mechanical or Mining Engineering. It covers the first two years of a course for such a degree, and corresponds to the requirements prescribed for admission to the courses for a degree in Engineering in the Nova Scotia Technical College, or to entrance into the third year of other engineering institutions. A Diploma is given for successful completion of the course.

The minimum work of the course is so arranged that it can be covered in two years, but students are advised (unless they already have grade XII standing in English, Algebra, Geometry and Trigonometry) that it is preferable that they should give three years to the course, taking extra classes in English, Geology and Chemistry, and thus lay a better foundation for an engineering career.

The minimum necessary and essential preliminary requirements in order to enter upon the course in Engineering are: Matriculation in (a) English, (b) Algebra (c) Geometry, and (d) Physics or Chemistry; but before a student will be admitted to the Nova Scotia Technical College, or third year of any other institution in which he is to take the final two years of his course, or be eligible for the diploma referred to above, he must have matriculation in (e) History and Geography, (f) French or German, and (g) Latin. French 1 or German 1 (or 50 per cent. in the corresponding grade XII examination) may be substituted for matriculation Latin.

**First Year.**—English 1, Mathematics 1 and 2, Physics 2, Chemistry 1, Drawing 1 and 2, Shopwork.

**Second Year.**—Mathematics 3 and 4, Physics 3, Mechanics 2, 3, 4 and 5, Surveying, Drawing 3.

For details of the work in the classes see pp. 50 *et seq.*

The schedules of courses for students who enter with grade XII standing in English and Mathematics, and for those with grade XI standing who are willing to give three years to the course may be had on application.

### Course for Bachelor of Commerce.

The course of study prescribed for the degree of Bachelor of Commerce may be completed in four years, and consists of the following classes:

**First Year.**—French 1 or German 1 or Spanish 1, English 1, Mathematics 1C, Economics 1, Economic Geography, Accounting 1.

**Second Year.**—French 2 or German 2 or Spanish 2, English 2, History 1, Accounting 2, Biology 1 or Chemistry 1 or Physics 1, Marketing and Distribution.

**Third Year.**—Philosophy 1, French 10 or German 10 or Spanish 10, Business Organization, Economics 2, Commercial Law 1, Business Correspondence, one other class in Commerce.

**Fourth Year.**—Money and Banking, Labor and Trust Problems, Corporation Finance and Investment, Commercial Law 2, two other classes in Commerce, thesis or supervised work at the discretion of the Department requiring six hours a week.

### Degree of Bachelor of Music.

The course for the degree of Bachelor of Music may be completed in three years. Candidates for the degree may be students of the pianoforte, or organ, or violin, or voice. Candidates are required to pass the examinations in the subjects of the course, to submit the prescribed compositions, and to satisfy the examiners of their proficiency as musical performers by passing the prescribed practical tests. In addition, before proceeding to the examinations of the final year they must have completed Matriculation and must have satisfied the department of Modern Languages that they have a good reading knowledge of French and German.\*

The examinations in theory are the same for candidates in all branches of music.

\*To meet this requirement candidates are advised to read carefully six hundred pages of French and four hundred pages of German, of a varied character, in addition to the amount of reading required for Matriculation.

### Examinations.

The examinations are arranged in three groups or years. The examinations in any one group may be taken in a single year, and a candidate must have passed in all the subjects of a given group or year before proceeding to the examinations of the following one. The papers shall be set in accordance with the following schedule:

#### First Year.

1. Harmony in not more than four parts.
2. Analysis of Harmony.
3. Strict Counterpoint in two and three parts.
4. History of Music from the beginning of the Christian era down to 1750.
5. English 1.

#### Second Year.

1. Harmony in not more than five parts.
2. Strict Counterpoint in three and four parts.
3. Double Counterpoint in the octave and two parts.
4. Canon and Imitation in two parts.
5. Fugue as far as subject and answer.
6. History of music since 1750.
7. English 2.

#### Third Year.

1. Strict and Free Counterpoint in not more than five parts.
2. All forms of Double, Triple and Quadruple Counterpoint; Canon and Imitation in two, three and four parts.
3. Strict and Free Fugue in not more than five parts.
4. Analysis of Form.
5. Acoustics, in its relation to the Theory of Music.
6. Orchestration.
7. Analysis of a Full Orchestral Score.

The University provides instruction in English, Acoustics, French and German. Instruction in the professional subjects may be obtained at the Halifax Conservatory of Music, or other institution recognized for this purpose by the Senate.

Candidates for examination must make application in accordance with the Regulations for Courses in Music. (See below).

### Practical Tests.

The Practical Tests are held only at the time of the corresponding examinations, and an application for

examinations is considered as an application for the practical tests also. The practical tests of each of the three years are those given in detail in the calendar of the Halifax Conservatory of Music. A certificate of having passed the practical tests of the first year in an approved institution may be accepted, but those of the second and third years must be taken at this University.

### Compositions.

Candidates shall compose the following exercises, which are to be submitted at or before the final examinations for the degree:

- (a) A solo song with pianoforte accompaniment.
- (b) A four-part vocal composition.
- (c) An instrumental composition (other than a dance) for pianoforte, organ, or other stringed or wind instruments, with pianoforte accompaniment.

### Diploma of Licentiate of Music.

The Diploma of Licentiate of Music in Pianoforte, or Organ, or Violin, or Voice, will be granted candidates who complete two years of the course for the degree of Bachelor of Music by passing the examinations and practical tests of the first and second years.

### General Regulations for Courses in Music.

Candidates for any examination must have passed Matriculation in English (see p. 8).

Candidates who present certificates from a recognized institution of having attended approved courses of instruction in the subjects of the first year, and of having passed examinations on them accepted as equivalent to those of this University, and of having satisfied the corresponding practical tests set by that institution may be exempted from the examinations and practical tests in the subjects of the first year. The examinations and practical tests of the second and third years must be taken at this University.

Candidates who hold the Diploma of Licentiate of Music of this University are exempted from the examinations and practical tests of the first and second years of the course for the degree of Bachelor of Music.

The regular examinations are held in April. Supplementary and Special Examinations are held in September only. (See University Almanac.)

Candidates for any examination must make application to the Secretary of the Faculty of Arts and Science not later than March 25th, the application being accompanied by the proper fee (see p. 49) and by certificates of having attended approved courses of instruction in the professional subjects of the examinations and of having satisfactorily completed the work of such courses.

### COURSES IN PHARMACY.

#### Degree of Bachelor of Pharmacy.

Changes in the curriculum for this degree are under consideration and the details will be announced later.

For the calendar of the Maritime College of Pharmacy, and for all information, address G. A. Burbidge, Forrest Building, Halifax, N. S.

### GENERAL FACULTY REGULATIONS.

#### Admission to Classes.

1. Candidates for a degree must pass the Matriculation examinations (pp. 8-11). Only those classes which a student attends as an Undergraduate or Matriculant are recognized as qualifying for a degree in Arts or Science. In order to be a Matriculant in this Faculty the student must have passed Matriculation in English and at least four other subjects of Matriculation.

2. A Matriculant pursuing a course for a degree in Arts or Science and wishing to finish this course in four years should complete his Matriculation before entering the classes proper to the \*second year of his course. Thereafter until Matriculation is completed such student shall not be permitted to attend more than four classes in any one year.

\*For the purpose of this regulation five classes shall be regarded as constituting a year.

3. A Matriculant deficient in more than one subject of Matriculation shall not be admitted to more than four classes of a course for a degree.

4. A Matriculant deficient in one of the required foreign languages, whose preparation in this language has not covered any considerable part of the work prescribed for Matriculation, shall not be admitted to more than three undergraduate classes; and if deficient to a similar extent in the two required foreign languages, he shall not be admitted to more than two undergraduate classes. The Committee on Admission may, however, at their discretion, waive this regulation in the case of a student whose standing in the other subjects of Matriculation is high.

5. Classes are to be taken in the order of their advancement; and the class or classes specified under Courses of Instruction (p. 50 *et seq.*) as preliminary or prerequisite to a given class must be taken before such class. No undergraduate or matriculant shall be admitted to a class until he has passed the preliminary class or classes or other preliminary qualifications required.

6. Five classes shall be regarded as constituting a normal year's work for a student in good standing. Students seeking admission to six classes must make written application to the Committee on Studies, furnishing reasons in support of their application. No student who has failed in any class of his course in the preceding year of his attendance shall be admitted to more than five classes.

7. Students shall not be permitted to continue during the second term in more than two of the classes in which they have failed at the preceding Christmas examinations.

#### Attendance.

All students are required to attend the classes of their prescribed course regularly and punctually. Attendance is recorded in each class immediately before the work of the class is begun, and the record is not amended in case of students entering thereafter unless satisfactory reasons are assigned. A student

attendance on a given class is not under ordinary circumstances regarded as regular unless he has attended at least nine-tenths of the lectures or other meetings of the class.

A student whose attendance on any class is irregular will be excluded from the examinations in that class, and his attendance will not be recognized as qualifying for a degree.

### Class Work.

In order that their class work may be recognized as qualifying for a degree or diploma, candidates must not only comply with attendance regulations, but must also conform to the following requirements:

1. They must appear at all examinations, prepare such essays, exercises, reports, etc., as may be prescribed and, in case of a class involving field or laboratory work, complete such work satisfactorily. Failure to meet these requirements in any class may involve loss of credit for attendance in such class.

2. They must secure positions on the Pass List. In determining this list both the standing attained in prescribed class exercises and in field or laboratory work and that in the various examinations are taken into consideration. A candidate who fails to obtain a mark of at least 20 per cent. on the work of the session in any class shall lose credit for attendance in such class.

3. A candidate taking an affiliated course must, in the case of classes taken in another Faculty, conform to the regulations of such Faculty and must secure a position on the pass list in accordance with such regulations.

### Examinations.

#### Sessional and Class Examinations.

In all classes other than purely laboratory classes, two examinations, at least, are held, the Christmas examinations, immediately before the Christmas vacation, and the Spring examinations, after the close of lectures in the Spring. Other examinations in any

class may be held at dates appointed by the instructor. The papers set at the Spring examination in any subject cover the work of the whole session in that subject, and not merely the work of the Second term, and at least 25 per cent. of the questions shall be set on the ground covered before Christmas.

### Ordinary and Distinction Class Lists.

The names of candidates successful in the ordinary examinations are arranged in the published lists in order of merit in each class. In some classes (See page 29) additional work consisting of private reading, essays, reports, field or laboratory work, is prescribed for students who aim at Class Distinction. In such classes extra examinations are held in this additional work at the end of the session, and the award of distinction is based upon the ordinary and the additional work of the class.

Class Distinctions are of two grades, First and Second Class; but candidates who attain a standing considerably above that required for First Class will be indicated as having obtained a High First Class.

Names are arranged in the lists in order of merit in each grade.

### Supplementary and Special Examinations.

A student who fails to secure a position on the Pass List in a class, but who has otherwise fulfilled the requirements in class work stated on page 46, may be allowed the Supplementary examination in such class at the beginning of the next session of his attendance, on the day appointed in the University Almanac. A student who fails to appear at or to pass the Supplementary examination can only get credit for that class by passing a \*Special examination therein.

Supplementary or Special examinations in any class shall in all cases cover the whole work of the session in that class, and not merely the work of the first or second term.

\*Students who have failed to pass in any class should carefully note that any examination taken subsequent to the Supplementary examination, held in September of the next session of their attendance is a Special examination. The standard required to pass a Special Examination is considerably higher than that required for other examinations.

Supplementary and Special Examinations are held in September only.

No award of Class Distinction is made on the results of a Supplementary or Special examination.

A student wishing to appear as a candidate at a Supplementary or Special examination, shall be required to give notice of his intention to the Secretary of the Committee on Studies and Attendance on or before September 1st, the fee (see p. 49) to be remitted with the notice.

### Fees.

*All Fees and Deposits are payable in advance, and until these are paid the student will not receive credit for attendance upon any class, nor be admitted to any examination.*

#### For Registration.\*

Payable by students taking only one class in the University	\$3.00
Payable by students taking more than one class	5.00
Additional, payable by all students registering after the beginning of lectures, for each day	2.00

The Registration Fee entitles a student to the use of the University Library, Athletic Field, and Gymnasium.

#### For Tuition.

For each class not involving work in laboratory or draughting-room	\$ 18.00
†For each class involving work in laboratory or draughting room	23.00
For students taking one of the regular engineering courses the maximum annual tuition fee will be	125.00
For each tutorial M. A. class	9.00
For changing course of study after October 10th, charge for adding or substituting a class	1.00

These charges are the same whether the class is attended for all or part of the year.

A class taken a second time is charged for as if taken for the first time, except as stated below.

\*Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

†See Laboratory Deposit, p. 16.

Up to and including October 10th, a student may re-tire from a class for which he has paid, and his class fee will be refunded; but if he retire after that date, his fee will not be refunded, except as stated below.

If a student is compelled to withdraw from college before December 1st through illness or for some other approved reason, one-half of his tuition fees will be refunded. If for like reasons he is compelled to withdraw between that date and February 1st, he will be allowed to take his classes a second time at half rates.

### For Examinations.

*An application for Examination must be accompanied by the proper fee.*

Matriculation examination at an outside centre	\$ 5.00
Each Matriculation examination after second year of attendance	4.00
Each Supplementary examination in Arts or Science	2.00
Each Special Examination in Arts or Science	4.00
Examination for the Degree of B. Mus., First Year	10.00
“ “ “ Second Year	15.00
“ “ “ Third Year	20.00
“ Diploma of L. Mus., First Year	10.00
“ “ “ Second Year	15.00
“ Degree of Phm. B.	10.00
Each Supplementary examination in Music or Pharmacy	5.00
Examination for the degree of M. A. or M. Sc.	10.00
Ditto, at an outside centre	20.00

### For Certificates and Diplomas.

*An application for a Certificate or Diploma must be accompanied by the proper fee.*

Certificate under the University seal	\$ 1.00
B. A. or B. Sc., or B. Com. or L. Mus. or Engineering, diploma	5.00
B. Mus. or Phm. B., diploma	10.00
M. A. or M. Sc., diploma	20.00
<i>Ad eundem gradum</i> diploma	10.00
Additional fee for any degree conferred <i>in absentia</i>	5.00

See Pages 16 for

**Fee for Support of Student Organizations.  
Caution Deposit.  
Laboratory Deposit.**

## COURSES OF INSTRUCTION.

## I. Classics.

Professors.....Howard Murray (*Head of dept.*), E. W. Nichols.  
Associate Professor.....A. K. Griffin.  
Lecturers.....J. W. Falconer, J. W. Logan.

## Latin.

**Elementary Latin.**—Tuesday, Thursday and Saturday, 11—12 a. m., and another hour to be determined after the class is formed.

This class is intended for beginners in the language, and for those whose work has been insufficient to qualify them for admission to Latin 1. Students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in Latin, held in April.

As it will not be possible to cover in class all of the reading required for Matriculation, students intending to qualify for the above examination must do a considerable part of the reading by private work, and must be prepared to devote much more time to the subject outside of class hours than is required in the ordinary undergraduate class.

The first book to be used will be Collar & Daniell's *First Year Latin*, (Ginn & Co., Boston). Other books will be announced at the beginning of the session.

1. Tuesday, Thursday and Saturday, 10—11 a. m. or Monday, Wednesday and Friday, 12-1 p. m.

Pre-requisite.—Matriculation Latin.

Cicero: *Orations against Catiline I and III*. Vergil: *Aeneid*, Book VI. Latin Grammar. Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Cicero: *Selected Orations and Letters*, (Kelsey's, Allyn & Bacon, Boston). Vergil: *Aeneid*, Book VI. (Freeman's, Oxford Univ. Press, Toronto). North & Hillard's *Latin Prose Composition*, (Rivington, London) Allen & Greenough's *New Latin Grammar*, (Ginn & Co., Boston).

2. Monday, Wednesday and Friday, 10-11 or 11—12 a. m.

Pre-requisite.—Latin 1.

Livy: Book I. Horace: *Selected Odes*. \*Vergil: *Aeneid*, Book VII. Latin Grammar, Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Livy: Book I. (Freeman's, Oxford University Press, Toronto). Horace: *Selected Odes*, (Wickham's, Oxford University Press). Vergil: *Aeneid* Book VII, (Calvert's, Macmillan Co., Toronto). Allen & Greenough's *New Latin Grammar*.

3. (1924-25). Tuesday and Thursday, 11—12 a. m.

Pre-requisite.—Latin 2.

Tacitus: *Histories*, Book 1. Horace: *Selected Satires*. \*Tacitus: *Histories*, Book II, Chapters 1-70. Latin Prose Composition. Exercises in Sight Translation.

\*For private reading by students seeking First or Second Class Distinction.

Books Recommended: Tacitus: *Histories*, Books I and II, (Moore's, Macmillan, Toronto). Horace: *Satires and Epistles*, (Rolfe's, Allyn & Bacon, Boston).

4. (1925-26). Tuesday and Thursday, 11—12 a. m.

Pre-requisite.—Latin 2.

Plautus: *Trinummus*. Selections from the works of writers of the Early Empire.

5. (1924-25). Terence: *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II, *Ars Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *Philippic I*, *Pro Cluentio*. Livy: XXI, XXII.

6. (1925-26) Plautus: *Captivi*, *Miles Gloriosus*. Terence: *Adelphi*. Cicero: *Philippic II*, *De Oratore I*. Tacitus: *Annals*, I, II, *Agricola*. Pliny: *Letters*, Books I-III.

In all Latin examinations one or more passages from books not prescribed will be set for translation at sight.

## Greek.

**Elementary Greek.**—Monday and Friday, 10—11 a. m., and Tuesday and Thursday, 2.30—3.30 p. m.

This class is intended for beginners in the language, and also for those who have come to college without sufficient preparation to qualify them for entering Greek 1. The first book used will be White's *First Greek Book*, (Ginn & Co., Boston). Other books will be announced at the beginning of the session.

Students whose work throughout the session has been found satisfactory will be admitted to a Matriculation examination in Greek, held in April. Those intending to qualify for this examination should read the statement made under Elementary Latin which is applicable here also, regarding the additional work required outside of class hours.

1. Tuesday, Thursday and Saturday, 9—10 a. m.

Pre-requisite.—Matriculation Greek.

Xenophon: *Hellenica*, Book II. Plato: *Euthyphro*. Greek Grammar. Greek Prose Composition. Exercises in Sight Translation.

Books recommended: Xenophon: *Hellenica*, Books I, II, (Underhill's, Oxford University Press, Toronto). Plato, *Euthyphro*. (Adam's Cambridge University Press). North & Hillard's *Greek Prose Composition*, (Rivington, London). Goodwin's *Greek Grammar*, (Ginn & Co., Boston).

2. Monday and Wednesday, 9—10 a. m.

Pre-requisite.—Greek 1.

Lucian: *Selected Dialogues*. Homer: *Odyssey*, Book IX and selections from Book XI. \*Lucian: *Timon* (as in Inge & Macnaghten's edition). \*Homer: *Odyssey*, Book XII. Greek Grammar. Greek Prose Composition. Exercises in Sight Translation.

Books recommended: Lucian: *Selections*, (Inge & Macnaghten's, Longmans). Homer: *Odyssey*, Books VII—XII, (Merry's, Oxford University Press, Toronto). North & Hillard's *Greek Prose Composition*, (Rivington, London).

\*For private reading by students seeking First or Second Class Distinction.

3. (1924-25). *Monday and Wednesday, 12—1 p. m.*

Pre-requisite.—Greek 2.  
Demosthenes: *Philippics* I, II, III. Euripides: *Medea*.  
\*Demosthenes: *Olynthiacs* I, II. \*Homer: *Odyssey*, Book I.

Books recommended: Demosthenes: *Philippics*, (Abbott and Matheson's, Oxford University Press, Toronto). *Olynthiacs*, (Glover's, Cambridge University Press). Euripides: *Medea*, (Heberden's, Oxford University Press, Toronto). Homer: *Odyssey*, Book I, (Marchant's, George Bell & Sons, London).

4. (1925-26). *Monday and Wednesday, 12—1 p. m.*

Pre-requisite.—Greek 2.  
Plato: *Apology*. Aristophanes: *Clouds*. \*Plato: *Crito*.  
\*Homer: *Iliad*, Book VI. Greek Prose Composition. Exercises in Sight Translation.

5. (1924-25). Aeschylus: *Eumenides*, *Prometheus Vincit*. Sophocles: *Ajax*. Aristophanes: *Frogs*. Thucydides: II. Plato: *Republic*, I-IV6. (1925-26). Homer: *Odyssey*, V-VIII. Sophocles: *Oedipus Rex*. Aristophanes: *Knights*. Thucydides: III. Demosthenes: *De Corona*. Aristotle: *Poetics*.

In all Greek examinations one or more passages from books not prescribed will be set for translation at sight.

## Archaeology.

*Monday and Wednesday, 3.30—4.30 p. m.*

This course, conducted by Professor J. W. Falconer, consisting of about fifty lectures accompanied with illustrations will give an outline of the history of ancient sculpture, painting, architecture and the minor arts. The introductory lectures will be devoted to Egyptian and Assyrian Archaeology, while the major part of the course will deal with Greek and Roman antiquities.

Text Books: Fowler and Wheeler: *Greek Archaeology*. Wickoff: *Roman Art*. Books Recommended: Fowler and Wheeler: *Oriental Antiquities*. Maspero: *Egyptian Archaeology*. Gardner and Jevons: *Manual of Greek Antiquities*. Anderson and Spiers: *Architecture of Greece and Rome*. W. M. Ramsay: *Studies in the History and Art of the Eastern Roman Provinces*. Baldwin Brown: *The Fine Arts*.

## Introduction to Philology.

*Two hours per week. Hours to be assigned.*

Pre-requisites.—Two years of Latin or Greek, and at least one year of another foreign language.

This course, conducted by Dr. E. W. Nichols, aims to furnish (1) an outline picture of the history of scholarship: (2) an elementary knowledge of the methods, problems and results of philological investigation. The course is conducted by means of lectures and assigned readings. Reading for distinction will be assigned early in the session.

## II. New Testament Greek.

*Tuesday, Wednesday, Friday and Saturday. 12.25 p. m.*

Pre-requisite.—Greek 1.

\*For private reading by students seeking First or Second Class Distinction.

The class and examinations in New Testament Greek conducted by Professor J. W. Falconer, M. A., D. D., in the Presbyterian Theological College, Halifax, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other Theological Colleges approved by the Faculty are also recognized for the same purpose.

The work of the class consists of the interpretation of the Gospels. Lectures are also given on the language of the New Testament, the principles of Textual Criticism, introduction to the Gospels, and problems arising out of the Gospel narratives.

Text Books: Westcott and Hort's, or the Bible Society's new edition of the *New Testament in Greek*. J. H. Moulton: *Introduction to N. T. Greek*. Lake: *The Text of the New Testament*. Matthews: *A History of the New Testament Times in Palestine*.

Books Recommended: Moulton: *Grammar of New Testament Greek*. Sanday: *Outlines of the Life of Jesus Christ*.

## III. Hebrew.

*Tuesday, Thursday, Friday and Saturday, 8.45 a. m.*

The class and examination in Hebrew, conducted by Professor H. A. Kent, M. A., D. D., in the Presbyterian Theological College, Halifax, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other Theological colleges approved by the Faculty are also recognized for the same purpose.

The aim of this class is to enable students to read any of the narrative parts of the Hebrew Scriptures. The first part of the session is devoted entirely to thorough study and practice of the language. After the Christmas vacation two days a week are devoted to grammar and composition and two days to reading of Genesis, Samuel, Kings, or other books.

Text Books: Kittel: *Biblia Hebraica, or Hebrew Bible* issued by B. and F. B. Society. Davidson: *Hebrew Grammar*, 21st Edition, Edited by MacFadyen.

Books Recommended: Fagnani: *Primer of Hebrew*. Gesenius-Kautzsch: *Hebrew Grammar*, (trans. by Collins and Cowley). Brown-Briggs-Driver: *Hebrew Lexicon*.

## IV. Modern Languages.

Professor..... René Gautheron.

Associate Professors..... C. H. Mercer; R. W. Scott.

## French.

1. \**Tuesday, Thursday and Saturday*, Section I, 9-10 a. m., Section II, 10-11 a. m.

Pre-requisite.—Matriculation French.

Buffum: *Contes français*. Corneille: *Le Cid*. *French Newspaper Reader* (Am. Book Co.). Mansion: *Extracts from French Composition*. History of French Literature.

2. *Tuesday, Thursday and Saturday*, Section I, 9-10 a. m., Section II, 10-11 a. m., Section III, *Monday, Wednesday and Friday*, 9-10 a. m.

Pre-requisite.—French 1.

\*The University provides no instruction for beginners in French, but extramural classes will be formed, if a sufficient number of students apply, to provide instruction in French for Matriculation.

Molière: *Le Misanthrope*, (Macmillan & Co.). *Scenes of Travel* (Clarendon Press). Ritchie and Moore: *French Prose*, (Dent & Co.). French Prose Composition. Conversation. Dictation. History of French Literature with special reference to the 18th Century. Additional for distinction. Loti: *Pêcheur d'Islande* (Holt & Co.). Corneille: *Nicomède* (Macmillan & Co.).

3. (1924-25). Tuesday and Thursday, 3.30-4.30 p. m.

Pre-requisite.—French 2.

Des Granges: *Les grands Écrivains français*, (Hachette, Paris.) Advanced French Prose Composition, (Ritchie and Moore). Conversation. Duval: *Histoire de la Littérature Française*, (Heath & Co.). Gazier: *Dictionnaire Français*, (Colin, Paris). Brunot et Bony: *Méthode de Langue française, troisième livre*, (Colin, Paris). Additional for Distinction: Balzac: *Eugénie Grandet*, (Oxford Univ. Press). Rostand: *Cyrano de Bergerac*. Duval: *Littérature Française*, (selected period).

4. (1925-26). Tuesday and Thursday, 3.30-4.30 p. m.

Buffum: *Stories from Balzac*, (Holt & Co.). Schinz & King: *Seventeenth Century French Readings*, (Holt & Co.). Corneille: *Horace*, (Heath & Co.). Advanced French Prose Composition, (Ritchie and Moore). Brunot et Bony: *Méthode de Langue Française, troisième livre*, (Paris, Colin). Conversation. Duval: *Histoire de la Littérature Française*. Additional for Distinction: Cherbuliez: *Le comte Kostia*, (Nelson). Racine: *Phèdre*. Faguet: *Dix-septième siècle*.

10. *Commercial French*, two hours per week. For students looking forward to the degree of Bachelor of Commerce. It cannot be offered as an elective for Arts or Science degrees.

#### German.

**Elementary German.**—Tuesday, Thursday and Saturday 9-10 a. m.

Harris: *German Lessons*, (D. C. Heath & Co.). Huss: *A German Reader*, (Heath & Co.). Hauff: *Das kalte Herz*, (Holt & Co.). Exercises in Grammar and Composition.

This class will not count towards a degree; but students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in German, held in April.

1. Tuesday, Thursday and Saturday, 10-11 a. m.

Pre-requisite.—Matriculation German.

Schiller: *Wilhelm Tell*. Hatfield: *German Lyrics*. Baumbach: *Der Schwiegersohn*, (Holt & Co.). Freytag: *Die Journalisten*. German Syntax (von Jagemann). *Writing and Speaking German*, (Pope). Allen: *German Life*. Exercises in Sight Translation. History of German Literature.

2. Monday and Wednesday, 2.30-3.30 p. m.

Pre-requisite.—German 1.

Nichols: *Modern German Prose*, (Holt & Co.). Freytag: *Soll und Haben*, (Heath & Co.). Heine: *Die Harzreise*, (Ginn & Co.). German Prose Composition. Conversation. Dictation. History of German Literature (selected period).

Additional for Distinction: Kleist: *Michael Kohlhaas*, (Macmillan). Scheffel: *Der Trompeter von Säckingen*.

3. Wednesday, 4.30-5.30 p. m.

Pre-requisite.—German 2.

This class has as its object the critical study of important literary movements. It will be conducted, partly, at least, as a seminar, and members of the class will be required to write reports on books read in private and essays in German at stated intervals.

This class will only be given if a sufficient number of qualified students apply for it.

10. Commercial German, two hours per week. For students looking forward to the degree of Bachelor of Commerce. It cannot be offered as an elective for the Arts or Science degrees.

#### Spanish.

1. Monday, Tuesday, Wednesday, Thursday and Friday, 3.30-4.30 p. m.

Hills and Ford: *First Spanish Course*, (Heath). Wilkins: *Elementary Spanish Reader*, (Holt). Taboada: *Cuentos Alegres*, (Heath). Hills and Reinhardt: *Spanish Short Stories*, (Heath).

This class, covering Matriculation Spanish and a year of College work, will count towards a degree.

2. Tuesday, Thursday and Saturday, 11-12 a. m.

Wilkins: *Second Spanish Book*, (Holt). Luria: *Correspondencia Comercial*, (Silver, Burdett). Morley: *Spanish Humor*, (Ginn).

10. Tuesday and Thursday, 2.30-3.30 p. m.

Luria: *Correspondencia Comercial*, (Silver, Burdett). Camba: *Un año en el otro mundo*, (Madrid). Baroja: *Páginas escogidas*, (Madrid). For Composition in Spanish 3 occasional exercises will be taken from Wilkins: *Second Spanish Book*.

For students looking forward to the degree of Bachelor of Commerce. It cannot be offered as an elective for the Arts or Science degrees.

#### V. Biblical Literature.

Lecturer.....H. A. Kent.

There are two classes in the literature of the Old and New Testaments. Either one, but not both, of these classes may be offered as an elective for a degree in Arts.



1. (1924-25). *Tuesday and Thursday, 4.30-5.30 p. m.*

**Old Testament.** The Hexateuch and Historical Books of the Old Testament and the pre-exilic Prophets. Lectures are given on the relation of Hebrew literature to the literatures of the ancient Orient, the various kinds of writing to be found in the Old Testament, and the structure and contents of the books themselves.

Text Books: Martin: *The Meaning of the Old Testament*. Peake: *The Bible, its Origin, Significance and Abiding Worth*. Relevant articles in Hastings' *Dictionary of the Bible*.

**New Testament.** The Gospels studied as the literary sources for the Teaching of Jesus.

Books Recommended: Burton: *Introduction to the Gospels*. Moffatt: *New Testament*. Goodspeed: *The Story of the New Testament*. Relevant articles in Hastings' *Dictionary of the Bible*.

2. (1925-26). *Tuesday and Thursday, 4.30-5.30 p. m.*

**Old Testament.** The exilic and post-exilic Prophets, the Poetry and Wisdom literature. Lectures are given on the decline of prophecy, the rise of the Wisdom and Apocalyptic literature, and the character of Hebrew poetry.

Text Books: MacFadyen: *Introduction*. Cadbury: *National Ideals in the Old Testament*. Jackson: *Studies in the Old Testament*.

**New Testament.** The Apostolic Age, as portrayed in the books of the New Testament not studied in Course 1.

Books Recommended: Ropes: *The Apostolic Age*. Goodspeed: *The Story of the New Testament*.

## VI. English Language and Literature.

Professors.....Archibald MacMechan, (*Head of dept.*); W.D. MacFarlane.  
Associate Professor.....C. L. Bennet.  
Lecturer.....E. Margaret Lowe.

1. *Monday, Wednesday and Friday, 11-12 a. m.*

Pre-requisite.—Matriculation English.

**Composition.**—Twenty narrative and descriptive themes, based on personal experience and work read in class. The class will be divided into sections each of which will meet the instructor an extra hour weekly for discussion of themes.

**Literature.**—Eighteenth Century. Prose:—Addison: *Papers Contributed to "The Spectator"*. Swift: *Voyage to Lilliput, Voyage to Brobdingnag*. Johnson: *Life of Pope*. Macaulay: *Samuel Johnson*. Poetry:—Dryden: *MacFlecknoe, St. Cecilia's Day, Alexander's Feast*. Pope: *Rape of the Lock*. Gray: *Elegy in a Country Churchyard*. Goldsmith: *Traveller, Deserted Village*. Burns: *Twa Dogs, Cotter's Saturday Night*.

For reference: Gosse: *History of Eighteenth Century Literature*.

**Parallel Reading.**—As a preparation for the course, the student is recommended to read the following works:—Thackeray:

*English Humorists, Congreve and Addison, The History of Henry Esmond* (bk. ii, cap. xi, at least). Macaulay: *The Third Chapter*. Herbert Paul: *Queen Anne*. (Wayfarers Library).

2. *Monday, Wednesday and Friday, 12-1 p. m.*

Pre-requisite.—English 1

**Composition.**Lectures on the Principles of Narration, Description and Exposition. Twenty expository themes, based chiefly upon the work in class. The class will be divided into Sections each of which will meet the instructor an extra hour weekly for discussion of themes.

**Literature.**—Elizabethan. Shakespeare: *Henry V, The Tempest, Hamlet*. Milton: *L'Allegro, Il Penseroso, Lycidas, Comus, Sonnets, Paradise Lost*, Bks. i, ii. Lectures.

**For reference.**—Sidney Lee: *A Life of William Shakespeare*. Dowden: *Shakespeare Primer*. Saintsbury: *History of the Elizabethan Literature*. Sichel: *The Renaissance*.

Candidates for class distinction will be examined in the following plays which are not read in class:—*Richard II, As You Like It, Coriolanus*.

**Parallel Reading.**—As a preparation for this course, the student is recommended to read the following works:—Kingsley: *Westward Ho!* Scott: *Kenilworth*. Hentzner: *Travels in England*. Harrison: *Description of England*, (Scott Library). Bailey: *Milton*.

3. **Middle English and Pre-Shakesperean Literature.**—

(1924-25). *Tuesday and Thursday, 3.30-4.30 p. m.*

Pre-requisite.—English 2.

Chaucer: *Prologue, Knight's Tale, Nun's Priest's Tale* (ed. Skeat). Sweet: *Middle English Primer, II*. Spenser: *Faerie Queene*, bks. i, ii. Marlowe: *Dr. Faustus*. Lectures.

History of Literature. Pollard: *Chaucer Primer*. For reference:—Lounsbury: *Chaucer Studies*. Morley: *English Writers, V*. Legouis: *Chaucer*.

For Distinction:—Chaucer: *The Prioress's Tale, Sir Topas, The Monk's Tale*. The whole volume of Skeat.

4. **Nineteenth Century Literature.**—(1924-25). *Tuesday and Thursday, 4.30-5.30 p. m.*

Pre-requisite.—English 2.

Lectures: The historical and social background, the influence of the French Revolution, the predecessors of Wordsworth.—Cowper, Crabbe, Blake, Burns, Chatterton. Scott: *Old Mortality, Marmion*. Byron: *Poems*, edited by Matthew Arnold. Words-

worth: *Poems*, edited by Dowden. Selected poems of Coleridge, Shelley and Keats.

History of Literature. Saintsbury: *History of Nineteenth Century Literature*. Hereford: *Age of Wordsworth*.

For Distinction: A Thesis on a subject assigned by the instructor.

5. **Nineteenth Century Literature.**—(1925-26). *Tuesday and Thursday*, 4.30-5.30 p. m.

Pre-requisite.—English 2.

Selected poems of Tennyson, (Poems of Tennyson, ed. MacMechan, *Belles Lettres* series). Selections from Browning, (Dent's one vol. ed.) and Arnold. Dickens: *David Copperfield*, (Everyman's Library). Thackeray: *Vanity Fair*, (Everyman's Library). Carlyle: *Sartor Resartus*, ed. MacMechan, (Athenaeum Press Series). Monthly reports:

History of Literature. Saintsbury: *History of Nineteenth Century Literature*. Walker: *The Age of Tennyson*. Chesterton: *Victorian Literature*. Elton: *Survey of English Literature, 1880-1880*.

For Distinction, as in English 4.

6. **Old English.**—*Tuesday and Thursday*, 2.30-3.30 p. m.

Pre-requisite.—German 1.

Bright: *Anglo-Saxon Reader*. Sievers: *O. E. Grammar*, trans. Cook. Sight translation from easy texts.

This course is intended primarily for Honour Students in English, and will be given only if a sufficient number of qualified students apply for it.

7. **Elizabethan Drama.**—

Pre-requisite.—English 2.

Marlowe: *Tamburlaine, Edward II, The Jew of Malta*. Greene: *Friar Bacon and Friar Bungay*. Jonson: *The Alchemist, Every Man in His Humour*. Beaumont and Fletcher: *Philaster, The Knight of the Burning Pestle*. Massinger: *A New Way to Pay Old Debts*. Webster: *The Duchess of Malfi*. Shakespere: *The Tragedies, Two Noble Kinsmen*.

This course, conducted as a Seminar, is intended primarily for Honour Students in English. It will only be given if a sufficient number of qualified students apply for it.

8. **Literary Movements in Canada.**—(1924-25). *Tuesday and Thursday*, 3.30-4.30.

Pre-requisite.—English 2.

MacMechan: *Head-Waters of Canadian Literature*. Broadus: *A Book of Canadian Prose and Verse*. Fournier: *Anthologie des Poètes Canadiens*.

Distinction: Thesis on the work of a Canadian author.

Note: A reading knowledge of French will be an advantage to students taking this course.

9. **Modern Drama and Poetry.**—(1924-25). *Tuesday and Thursday*, 2.30-3.30 p. m.

Pre-requisite.—English 2.

This class is intended primarily for Honours students, but a limited number of other qualified students may be admitted.

10. **Advanced English Composition.**

Pre-requisite.—English 2.

Only a limited number of specially qualified students will be admitted to this class. Laboratory methods will be used. There will be daily composition with criticism and revision.

Text Book: Manly and Rickert: *The Writing of English*.

## VII. History.

Associate Professor (Head of Dept).....G. E. Wilson.  
Professor.....A. Stanley Walker

### History.

1. **History of Europe Since the Fall of the Roman Empire.**—*Monday, Wednesday and Friday*, 9-10 a. m. or 10-11 a. m.

Pre-requisite.—Matriculation History.

Given annually. Required of all students taking the ordinary Arts course.

Text Books: Robinson: *History of Western Europe*. Assigned readings. Suggested Reading: Munro and Sellery: *Medieval Civilization*. Emerton: *Introduction to the Middle Ages, Medieval Europe*. Bryce: *Holy Roman Empire*. Day: *History of Commerce*. Abbott: *The Expansion of Europe*. Hazen: *Modern European History*.

2. **Ancient History.**—(1925-26, and in alternate years).—*Monday, Wednesday and Friday*, 10-11 a. m.

Pre-requisite.—History 1.

Text Books: Plutarch: *Selected Lives*. Dickinson: *The Greek View of Life*. Pelham: *Outlines of Roman History*. Suggested Reading: Bury: *History of Greece*. Zimmern: *Greek Commonwealth*. Herodotus: *Thucydides*. Mommsen: *History of Rome*. Heitland: *History of the Roman Republic*. Abbott: *Roman Political Institutions*. Greenidge: *Roman Public Life*. Dill: *Roman Society from Nero to Marcus Aurelius*. Mackail: *Latin Literature*.

3. **Modern England.**—(1924-25, and in alternate years).—*Monday, Wednesday and Friday*, 10-11 a. m.

Text Books: Cross: *History of England*. Assigned readings. Suggested Readings: Fisher: *England under the Tudors*. Trevelyan: *England under the Stuarts*. Firth: *Oliver Cromwell*. Macaulay: *History of England*. Lecky: *History of England in the Eighteenth Century*. Walpole: *England since 1815*. Seeley: *The Expansion of England*.

**4. History of Europe since 1815.**—(1924-25, and in alternate years).—Tuesday and Thursday, 11-12 a. m.

Pre-requisite.—Two classes in History.

This class will be conducted partly by the seminar method, no text book being set, but readings will be assigned on various topics. Some knowledge of the bibliography of the period will be required.

Suggested Reading: Hazen: *Modern European History*. Hayes: *Political and Social History of Modern Europe*. Thayer: *The Life and Times of Cavour*. Trevelyan: *Garibaldi and the Thousand*. Garibaldi: *and the Making of Italy*. Fisher: *Bonapartism*. Headlam: *Bismarck*. Dawson: *The Evolution of Modern Germany*. Seymour: *Diplomatic Background of the War*.

**5. History of Europe, 1715-1815.** (1925-26, and in alternate years).—Tuesday and Thursday, 11-12 a. m.

Pre-requisite.—Two classes in History.

This class will be conducted like History 4, readings being assigned on selected topics. The chief subjects for study will be the French Revolution and the career of Napoleon.

Suggested Reading: Macaulay: *Essay on Frederick the Great*. Mahan: *The Influence of Sea Power upon History*. Lowell: *The Eve of the French Revolution*. Morley: *Voltaire*. Tocqueville: *The Old Regime*. Taine: *The French Revolution*. Carlyle: *The French Revolution*. Aulard: *The French Revolution*. Rose: *Life of Napoleon*. Rosebery: *The Last Phase*.

**6. England under the Tudors.** (1925-26, and in alternate years).

Pre-requisite.—Two classes in History.

**7. The Fourteenth Century.**—(1924-25, and in alternate years).—Monday and Wednesday, 2.30-3.30 p. m.

Pre-requisite.—Two classes in History.

Suggested Reading: Poole and Hunt: *Political History of England, Vols. III and IV*. Lodge: *Close of the Middle Ages*. Jusserand: *English Wayfaring Life in the Middle Ages*. Cunningham: *Growth of English Industry and Commerce, Vol. I*. Traill: *Social England, Vol. II*. Froissart's *Chronicle*.

**8. History of Canada to 1837.**—(1925-26, and in alternate years).—Tuesday and Thursday, 10-11 a. m.

Pre-requisite.—History 1.

Suggested Reading: Parkman: *Works*. Munro: *The Seigniorial System in Canada*. Garneau: *Histoire du Canada*. Durham: *Report. Canada and its Provinces*.

**9. History of Canada Since 1837.**—(1924-25, and in alternate years).—Tuesday and Thursday, 10-11 a. m.

Pre-requisite.—History 1.

Suggested Reading: Dent: *Canada since the Union of 1841*. Turcotte: *Le Canada Sous L'Union*. Bryce: *Remarkable History of the Hudson Bay Co*. Skelton: *Life and Times of A. T. Galt*, *Life and Letters of Sir Wilfrid Laurier*. Pope: *Sir John Macdonald*. Preston: *Life and Times of Lord Strathcona*. Cartwright: *Reminiscences*. Siegfried: *The Race Question in Canada*. Moore: *The Clash. Canada and its Provinces*.

### VIII. Economics.

Professor.....  
Assistant Professor..... W. Russell Maxwell.

**1. Principles of Economics.**—Monday, Wednesday and Friday, 11-12 a. m. or 12-1 p. m.

Text Book: Ely: *Outlines of Economics*.

Books Recommended: Marshall: *Principles of Economics*. Taussig: *Principles of Economics*. Carner: *The Distribution of Wealth*. Clay: *Economics for the General Reader*.

**2. Modern Economic History.**—(1924-25). Tuesday and Thursday, 3.30-4.30 p. m.

Pre-requisite.—Economics 1.

Text Books: Ogg: *Economic Development of Modern Europe*. Bogart: *Economic History of the United States*.

Books Recommended: Cunningham: *Growth of English Industry and Commerce. Canada and its Provinces*, Selected Portions. Toynbee: *Industrial Revolution*.

**3. Money and Banking.**—(1924-25) Monday and Wednesday, 3.30-4.30 p. m.

Pre-requisite.—Economics 1.

Text Books: Withers: *The Meaning of Money*. Dunbar: *The Theory and History of Banking*.

Books Recommended: Conant: *History of Modern Banks of Issue*. Johnson: *Money and Currency*. Fisher: *The Purchasing Power of Money*. Bagehot: *Lombard Street*. Johnson: *Canadian Banking System*. Walker: *Money*. Scott: *Money and Banking*.

**4. Trade Unions and Trusts.**—(1924-25). Tuesday and Thursday, 10-11 a. m.

Text Books: Webb: *Industrial Democracy*. Webb: *History of Trade Unionism*. Jenks and Clark: *The Trust Problem*.

Books Recommended: Cole: *The World of Labour*. Cole: *Self Government in Industry*. MacGregor: *Industrial Combination*.

**5. Taxation and Public Finance.**—(1925-26).

Pre-requisite.—Economics 1.

Text Books: Bastable: *Public Finance*.  
Books Recommended: Seligman: *Essays in Taxation*. Plehn: *Introduction to Public Finance*. Stamp: *The Principles of Taxation*.

**6. Statistics.**

Pre-requisite.—Economics I, Matriculation Mathematics.

Text Book: W. O. King: *Elements of Statistical Method*.

Books Recommended: Yule: *Introduction to the Theory of Statistics*. Bowley: *Elements of Statistics*. Secrist: *Introduction of Statistical Methods*. Fisher: *Index Numbers*. Mitchell: *Index Numbers of Wholesale Prices in the United States and Foreign Countries*.

**7. History of Economics.**

This course will only be given to advanced students who apply for it in sufficient numbers. It aims to trace the development of economic doctrine from the earliest times up to the present.

Books Recommended: Gide and Rist: *History of Economic doctrine*. Ingram: *History of Political Economy*.

**IX. Government and Political Science.**

Professor..... Henry F. Munro

**1. Government of the British Commonwealth.—Monday, Wednesday and Friday, 3.30-4.30 p. m.**

Introductory lectures on general political concepts. Federal, provincial and municipal institutions of Canada. Merits and defects of existing systems. Problems and tendencies of the Canadian democracy. Brief survey of other British governments. Mandated territories. Imperial Conferences. Inter-imperial relations. International status of the British Commonwealth. General deductions regarding British democracies.

Reading: Selections prescribed from time to time from the works of Anson, Bryce, Dicey, Keith, Lowell and other commentators on British government. Considerable class use will be made of Jenks' *A History of Politics* and Kennedy's *Documents of the Canadian Constitution*.

A previous course in History or Economics is recommended before taking up the study of Government.

**2. General Political Science.—(1925-26). Monday, Wednesday and Friday.**

Scope, methods and fundamental concepts of political science. Origin and nature of the state. Purposes, functions and instruments of government. Unitary and federal states. Rigid and flexible constitutions. Distribution and separation of powers. The bicameral system. Government and popular control. Political parties. Recent experiments in government.

Text Book: Sidgwick: *The Elements of Politics*. Collateral reading from the works of Seeley, Bryce, Bluntschli, Wilson, Willoughby and other writers on political science.

**3. Political Theory.—(1925-26). Tuesday and Thursday, 3-30-4-30 p. m.**

Pre-requisite.—Government 1.

Theories of the state and of government from Plato and Aristotle to Bolshevism.

Text Book: Dunning: *Political Theories*. Collateral reading from the works of representative political thinkers.

**4. Sociology.—(1924-25). Tuesday and Thursday, 3-30-4.30 p. m.**  
Social Theory. Methods and problems of sociology. Elements and structure of society. Historical evolution of society. Laws of social phenomena.

Text Book: Giddings: *The Principles of Sociology*. Collateral reading from selected publications on sociology.

**5. Constitutional History.—Monday, Wednesday and Friday, 2.30-3.30 p. m.**

Anglo-Saxon institutions. Feudalism in England. The *Magnum Concilium* and the *Concilium Ordinarium*. Origin and growth of the Two Houses of Parliament. Origin and Development of Trial by Jury. Origin and Development of the Courts of Law. The Royal Prerogative. The Liberty of the Person. Origin and Development of the Cabinet System. History of the Reform Bills. The Written Code of the Constitution. *Magna Charta*. Petition of Right. Bill of Rights. *Habeas Corpus*. Act of Settlement. Recent Constitutional Changes.

Text Book: Taswell-Langmead: *Constitutional History of England*, with collateral reading from the works of Maitland, McKelvie, McIlwain, Adams and others.

**6. International Law.—Tuesday and Thursday, 2.30-3.30 p. m.**

Pre-requisite.—Government 1, or Constitutional History or History of English Law.

The relations of states with each other in peace, war and neutrality, through the study of actual cases. No previous knowledge of law required.

Case Book: Stowell and Munro's *International Cases*, Vols. I & II with some approved text book as parallel reading.

**X. Law.**

Certain classes conducted by the Faculty of Law in the first year of the curriculum, and the examinations conducted in these subjects by that Faculty, are recognized as qualifying for a degree in Arts when offered by a student taking the affiliated course in Law

**XI. Philosophy.**

Professor..... H. L. Stewart, (*Head of Dept.*), N. J. Symons.

**1. Logic and Psychology.—Monday, Wednesday and Friday, 2.30-3.30 p. m.**

Text Books: Logic: Creighton: *Introductory Logic*. Psychology: Pillsbury *Essentials of Psychology*.

2. **History of Greek Philosophy.**—(1925-26). *Monday and Wednesday, 3.30-4.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Books: Plato: *Republic, Phaedo, Apology, Theaetetus*. Rogers: *Student's History of Philosophy*. Taylor: *Aristotle on his Predecessors*.

3. **Ethics.**—(1925-26). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Books: Plato: *Republic, I-IV*. Butler: *Sermons*. Mackenzie: *Manual of Ethics*. Mill: *Utilitarianism*. Sidgwick: *History of Ethics*. Reference will also be made to Rashdall: *The Theory of Good and Evil*, and to Moore: *Principia Ethica*.

4. **History of Moral Ideas.**—(1924-25). *Monday and Wednesday, 3.30-4.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Book: Lecky: *History of European Morals*. Reference will frequently be made to Westermarck: *Origin and Development of the Moral Ideas*.

5. **Metaphysics.**—(1924-25). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Taylor: *Elements of Metaphysics*.

6. **History of Philosophy from Bacon.**—(1924-25). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Books: Bacon: *Novum Organum*. Locke: *Essay on the Human Understanding*. Berkeley: *Dialogues*. Hoffding: *History of Philosophy*.

7. **British Philosophy in the Nineteenth Century.**—(1925-26). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Merz: *Philosophy of the Nineteenth Century*.

8. **Philosophic Ideas in Literature.**—(1924-25). *Monday and Wednesday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

The course will include a study of philosophic ideas in Tolstoy, Hardy, Anatole France, H. G. Wells, Ibsen, Morley, Frederic Harrison, Mrs. Humphry Ward, Rabindranath Tagore, Wilfrid Ward, George Meredith.

#### Psychology and Education.

Professor ..... N. J. Symons.

9. **Experimental Psychology.**—(1924-25). *Monday and Wednesday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Langfeld and Allport: *Elementary Laboratory Course in Psychology*.

Simple apparatus will be used with a view to furnishing an experimental approach to the study of sensation, attention, the

learning process and other aspects of the functioning of the organism. The class is intended primarily for those interested in acquiring a knowledge of experimental technique and methods.

10. **The Psychology of the Instincts and Emotions.**—(1925-26). *Monday and Wednesday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Books: McDougall: *Social Psychology*. Drever: *Instinct in Man*.

11. **Educational Psychology.**—(1924-25). *Tuesday and Thursday, 4.30-5.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Book: Colvin: *The Learning Process*. Additional references for reading will be given in class. The course is designed to bring into prominence such aspects of theoretical and experimental psychology as have a bearing on the teacher's vocation. Reference will also be made to class room management and to intelligence tests.

12. **History of Education.**—(1924-25). *Monday and Wednesday, 4.30-5.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Books: Cubberley: *History of Education*. Readings in *History of Education*.

The course is designed for those entering the teaching profession and gives a broad account of the doctrines of the great educators from Plato down to the present time.

13. **Dynamic Psychology.**—(1925-26).

Pre-requisite.—Philosophy 1.

Text Books: Tansley: *The New Psychology and its Relation to Life*. McDougall: *An Outline of Abnormal Psychology*.

A review of recent findings in the fields of abnormal psychology and psychopathology in so far as these have a bearing upon the working of the normal mind.

## XII. Mathematics.

Professor ..... Murray Macneill.  
Assistant Professor ..... F. H. Murray.

1. **Elementary Mathematical Analysis.**—*Monday, Wednesday and Friday, 10-11 a. m.; or, Tuesday, Thursday and Saturday, 11-12 a. m.*

Pre-requisite.—Matriculation Algebra and Geometry.

For those who have not studied Trigonometry, Mathematics 1C is recommended.

Logarithms, Interest and Annuities, Probability, Indeterminate Equations, Binomial Theorem, Graphs, Partial Fractions,

Complex Numbers, Theory of Equations, Solution of plane triangles, Trigonometric Equations and Identities, Proportional Geometry.

**1C. Methods of Calculation.**—Monday, Wednesday and Friday, 10-11 a. m.

Pre-requisite.—Matriculation Algebra and Geometry.

Formulas and the principles on which they are based, Logarithms. The Compound Interest Law. Progressions, Annuities, Amortization of Bonds, Indeterminate Equations, Permutations and Combinations, Probability, Approximations and Percentages of Error, Infinite Series, Graphical Representation of Statistics.

The class is primarily intended for Commerce students, but may be taken as the required class in Mathematics by those who do not intend to take Mathematics 2.

**2. Analytic Geometry.**—Tuesday and Thursday, 11-12 a. m.

Pre-requisite.—Mathematics 1, which may, however, be taken at the same time.

Text Book: Smith and Gale: *New Analytic Geometry*.

**3. Infinitesimal Calculus.**—Monday, Wednesday and Friday, 11-12 a. m.

Pre-requisite.—Mathematics 1 and 2.

Text Book: Granville: *Differential and Integral Calculus*.

**4. Solid Geometry and Spherical Trigonometry. Analytic Geometry of three dimensions.**—Tuesday and Thursday, 10-11 a. m.

Pre-requisite.—Mathematics 1 and 2. The latter may be taken at the same time.

**Advanced Classes.**

The courses in these classes are intended for those who wish to take mathematical work in the third or the fourth year in the ordinary course in Arts or Science. They are also intended to serve as courses introductory to the study of higher mathematics for those who may afterwards attend the graduate schools in the larger universities. Candidates for Honours in Mathematics are required to take four of these courses in class. Each class meets weekly throughout the year. Mathematics 3 and 4 are pre-requisite.

**5. Advanced Calculus.**—Topics in the treatises of Todhunter, Williamson, Harnack, Lamb and Gibson.

**6. Plane and Solid Analytical Geometry.**—Based on the treatises of Salmon and C. Smith.

**7. Differential Equations.**—Murray's *Differential Equations*, with supplementary lectures.

**8. Algebra.**—Topics in Determinants, Theory of Equations, Quantics, Invariants, with lectures on Series and Functions of a real variable.

**9. Projective Geometry.**

**XIII. Physics.**

Professors... H. L. Bronson, (*Head of dept.*), J. H. L. Johnstone.  
Instructor... Merle P. Colpitt.  
MacGregor Fellow... Carl Kenty.

**1. General Physics.**—Lectures: Monday, Wednesday and Friday, 10-11 a. m. Laboratory: Two hours per week.

Pre-requisite.—Matriculation Mathematics and Physics.

The whole subject of Experimental Physics is taken up, the subjects treated being: Kinematics, Dynamics, Properties of Matter, Sound, Heat, Electricity and Magnetism, Light and other forms of Radiation. The lectures are illustrated by experiments and special attention is paid to the solution of problems, all students being required to hand in papers for correction and criticism.

Two hours a week are devoted to laboratory work. The laboratory class is divided into three sections which meet on Monday and Wednesday 11 a. m.—1 p. m., and Friday 2.30—5.30 p. m. The experiments selected for the course are designed to acquaint the student with the methods and instruments used in physical measurement. They will also assist him in grasping that part of the subject which is taught in the lectures.

Text Book: Kimball: *College Physics*.

**20. Light, Sound and Electricity.**—Lectures: Monday and Wednesday, 9-10 a. m. Laboratory: Tuesday or Thursday, 9-12, a. m.

Pre-requisite.—Physics 1.

This course is primarily intended for second year students in Medicine and Dentistry and special attention will be given to those parts of the subject of especial interest to them. It may be elected by any students who are properly qualified.

**2. Mechanics, Hydrostatics, Heat, Light and Sound.**—Lectures: Monday, Wednesday and Friday, 12-1 p. m. Laboratory: Wednesday, 2.30-5.30 p. m., but other hours may be arranged.

Pre-requisite.—Mathematics 1; but it may, however, be taken at the same time.

Text Books: Franklin and MacNutt; *Mechanics; Heat; Light and Sound*.

**3. Electricity and Magnetism.**—Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Monday, 2.30-5.30 p. m.

Pre-requisite.—Physics 2 and Mathematics 1.

Physics 2 and 3 are intended primarily for Engineering students, and for students desiring to take Honours in Mathematics or Physics. They are also recommended for students in Arts and Science who are interested in the subject and desire a more thorough grasp of it than can be obtained from Physics 1.

Text Books: Hutchinson: *Intermediate Magnetism and Electricity*. Kimball: *College Physics*.

#### 4. Thermodynamics.—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 2.

Books Recommended: Lewis and Randall: *Thermodynamics*. Planck: *Thermodynamics*.

#### 5. Light.—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 2.

Books Recommended: Schuster: *Theory of Optics*; Wood: *Physical Optics*.

#### 6. Electricity and Magnetism.—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 3.

Books Recommended: Hutchinson: *Advanced Text Book of Electricity and Magnetism*; Thomson: *Elements of the Mathematical Theory of Electricity and Magnetism*; Franklin and Williamson: *Alternating Currents*.

#### 10. Elementary Practical.—Six hours per week.

Pre-requisite.—Physics 1, or its equivalent.

This course is a continuation of the experimental work of Physics 1, but is somewhat more difficult and in it more attention is paid to experimental methods. It is intended for Honour students in Chemistry and for those who desire a larger acquaintance with the experimental side of Physics than is to be obtained in Physics 1.

#### 11. Advanced Practical.—Six hours per week.

Pre-requisite.—Physics 2 and 3.

The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 2 and 3, and a greater degree of precision will be expected in the determinations made.

#### 12. Research Course.—At least ten hours per week.

The work will consist of new investigations conducted by students who show sufficient ability and are otherwise qualified to undertake it

Physics Seminar and Journal Club.—Wednesday, 5 p. m.

Lectures on recent developments in Physics; presentation of papers by advanced students; reviews of current journals. All Honour and Graduate students are expected to attend.

### Mathematical Physics.

Professor.....G. H. Henderson

#### 14. Mechanics.—(1924-25).

Pre-requisite.—Mathematics 3 and Physics 2.

A general course in statics and dynamics applied to particles and rigid bodies.

#### 15. Advanced Mechanics.

Pre-requisite Physics 14 and Mathematics 7.

A continuation of the previous course.

#### 16. Introduction to Mathematical Physics.—(1924-25).

Pre-requisite.—Mathematics 3 and Physics 6.

Vector analysis with application to physical problems; Fourier analysis and heat conduction; Theory of Errors; Dimensional analysis.

#### 17. Passage of Electricity through Gases; Radio-activity; Atomic Structure and Radiation.

Pre-requisite.—Mathematics 3 and Physics 6.

#### 18. Quantum Theory and Relativity.

Pre-requisite.—Mathematics 7, Physics 4 and 14.

#### 19. Advanced Electricity and Magnetism.

Pre-requisite.—Mathematics 7 and Physics 16.

Electrodynamics of the electron, electromagnetic radiation, electromagnetic theory of light. Solution of problems involving spherical and zonal harmonics, conjugate functions and Bessel's functions.

### XIV. Chemistry.

Research Professor, (Head of Dept.).....D. McIntosh.  
Professor.....C. B. Nickerson.  
Assistant Professor.....H. S. King.  
Instructor.....E. W. Todd.  
Assistant.....Miss M. F. McCurdy.

#### 1. General Chemistry.—Lectures: Monday, Wednesday and Friday, 9-10 a. m. Laboratory: Monday, 2.30-5.30 p. m.

Pre-requisites.—Matriculation Algebra, Chemistry, and English.

Phenomena leading to the fundamental laws of combination are first presented, as far as possible in historical order, and thereafter, the atomic theory, Avogadro's hypothesis, and the forma-

tion of equations. The chief non-metallic elements are then studied somewhat in detail, and the more important metals more briefly. The elements of Physical and Organic Chemistry are also introduced. Written class exercises are held weekly.

Books Recommended: McPherson and Henderson: *A Course in General Chemistry, Second Edition*. Smith and Kendall; *College Chemistry*. For occasional reading, Lassar-Cohn: *Chemistry in Daily Life*. Alembic Club Reprints. Bird: *Modern Science Reader*.

**1C. Pharmaceutical Chemistry.**—Monday and Wednesday, 12-1 p. m. Three hours laboratory.

A general course in Elementary Chemistry. This course is intended for students of Pharmacy and cannot be offered for a degree in Arts and Science.

**2. Advanced Inorganic Chemistry and Qualitative Analysis.**—Lecture: Saturday, 9-10 a. m. Laboratory: Tuesday and Thursday, 2.30-5.00 p. m.

Pre-requisite.—Chemistry 1 or 1A.

Lectures: The theory and application of such subjects as ionization, the mass law and electropotentials are discussed. The metals and their compounds are studied and several lectures are devoted to the more recent theories of atomic and molecular structure.

Laboratory: The detection of the more common basic and acid ions and the analysis of unknown mixtures and commercial products. The preparation of certain inorganic compounds of theoretical interest.

This course is especially intended for students who contemplate further work in Chemistry or Physics and is not offered to students who are registered in Medicine or Dentistry.

Books Recommended: McPherson and Henderson: *A Course in General Chemistry*. Smith and Kendall: *Inorganic Chemistry*. Talbot and Blanchard: *Electrolytic Dissociation Theory*. Noyes: *Qualitative Chemical Analysis*.

**4. Organic Chemistry.**—Lectures; Monday and Wednesday, 10-11 a. m. Laboratory: Saturday, 10-1 p. m.

Pre-requisite.—Chemistry 1 or 1A.

Lectures: A study of the compounds of carbon. Until Christmas, the lectures will deal with methane and ethane and their simple derivatives.

Laboratory: Qualitative analysis of organic compounds. The laboratory methods of organic chemistry. The preparation and examination of the properties of typical aliphatic and aromatic compounds.

Books Recommended: Remsen and Orndorff: *Organic Chemistry*. Perkin and Kipping: *Organic Chemistry*.

**Advanced Classes.**

These classes are especially intended for candidates for Honours in Chemistry; but any student who has passed in Chemistry 2 and 4 with Distinction may be admitted. Of these classes, Chemistry 5 and Chemistry 8 are given in alternate years.

**5. History of Chemical Theory.**—(1925-26). *Twice a week.*  
The development of chemical theory from the time of Boyle.

Books Recommended: Armitage: *History of Chemistry*. Roscoe: *Dalton and the Rise of Modern Chemistry*. Shenstone: *Justus von Liebig*. Thorpe: *Essays on Historical Chemistry*. Schorlemmer: *Rise and Progress of Organic Chemistry*. Stewart: *Recent Advances in Organic Chemistry*. Lachman: *Spirit of Organic Chemistry*. *Selected Memoirs from the Alembic Club Reprints* and Ostwald's *Klassiker*. For Reference: Von Meyer: *History of Chemistry*.

**6. Physical Chemistry.**—Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Saturday, 9-10, and three additional hours.

Pre-requisite.—Chemistry 2.

General Physical Chemistry including the constitution of matter and compounds; the chemistry of the radio-active elements, the kinetic theory of gases; the theories of solution and of electrolytic dissociation. Laboratory.—Four hours per week.

Books Recommended: Walker: *An Introduction to Physical Chemistry*. Findlay: *Practical Physical Chemistry*. Ostwald: *Principles of Inorganic Chemistry and Outlines of General Chemistry*. Washburn: *Physical Chemistry*.

**7. Quantitative Analysis.**—Lecture: Wednesday, 9-10 a. m.

Pre-requisite; Chemistry 2.

Lectures on the general principles of quantitative analysis, and nine hours of laboratory work each week.

Text Book: Talbot: *Elementary Quantitative Analysis*.

**8. Modern Theories of Chemistry.** *Two lectures a week during the Fall Term.* (b) **Electrochemistry.**—*Two lectures a week during the second term.* ((1924-25).

Pre-requisite; Chemistry 2 and 4.

Books Recommended: Lewis: *Valency*. Thompson: *The Electron in Chemistry*. Aston: *Isotopes*. Bragg: *X-Ray Spectroscopy*. LeBlanc: *Electrochemistry*. Thomson: *Applied electro-chemistry*. Stansfield: *The Electric Furnace*.

**9. Advanced Quantitative Analysis.**—*One lecture and 9 hours laboratory work per week.*

Pre-requisite —Chemistry 4 and 7.

Students may take one of the following courses:

(a) Advanced Inorganic Analysis. Special methods including gas analysis.



## (b) Food and Drug Analysis.

Books Recommended: Fay: *An Advanced Course in Quantitative Analysis*. Blair: *The Chemical Analysis of Iron and Steel*. Ibbotson: *Steel Works Material*. Demorest: *Quantitative Analysis*. Washington: *The Analysis of Silicate Rocks*. Woodman: *Food Analysis*. *Bulletins of the U. S. Department of Agriculture*.

10. **Advanced Organic Chemistry.**—One lecture and nine hours laboratory per week.

Pre-requisite.—Chemistry 4.

Books Recommended: Holleman: *Organic Chemistry*. Cohen: *Organic Chemistry*.

11. **Research.**—The work of this class will consist of original investigation conducted by students who have shown themselves qualified to undertake it.**XV. Geology and Mineralogy.**

Assistant Professor.....D. S. McIntosh.

1. **General Geology.**—Lectures: Monday, Wednesday and Friday, 10-11 a. m. Excursions and Laboratory: Friday afternoons.

Pre-requisite.—Matriculation Chemistry.

The lectures will consist of a general survey of the whole field of Geology. A large part of the time will be devoted to Dynamical and Structural Geology. Historical Geology will deal mainly with the North American Continent, tracing its development, and that of life upon it, from early times to the present day.

During the early part of the First Term excursions will be made to points of interest around Halifax on Friday afternoons. This will be succeeded by laboratory work of three hours on these afternoons during the rest of the session.

This course is elective for candidates in Arts and Science.

It is also the course for candidates in engineering who require Geology as one of their subjects.

Text Books: Scott: *An Introduction to Geology*.  
Reference Books: Chamberlain and Salisbury: *Geology*. Geikie: *Geology*. Pirsson and Schuchert: *Text Book of Geology*. Young and Brock: *Geology and Economic Minerals of Canada*.

2. **Canadian Geology.**—Lectures: Tuesday and Thursday, 10-11 a. m. Laboratory: Two hours per week.

Pre-requisite.—Geology 1.

This course deals with the Geology of Canada—physical, historical and economic.

Reference Books: Coleman and Parks: *Elementary Geology*. Young and Brock: *Geology and Economic Minerals of Canada*. C. G. S. Reports.

3. **Mineralogy and Petrography.**—(1924-25). Lectures: Two hours per week. Laboratory: One afternoon per week, chiefly *microscopical*.

Pre-requisites.—Chemistry 1 and Geology 1 (the latter, however, may be taken in the same year).

This course will embrace crystallography, the rock-forming minerals, and the classification and description of rocks.

Reference Books: W. S. Bayley: *Elementary Crystallography*. Pirsson: *Rocks and Rock Minerals*. Harker: *Petrology for Students*.

4. **Mineralogy and Economic Geology.**—(1925-26). Lectures: Two hours per week. Laboratory: Three hours per week.

Pre-requisites—As in Geology 3.

The mineralogy of this course will supplement that of Geology 3 by a description and determination of minerals by their physical properties and systematic blow-pipe analysis. The nature, mode of occurrence and distribution of the economic minerals will also be dealt with.

Reference Books: Dana: *A Text Book of Mineralogy*. Brush and Penfield: *Determinative Mineralogy and Blow-pipe Analysis*. Lindgren: *Mineral Deposits*. Kemp: *Ore Deposits of the United States and Canada*.

10. **Economic Geography.**—Tuesday, Thursday and Saturday, 11-12 a. m.

Erosion and the development of land forms; shoreline and harbours; the factors that influence climate; regional vegetation; natural resources; the human factor; transportation; trade routes; density of population.

Text Books: T. C. Hopkins: *Elements of Physical Geography*. J. Russell Smith: *Commerce and Industry*.  
Reference Book: Gregory, Kellar and Bishop: *Physical and Commercial Geography*.

**Advanced Courses.**

One at least of these courses will be given each year, if there is sufficient demand.

5. **Palaeontology.**—Class and laboratory Work one afternoon per week.

Pre-requisite.—Geology 1; Biology 2 and 3.

Typical fossils of the various formations will be studied.

Reference Book: Zittel: *Text Book of Palaeontology*.

6. **Practical Geology.**—One lecture per week, with field work during the open season.

Pre-requisite.—Geology 1.

This course will deal with problems in structural geology, with geological and magnetic surveys.

7. **Geological Chemistry.**—Lecture, one hour per week. Laboratory, six hours per week.

Pre-requisites.—Geology 3 and 4, Chemistry 7.

The lectures will embrace the application of chemistry to geological problems. The laboratory course will deal with mineral and rock analysis.

## XVI. Biology.

Associate Professors . . . J. N. Gowanloch (*Head of dept.*), H. P. Bell

1. **General Biology.**—Lectures: Tuesday and Thursday, 2.30-3.30 p. m. Laboratory: Tuesday and Thursday, 3.30-5.50 p. m.

The aim of this course is to acquaint the student with some of the more important biological facts and theories and results of biological work; also to serve as an introduction to biological methods. It includes a general survey of the plant and animal kingdoms and the discussion of topics of fundamental biological importance, e.g., protoplasm, cell and cell structure, reproduction, inheritance, variation, adaptations, evolution, etc.

Students looking forward to the study of Medicine or Dentistry should take Biology 1A, or Biology 1 and 2, or Biology 1 and 4, as Biology 1 alone will not be accepted in lieu of the requirements in Biology in those Faculties.

- 1C. **Pharmaceutical Botany and Pharmacognosy.**—Two lectures per week; four hours laboratory.

A general course in Elementary Botany. This course is intended for students of Pharmacy, and cannot be offered for a degree in Arts and Science.

2. **Invertebrate Zoology.**—(1925-26) Lectures: Wednesday and Friday, 9-10 a. m. Laboratory: Wednesday and Friday, 10-12 a. m.

Pre-requisite.—Biology 1 or 1A.

This course includes a study of the ecology and morphology of representative invertebrate species. A number of field trips will be held during the fall term.

3. **Cryptogamic Botany.**—(1925-26). Lectures: Monday and Wednesday, 2.30-3.30 p. m. Laboratory: Monday and Wednesday, 3.30-5.30 p. m.

Pre-requisite.—Biology 1 or 1A.

An introductory course in the morphology, taxonomy and biology of the algae, slime moulds, fungi, liverworts, mosses, ferns and fern allies.

4. **Vertebrate Zoology.**—(1924-25). Lectures: Wednesday and Friday, 9-10 a. m. Laboratory: Wednesday and Friday, 10 a. m.-1 p. m.

Pre-requisite.—Biology 1 or 1A.

This course includes a careful dissection of representative vertebrates to illustrate the classification and comparative morphology of the various organ systems. Particular emphasis is laid on the dissection of a mammalian type.

5. **Phanerogamic Botany.**—(1924-25). Lectures: Monday and Wednesday, 2.30-3.30 p. m. Laboratory: Monday and Wednesday, 3.30-5.50 p. m.

Pre-requisite.—Biology 1 or 1A.

An introductory course in the morphology, taxonomy and biology of the conifers, conifer allies and flowering plants. This course is adapted to the needs of those who intend to teach botany in the public schools.

6. **Heredity, Variation and Evolution.**—Lectures: Three hours per week.

This course includes a study of the work of the pioneers in these phases of biological science with special emphasis on the most recent work in this field.

Before a student is admitted to this course permission must be received from the head of the department.

7. **Mycology.**—Lectures: Two hours per week. Laboratory: Four hours per week.

Pre-requisite.—Biology 3.

A course on the fungi. Special attention is given to those forms causing plant diseases.

8. **Marine Biology Lectures.**—Two hours per week. Laboratory: Four hours per week and field trips.

Pre-requisite.—Biology 1 or 1A.

The purpose of this course is to survey facts and methods in marine problems. The anatomy and physiology of a series of significant marine forms including those of economic importance such as the oyster, scallop, lobster and food fishes will be studied. Methods used in attacking problems will be surveyed and typical experiments for investigating behaviour, development, food and ecological relations will be carried out in the laboratory. A short introduction to systematic ichthyology will be included. Field trips will be held for the collection of sea materials, and observation of operations in fish-hatcheries and sea-fisheries. The course is primarily designed for students who will proceed to original investigations on sea-life.

Permission to enter this must be received from the head of the department.

9. **Biological Laboratory Technique.**—Lectures: One hour per week. Laboratory: Ten hours per week.

Pre-requisite.—Biology 1 or 1A.

This course is intended to give training in the principal methods employed in a biological laboratory. It includes free-hand sectioning, fixing and staining; embedding in paraffin and celloidin; use of the rotary and sliding microtomes; preparation of culture media; inoculation; sterilization; microphotography; etc.

**10. Zoological Seminar.** (For advanced students only).

*Lecture: One hour per week.* Special meetings and laboratory work arranged as required.

This course includes a study of recent zoological literature and an investigation of special problems in zoology may be undertaken by qualified students.

**11. Botanical Seminar.**—*Lecture: One hour per week.* Special meetings and laboratory work arranged as required. (For advanced students only)

This course includes a study of recent botanical literature, and an investigation of special problems may be undertaken by qualified student.

**Histology and Embryology.**

*Associate Professor*..... R. J. Bean.

The classes in Histology and Embryology given in the Medical Faculty may be selected as electives for the Arts or Science degrees by those who offer a group of four classes in Biology, and for that purpose they are regarded as classes in Biology.

**XVII. Physiology.**

*Professor*.....

**1B. General Physiology.**—*Wednesday, Friday, and Saturday, 9-10 a. m.*

Some knowledge of Elementary Chemistry, Physics and Biology is pre-supposed; and the student should also, preferably, have some acquaintance with human anatomy. This class cannot be offered for a degree in Medicine.

**XVIII. Anatomy.**

The classes in Anatomy conducted by the Faculty of Medicine are recognized as qualifying for a degree in Arts or Science, when offered by a student taking the affiliated course in Medicine.

Undergraduates who have taken these classes as part of their course are required to present certificates of having passed the examinations conducted by the Faculty of Medicine.

**XIX. Music.**

*Lecturer*..... H. Dean.

The following elective classes in Music may be offered for the degree of Bachelor of Arts.

**1. Harmony and Counterpoint; History of Music from the fourth century to the present day:** *Tuesday and Thursday, 2-4 p. m.*

**2. Harmony and Analysis of Musical Form and Appreciation of Music; History of Music:** *Tuesday and Thursday, 2-4 p. m.*

In addition to the above electives for the Arts degree the classes in the Theory of Music and History of Music conducted in the Halifax Conservatory of Music are recognized as qualifying for the degree of Bachelor of Music. In the Theory, the course extends over three years; in the History, over two. Information as to details of subjects studied in the classes, fees, text-books, etc., may be obtained on application to the Director of the Conservatory, Mr. Harry Dean.

**ENGINEERING COURSES.**

*Professor*..... W. P. Copp.  
*Assistant Professor*..... H. R. Theakston.

**XX. Mechanics.**

**2. Advanced.**—*Monday, Wednesday and Friday, 9-10 a. m.*  
Second Term.

Pre-requisites.—Physics 2; Mathematics 1, 2 and 3 (the latter however, may be taken simultaneously).

This course is intended for Engineering students, but can be offered for a degree in Arts and Science. It deals with statics and dynamics of a particle and of a rigid body, the application of the calculus in considering the motion of a particle under varying force, simple harmonic motion, oscillation of springs and pendulums, etc. The course is illustrated by practical problems.

Text Books: Poorman: *Applied Mechanics.* Morley: *Mechanics for Engineers.*

**3. Graphical Statics.**—*Monday, Wednesday and Friday, 9-10 a. m.* First Term. *Wednesday, 2.30-5.30 p. m.* throughout the Session.

Pre-requisites.—Drawing 1 and Physics 2.

The work includes the composition of forces, use of funicular and force polygons, determination of reactions, centres of gravity,

bending moments and moments of resistance, stresses in cranes, braced towers, roof trusses, and bridge trusses. Shearing force and bending moment diagrams.

Text Book: Malcolm: *Graphical Statics*.

4. **Mechanics of Machines.**—Tuesday, 11-12 a. m., Monday, Wednesday and Friday, 12 a. m.-1 p. m.

Pre-requisites.—Drawing 1, Physics 2, Mathematics 1, 2 and 3 (the latter, however, may be taken simultaneously).

**Kinematics:** The work includes constrained motion, kinematic pairing, velocity and acceleration in mechanism, analysis of simple mechanisms, including the quadric crank chain, slider crank chain and various wheel trains, and the design of involute and cycloidal gear-teeth.

**Dynamics:** A brief discussion of work and power: the power and turning effort of prime movers; the inertia and kinetic energy of revolving and reciprocating parts of machines.

5. **Materials of Construction.**—Thursday, 11-12 a. m.

The work includes the manufacture and properties of cast iron, wrought iron, crucible, bessemer and open hearth steel; principal alloys; manufacture and properties of Portland and natural cements; limes; concrete; stone and brick masonry; timber; preservation of timber; standard specifications.

Text Book: Moore: *Materials of Engineering*.

## XXI. Surveying.

This course includes all of the following which must be taken during the same session.

(a) *Lectures: Monday and Wednesday, 10-11 a. m.*

Pre-requisites.—Drawing 1 and Mathematics 1 and 2.

Instruction is given in the use and adjustment of the various surveying instruments, also in plane land surveying by chain, compass, transit and level; contour surveying; stadia surveying; topographical surveying, etc.; railway circular curves; land systems of the Dominion and Provinces.

Text Book: Breed & Hosmer: *Plane Surveying*.

(b) **Surveying Field Work.** About three weeks immediately preceding the opening of the sessional lectures and Tuesday and Thursday 2.30-5.30 p. m., of the First Term are devoted to practical surveying field work. The course embraces problems in chaining, transit and compass surveying, levelling etc. In addition a detail transit and tape survey is made of the Studley property of the University.

(c) **Mapping.** Tuesday and Thursday, 2.30-5.30 p. m. Second Term.

Drafting from field notes of chain and angular surveys; particularly emphasizing the Studley property survey, the map for which is very carefully drafted and tinted with water colours; Drafting of various survey problems assigned from time to time.

## XXII. Drawing.

1. **Mechanical Drawing.**—Monday and Friday, 2.30-5.30 p. m.

This course is required of all Engineering students. It deals with freehand lettering; object drawing; geometrical exercises; detail and assembly drawings; tracings of simple machines; sketching and blueprinting.

Text Book: French: *Mechanical Drawing*.

1B. **Mechanical Drawing.** Monday, 2.30-5.30 p. m.

This course or Drawing 1 is required of all students proceeding to the Degree of B. Sc. It is a modification of Drawing 1 and in addition deals with perspective, pseudo-perspective and graphs. Special emphasis is given to free hand sketching.

Text Book: Jordan & Hoelscher: *Engineering Drawing*.

2. **Descriptive Geometry.**—Saturday, 9 a. m.-1 p. m.

The work includes the projection of lines, plane figures and solids, problems on the relations of straight lines and planes in space, intersections and developments, surfaces of revolution, perspective. The course aims not only to develop the power to visualize magnitudes involving three dimensions, but also to point out practical applications to engineering work, with practical problems applying the theory.

Text Book: Smith: *Practical Descriptive Geometry*.

3. **Advanced Mechanical Drawing.**—Friday, 2.30-5.30 p. m.

Pre-requisite.—Drawing 1 and 2.

This course is required of all engineering students and is divided into three parts: (a) October-November—Elementary structural drawing, aiming to familiarize the student with structural steel shapes and the detail connections for same. (b) December-January-February—Detail Drawings and tracings of more difficult machine parts. (c) March-April Advanced Descriptive geometry and its application to more difficult architectural, sheet metal piping and mining problems.

Lectures are given during the course dealing with draughting room methods and explanation of design and problems.

Reference Books: French: *Mechanical Drawing*. Smith: *Practical Descriptive Geometry*. Cutter: *Descriptive Geometry*. Bishop: *Structural Drafting*.

## XXIII. Shop Work.

A course of about three weeks duration immediately preceding the regular sessional lectures, is given by the Nova Scotia Technical College in its own workshops. The course includes chipping,

filing, and scrapping; machining a surface block; various kinds of work on drilling machines; grinding of drills; instruction in cutting speeds and rates of feed; tapping and threading and problems connected therewith; engine lathe work etc.; various problems assigned at the discretion of the instructor suited to the individual ability of the student.

### XXIII. Commerce.

Professor..... Bishop C. Hunt.  
Lecturer in Commercial Law..... W. B. Wallace.  
Lecturer in Accounting.....

#### 1. Elementary Accounting.—Monday, Wednesday and Friday, 2.30-3.30 p. m.

Fundamental principles, theory and practice of debit and credit; functions and classification of accounts; columnar books of original record; supporting information; proprietorship; controlling accounts; entries to open, adjust and close; preparation of financial statements; single versus double entry; elementary accounting problems.

Text Books: Kester: *Accounting Theory and Practice*, Vol. I, 2nd Edition and Practice Data. Exercises and problems prepared by the Department.

#### 2. Intermediate Accounting.—Monday, Wednesday and Friday, 11-12 a. m.

Pre-requisite.—Elementary Accounting.

Accounting as an instrument of business control. Theory and practice of the technical phases of mercantile accounting; Advanced methods of recording and handling sales, purchases, receipts and disbursements; the voucher system, columnar control; the functions and adjustment of partnership accounts; of corporation accounts; stock and bond issues, bond interest and discount, surplus and reserves, sinking funds; aspects and methods of providing for depreciation; accounts with branch houses and selling agencies; investments; intangible assets. The principles of manufacturing accounting; the elements of cost accounts and methods peculiar thereto. The preparation, analysis and interpretation of the financial statements of mercantile and manufacturing concerns; readings in accounting theory; the solution of a variety of problems.

Text Books: Kester: *Accounting Theory and Practice*, Vol. II and Practice Data Exercises and problems prepared by the Department. Rittenhouse and Percy: *Accounting Problems*.

Reference will be had to Bennett: *Corporation Accounting*. Hatfield: *Modern Accounting*. Dickinson: *Accounting Practice and Procedure*. Spicer and Pegler: *Auditing*.

#### 3. Advanced Accounting.—(1924-5). Three hours a week.

Pre-requisite.—Intermediate Accounting.

1. Auditing, theory and practice; investigations; classes, purposes and methods.

2. Fiduciary Accounting. The preparation of trust and estate accounts; a wide range of problems in Theory and Practice.

Reference to: Spicer and Pegler: *Auditing*. Hoskins: *Joint Stock Companies*. Dickinson: *Accounting Practice and Procedure*. Montgomery: *Auditing, Theory and Practice*.

#### 4. Marketing and Distribution.—(1924-25). Tuesday and Thursday, 9-10 a. m.

Pre-requisite.—Economics 1.

A study of the processes, channels and problems of market distribution.

I. The marketing of raw materials and semi-manufactured products for wholesale consumption; trade channels; position and functions of various types of middleman; the problems of transportation, financing, insurance, storage and speculation; sources of market information; investigation of the more important raw materials to illustrate principles.

II. The methods of marketing manufactured goods for retail distribution; middlemen in the manufacturer's market; economics of retailing; types of retail stores, competitive advantages and disadvantages; advertising as a business force; price policies; sales under brand; merchandising costs; critique of the present marketing system; problems.

Text Books: Macklin: *Efficient Marketing for Agriculture*. Clark: *Principles of Marketing*. Copeland: *Marketing Problems*.

Readings from Cherington: *Advertising as a Business Force*. Nystrom: *Economics of Retailing*. Marshall: *Industry and Trade*. Shaw: *An Approach to Building Problems*.

#### 5. Business Correspondence.—(1925-26). One hour a week.

Pre-requisites.—English 2.

A study of the various types of business letters, their form and methods of expression; routine-buying, collection, adjustment, circular, sales and application letters; the preparation of reports and outlines; mailing lists; handling correspondence; the language of advertising; exercises to enlarge vocabulary; the problem of effective business communication.

Gardner: *Effective Business Letters*. Hare: *Writing an Advertisement*.

#### 6. Business Organization and Management.—(1925-26).

Two hours a week.

Pre-requisites.—Economics 1 and Commerce 1.

I. The evolution of industry based on methods of production; organization from the standpoints of association and ownership; the form of the business unit; the partnership, corporation and corporation combination; advantages and disadvantages; tests of efficiency.

II. The theory of industrial and plant location, equipment and development; types of internal organization for purposes of control; the administration of production; methods of modern business management; the Taylor system of scientific management; the administration of personnel; the human equation in business; executive co-ordination; accounting and statistics as instruments of business control.

Text Books: Marshall: *Business Administration*. Reference to Kimball: *Principles of Industrial Organization*. Jones: *Administration of Industrial Enterprises*. Taylor: *Principles of Scientific Management*. Hoxie: *Scientific Management and Labor*. Shaw: *An Approach to Business Problems*. Copeland: *Business Statistics*. Marshall: *Industry and Trade*.

#### 7. Corporation Finance and Investments.—(1924-25). Monday, Wednesday and Friday 9-10 a. m.

Pre-requisite.—Economics I, Commerce 2.

I. Types and varieties of securities; promotion—the promoter, investment banker, underwriting syndicate, sale of securities to the public, financial plans; problems of financial administration, accounting and dividend policies; expansion—industrial combinations, the sale of notes, bonds and securities, railroad and public utility finance; failure and reorganization.

II. An analysis of types of investments and their suitability for different persons and institutions; investments and the business cycle.

Text Books: Dewing: *Corporation Finance*. Lincoln: *Problems of Business Finance*. Lagerquist: *Investment Analysis*. Lincoln: *Applied Business Finance*. Reference will be had to: Dewing: *Financial Policy of Corporations*, and *Corporate Problems and Reorganizations*. Mead: *Corporation Finance*.

#### 8. Commercial Law 1. (1925-6).

General principles of business law, including the law of contracts, sales and agency. Lectures and assigned readings.

Reference: Cockle and Hibbert: *Cases on the Common Law*.

#### 9. Commercial Law 2. (1924-5).

The law of negotiable instruments; partnerships and corporations; torts; real property; liens; bankruptcy; the Bank Act. Lectures and assigned readings.

Reference: Cockle and Hibbert: *Cases on the Common Law*.

#### 10. Foreign Trade.—(1925-26). Two hours a week.

Pre-requisite.—Econ. 1.

I. The principles underlying the development of international commerce; geographic, economic and social factors; foreign exchange.

II. The technical aspects of merchandising Canadian goods in overseas markets and of importing from abroad; market analysis.

III. Ocean transportation; the business of shipping and its organization; freight rates; marine insurance; trade routes; port and harbour facilities; government aid, mercantile marine policies and subsidies.

Text Books: Taussig: *Selected Readings and International Trade*. Furniss: *Foreign Exchange*. Wyman: *Export Merchandising*. Tosdal: *Problems of Export Sales Management*. DeHans: *Foreign Trade Organization*.

#### 11. Railroad Transportation.

The principles of railroad transportation; development and operation of the Canadian systems; administrative organization; rates and rate marking; problems of the shipper, the traffic department.

#### 12. Advanced Market Organization and Problems.

An analysis of problems of selling policy; the sales organization, development and relation to other departments; market analysis; functions and principles of advertising and selling; preparation and execution of sales campaigns.

Text Books: Assigned Reading and Exercises. Extracts from Copeland: *Marketing Problems*. Tosdal: *Problems of Sales Management*. David: *Problems of Retailing*. Tipper and Hotchkiss: *Principles of Advertising*. Whitehead: *Principles of Salesmanship*. Hoyt: *Scientific Sales Management*.

## Societies connected with the College.

### The Alumni of King's College.

This is a Society incorporated by Act of the Legislature, consisting of graduates and others whose object is the furtherance of the welfare of the University. The annual fee for membership is \$2.00.

The annual meeting of the Society is held the day before Encaenia.

The present officers of the Society are:

Ven. Archdeacon Vroom, D. D., President.

Rev. Noel Wilcox, M. A., Secretary.

W. L. Payzant, Esq., M. A., LL. B., Treasurer.

### The Alexandra Society of King's College.

This Society, which has branches all over the Maritime Provinces, was formed in Halifax in 1902 as the Women's Auxiliary to the Alumni, its object to aid the Alumni in raising funds for the College.

### King's University League.

A league of laymen open to all interested in the advancement of the interests of King's, the success of the present association with Dalhousie, and the project of higher education in the Maritime Provinces:

President—A. Handfield Whitman.

Vice-President—Major J. P. Edwards.

Treasurer—Geo. E. Mahon.

Secretary—R. V. Harris.

Branches are being formed throughout the Province. Membership \$1.00.

## STUDENTS' ORGANIZATIONS.

### The Student Body.

The chief business of the Student Body is transacted by the Executive Council, composed of the Senior, the Treasurer and Secretary and a representative from each of the four classes. This Executive meets weekly and has general supervision over the funds of the students' societies, excepting those of the K. C. A. A. A.

### The "King's College Record."

The Record (founded 1878) is published by the undergraduates of the College, monthly, during the Academic year.

The associate editors and the business manager of the Record are elected at the first meeting of Michaelmas Term.

### The Quinctilian Society.

This is the College Debating Society and was founded in 1845. Meetings are held every Friday evening during the Academic year at 8 o'clock. There are no fees. All students are expected to join this society. It was owing to the initiative of this society that the Maritime Intercollegiate Debating League was established

### The Haliburton.

This Society was founded and incorporated by Act of Legislature, 1884. Its object is the cultivation of a Canadian Literature and the collecting of Canadian books, manuscripts and of books bearing upon Canadian History and literature. Membership is open to all members of the College and residents in the city of Halifax. Any literary man may be elected an honorary member. Meetings are held every alternate Saturday at 8 p. m., the annual meeting in Encaenia Week.

### The Students' Missionary Society.

This Society was founded in 1890. Its object is to promote interest in missionary work, and to further the missionary work of the Church, especially in the Maritime Provinces. Membership is open to all members of the College. The annual meeting is held on St. Andrew's Day, or as near to it as possible.

### King's College Amateur Athletic Association.

The object of this association is the promotion of amateur sport of all kinds. Gymnasium classes are held regularly under the direction of a competent instructor. The K. C. A. A. is affiliated with the Maritime Provinces Amateur Athletic Association, and is governed according to the rules of that association. Membership is open to all members of the College. The Association has formed an Inter-Provincial College Hockey League.

### King's College Radio Club.

This is the youngest Society in the College, organized in Oct., 1919—it is already one of the most popular.

King's leads in being the first College in the Maritime Provinces to have a complete Wireless installation.

Messages are received from all the high power stations of America and Western Europe.

The object of the Club is to enable students to gain a good general and practical knowledge of the Wireless Art.

### King's College Co-eds' Association.

This club was organized in October 1913. It is open to all women graduates and undergraduates of King's College. The primary object is to extend the interests of King's College among women.