

CALENDAR  
OF  
DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1931-1932



HALIFAX:  
PRINTED FOR THE UNIVERSITY BY WM. MACNAB & SON.  
1931

# LECTURE TIME TABLE—ARTS AND SCIENCE, 1931-32.

For Laboratory Periods see Courses of Instruction.

Hour	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Greek 2..... French 2 (3).. History 1 (1).. Pol. Sc. 3..... Education 1... Chem. 1, 1A.. Mech. 2..... Psychology 4..	French 1 (1)... French 2 (1).. Elem. German English 5..... Math. 1 (4)... Philos. 1..... Physics 3..... Biol. 1 (2)... Drawing 1, 1B Commerce 4..	Greek 2..... French 2 (3).. History 1 (1).. Pol. Sc. 3..... Education 1... Chem. 1, 1A.. Mech. 3..... Psychology 4..	French 1 (1).. French 2 (1).. Elem. German English 5..... Math. 1 (4)... Philos. 1..... Physics 3..... Biol. 1 (2)... Drawing 1, 1B Commerce 4..	French 2 (3).. History 1 (1).. Education 1... Chem. 1, 1A.. Mech. 2..... Zool. 3..... Drawing 2.....	French 1 (1) French 2 (1) Elem. German Math. 1 (4) Philos. 1 Zool. 3 Drawing 2
10	Latin 2 (1)... Elem. Greek.. French 10..... History 1 (2).. History 2..... Econ. 1 (1)... Math. 1 (1)... Math. 1C..... Chem. 2, 2A, 4.. Geology 1..... Physics 2.....	Latin 1 (1)... Greek 1..... French 1 (2).. French 2 (2).. History 8..... Math. 4..... Commerce 5.. English 3..... Geology 2..... German 1.....	Latin 2 (1)... Greek 1..... History 1 (2).. History 2..... Econ. 1 (1)... Math. 1 (1)... Math. 1C..... Chem. 2, 2A, 4.. Geology 1..... Physics 2.....	Latin 1 (1)... Elem. Greek.. French 1 (2).. French 2 (2).. History 8..... Philos. 7..... Math. 4..... Commerce 5.. English 3..... Geology 2..... German 1.....	Latin 2 (1)... Elem. Greek.. French 10..... History 1 (2).. History 2..... Econ. 1 (1)... Math. 1..... Math. 1C..... Chem. 2, 2A, 4.. Geology 1..... Physics 2.....	Latin 1 (1) Greek 1 French 1 (2) French 2 (2) Philos. 7 Commerce 6 Drawing 2, 3, Geology 1 German 1
11	Latin 2 (2)... English 1..... History 20..... Econ. 1 (2).. Math. 1 (2).. Math. 3..... Physics 1..... Commerce 2.. English 9.....	Elem. Latin.. Latin 2 (3).. Latin 4..... Econ. 5..... Philos. 3..... Math. 1 (3).. Math. 2..... Geology 10.. Mech. 4.....	Latin 2 (2)... English 1..... History 20..... Econ. 1 (2).. Math. 1 (2).. Math. 3..... Physics 1..... English 9.....	Elem. Latin.. Latin 2 (3).. Latin 4..... Econ. 5..... Philos. 3..... Math. 1 (3).. Math. 2..... Geology 10.. Mech. 5.....	Latin 2 (2)... English 1..... History 20..... Econ. 1 (2).. Math. 1 (2).. Math. 3..... Physics 1..... Commerce 2.. English 9.....	Elem. Latin Latin 2 (3) History 20 Econ. 1 (2) Drawing 2, 3 Math. 1 (3) Physics 1 Geology 10
12	Latin 1 (2)... Greek 4..... Elem. French English 2, 20.. Pol. Sc. 6..... Commerce 9..	..... ..... ..... ..... ..... ..... ..... .....	Latin 1 (2)... Greek 4..... Elem. French English 2, 20.. Pol. Sc. 6..... Commerce 9..	..... ..... ..... ..... ..... ..... ..... .....	Latin 1 (2)... Elem. French English 2, 20.. Drawing 3..... ..... ..... .....	Drawing 2, 3
2.30	German 2..... Spanish 1..... History 6..... ..... ..... Sociology 1.. Sociology 3.. Biol. 1 (1)..	Elem. Greek.. Spanish 1..... History 5..... English 12.. Commerce 10.. Psychology 6 Econ. 6..... Sociology 3.. Biol. 2, 2A.. German 3.....	German 2..... Spanish 1..... History 6..... ..... ..... Sociology 1.. Philos. 8..... Biol. 1 (1)..	Elem. Greek.. Spanish 1..... History 5..... English 12.. Commerce 10.. Psychology 6 Econ. 6..... Sociology 3.. Biol. 2, 2A.. German 3.....	German 2..... Spanish 1..... ..... ..... ..... Sociology 1.. Philos. 8..... .....	..... ..... ..... ..... ..... ..... ..... .....
3.30	Spanish 2..... Sociology 4.. Pol. Sc. 1..... Fine Arts..... Commerce 1..	French 4..... English 13.. Psychology 3.. ..... .....	Spanish 2..... Sociology 4.. Pol. Sc. 1..... Philos. 2..... Fine Arts..... Commerce 1..	French 4..... English 13.. Psychology 3.. ..... .....	Spanish 2..... Pol. Sc. 1..... Philos. 2..... Commerce 1..	..... ..... ..... ..... .....
4.30	..... ..... ..... .....	Spanish 10.. French 5..... Bib. Lit..... Education 2..	..... ..... ..... .....	Spanish 10.. French 5..... Bib. Lit..... Education 2..	..... ..... ..... .....	

UNIVERSITY 1827-1932

# CALENDAR

OF

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## 1931-1932



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1931

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# UNIVERSITY ALMANAC, 1931-1932.

## 1931.

- Aug. 17 M. —Last day for receiving applications\* for Fall Supplementary Examinations.
- Sept. 1 Tu. —Shop Work and Surveying Camp for students in Engineering begin.
- 8 Tu. —Session begins. Registration (and Payment of Fees) and Supplementary Examinations for students in Law, Medicine, Dentistry.
- 9 W. —Lectures begin, and last regular Registration†† Day for such students.
- 12 S. —12 Noon. Registration for such students ends.
- 21 M. —Registration (and Payment of Fees) begins in Faculty of Arts and Science. The only regular registration day for NEW STUDENTS from Halifax and Dartmouth
- 22 Tu. —The only regular registration day for other NEW STUDENTS in Faculty of Arts and Science.
- 23 W. —Registration begins for other than new students in Faculty of Arts and Science.  
Special lectures begin for NEW STUDENTS in Faculty of Arts and Science.
- 22 Tu. —Matriculation (and Scholarship) and Supplementary Arts and Science Examinations† begin.  
—9.30—12.30 a. m., Latin; German.\*\*  
—2.30— 5.30 p. m., English.
- 23 W. —9.30—12.30 a. m., French; Greek.\*\*  
—2.30— 5.30 p. m., Physics.
- 24 Th. —9.30—12.30 a. m., Geometry.  
—2.30— 5.30 p. m., Chemistry.
- 25 F. —9.30—12.30 a. m., Algebra.  
—2.30— 5.30 p. m., Trigonometry; History.\*\*
- 26 S. —12 Noon. Regular Registration†† Period for Students in Arts and Science ends. Halifax Students will not be registered on this day.  
Results of Matriculation and Supplementary examinations declared
- 28 M. —9 a. m., Lectures begin in Arts and Science.
- 29 Tu. —11 a. m., Meeting of Faculty of Arts and Science.
- Oct. 3 S. —12 Noon. Registration in Arts and Science ends.
- 7 W. —Intimation as to elective subjects to be made on or before this day in Arts and Science Faculty.
- M. —Thanksgiving Day. No Lectures.
- Nov. 23 M. —Last day for receiving applications\* for First Term Supplementary Examinations in Law.
- Dec. 14 M. —Last day of lectures in classes wherein Christmas examinations are held.
- 16 W. —Christmas Examinations† begin.
- 22 Tu. —Last day of Lectures.
- 23 W. —9 a. m., Christmas vacation begins.

## 1932.

- Jan. 5 Tu. —9 a. m., Lectures resumed.
- Mar. 2 W. —Last day for receiving theses for Master's degree.
- 24 Th. —Last day for receiving Applications\* for Examinations for Master's degree and for Music and Pharmacy.
- 25 F. —Good Friday. No Lectures.
- Apr. 1 F. —Last day for receiving Applications\* for Spring Supplementary Examinations (Law, Medicine, Dentistry).
- 18 M. —Last day of Lectures.
- 20 W. —Spring Examinations† begin.
- 26 Tu. —Final Professional Examinations in Medicine and Dentistry begin.
- May 4 W. —4 p. m., Meeting of Faculty of Law.  
8 p. m., Meeting of Faculty of Dentistry.
- 5 Th. —8 p. m., Meeting of Faculty of Arts and Science.
- 6 F. —5 p. m., Meeting of Faculty of Medicine.
- 7 S. —11 a. m., Meeting of Senate.  
Results of Examinations declared.
- 10 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.

# Dalhousie University.

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\*Granted leave of absence for 1931-32.

†Died during year.



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(Harv.), *Professor of Law, 24½ Walnut St.*
- Vincent Christopher MacDonald**, B. A., LL. B. (Dal.),  
*Professor of Law, 126 Henry St.*
- John Thomas MacQuarrie**, B. Com., LL. B. (Dal.), *Lecturer*  
*in Law.*
- C. J. Burchell**, M. A., LL. B. (Dal.), K. C., *Lecturer in Shipping.*
- A. L. Macdonald**, B. A. (St. F. X.), LL. B. (Dal.), *Lecturer*  
*in Procedure.*
- W. E. Thompson**, LL. B. (Dal.), *Lecturer in Insurance.*
- F. H. M. Jones**, B. A., LL. B. (Dal.), *Lecturer in Insurance.*
- J. W. Godfrey**, B. A. (Dal.), *Rhodes Scholar, B. C. L. (Oxon.),*  
*Lecturer in History of English Law.*
- I. C. Doty**, B. A. (Acad.), LL. B. (Dal.), *Lecturer in Crimes.*
- J. E. Rutledge**, B. A., LL. B. (Dal.), *Lecturer in Procedure.*
- J. A. Walker**, M. A. (C. U. A.), LL. B. (Dal.), *Lecturer in*  
*Practical Statutes.*
- F. D. Smith**, K. C., *Lecturer in Shipping.*
- Hon. W. F. Carroll**, B. A. (St. F. X.), LL. B. (Dal.), *Justice*  
*of the Supreme Court of Nova Scotia, Lecturer in Evidence.*
- Dean of the Faculty, Professor S. E. Smith.*
- Secretary of the Faculty, Professor H. E. Read.*

## Academic Staff.

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## Special Lecturers.

- Hon. J. A. Chisholm, B. A. (St. F. X.), LL. B. (Dal.), *Chief Justice of the Supreme Court of Nova Scotia, Legal Ethics.*  
 T. R. Robertson, B. A., LL. B. (Dal.), K. C., *Crown Rules.*  
 Captain W. F. Mitchell, *Navigation.*  
 R. H. Murray, B. A., LL. B. (Dal.), K. C., *Divorce.*  
 R. F. Yeoman, B. A., LL. B. (Dal.), *Probate Practice.*  
 W. J. O'Hearn, LL. B. (Dal.), *Judge of the County Court, Habeas Corpus.*  
 R. T. MacIlreith, LL. B. (Dal.), K. C., *Public Utilities.*

## FACULTY OF MEDICINE 1930-31.

- Carleton W. Stanley Oct. 9/31*  
 A. Stanley Mackenzie, B. A. (Dal.), Ph. D. (J. H. U.), D. C. L., LL. D., F. R. S. C., *President of the University.*  
 M. A. Curry, B. A. (Vind.), M. D. (Univ. of N. Y.), *Emeritus Professor of Clinical Gynaecology.*  
 Louis M. Silver, B. A. (Vind.), M. B., C. M. (Edin.), F. R. C. P. (C.), *Emeritus Professor of Medicine and Clinical Medicine, 65 Morris St.* ✓  
 Dec. 11/31 William H. Hattie, M. D., C. M. (McGill), F. R. C. P. (C.), *Professor of Hygiene and Public Health and of Mental Diseases, Dartmouth.*  
 John Stewart, C. B. E., M. B., C. M. (Edin.), LL. D. (Edin., Dal. and McGill), F. R. C. S. (Edin.), *Professor of Surgery, 28 South St.* ✓  
 E. V. Hogan, C. B. E., B. A. (St. F. X.), M. D., C. M. (McGill), M. R. C. S. (Eng.), L. R. C. P. (Lond.), F. R. C. S. (C.), *Professor of Surgery and Clinical Surgery, 109 College St.* ✓  
 H. K. MacDonald, M. D., C. M. (McGill), F. R. C. S. (C.), *Professor of Surgery and Clinical Surgery, 11 Coburg Rd.* ✓  
 Elrid Gordon Young, B. A., M. Sc. (McGill), Ph. D. (Cantab.), *Professor of Biochemistry, 109 Oxford St.* ✓  
 Ralph Paterson Smith, M. D., Ch. B. (Glas.), D. P. H. (Glas. and Edin.), *Professor of Pathology and Bacteriology, 20 Chestnut St.* ✓  
 Ernest William Henderson Cruickshank, M. D. (Aber.), D. Sc. (Lond.), Ph. D. (Cantab.), M. R. C. P. (Lond.), F. R. S. (Edin.), *Professor of Physiology, Armdale House.* ✓  
 Kenneth A. MacKenzie, M. D., C. M. (Dal.), F. R. C. P. (C.), *Professor of Medicine and Clinical Medicine, 89 Spring Garden Rd.* ✓  
 J. G. MacDougall, M. D., C. M. (McGill), F. R. C. S. (C.), *Professor of Surgery and Clinical Surgery, 95 Spring Garden Rd.* ✓  
 E. Kirk Maclellan, M. D., C. M. (Dal.), F. R. C. S. (C.), *Professor of Obstetrics and Demonstrator in Practical Obstetrics, 158 South St.* ✓  
 George H. Murphy, M. D., C. M. (Dal.), F. R. C. S. (C.), *Professor of Surgery and Clinical Surgery, 28 Carleton St.* ✓  
 H. B. Atlee, M. D., C. M. (Dal.), F. R. C. S. (Edin.), F. R. S. M. (Lond.), *Professor of Obstetrics and Gynaecology and Demonstrator in Practical Obstetrics, York Apartments.* ✓  
 R. E. Mathers, M. D. (New York), *Professor of Diseases of the Eye, Ear, Nose and Throat, 34½ Morris St.* ✓  
 Raymond Jackson Bean, M. S. (N. H.), *Professor of Histology and Embryology, Almeda Apartments.* ✓

90 Prof. Wilson Smith,  
101<sup>1/2</sup> Marchant St.  
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Academic Staff.

- ✓ Donald Mainland, M. B., Ch. B. (Edin.), Dr. D. G. J. Campbell Memorial Professor of Anatomy, Carleton Hotel.
- ✓ Nicolaus Bernard Dreyer, B. A. (Cape et Oxon.), M. A. (Oxon.), M. R. C. S. (Eng.), L. R. C. P. (Lond.), Professor of Pharmacology, Bedford, N. S.
- W. Bruce Almon, M. D., C. M. (Dal.), F. R. C. S. (C.), Associate Professor of Obstetrics, 35 Hellis St.
- ✓ Robert Arthur Haliburton MacKeen, M. D., C. M. (McGill), Assistant Professor of Pathology and Bacteriology and Demonstrator in Clinical Medicine, 76 Oakland Rd.
- M. J. Carney, B. A. (Dal.), M. D., C. M. (McGill), F. R. C. P. (C.), Assistant Professor of Clinical Medicine and of Paediatrics, 115 Oxford St.
- Frank G. Mack, B. A. (Dal.), M. B. (Tor.), F. R. C. S. (C.), Assistant Professor of Urology and Dermatology, 140 Spring Garden Rd.
- ✓ James R. Corston, B. A., M. D., C. M. (Dal.), F. R. C. P. (C.), Assistant Professor of Medicine and Clinical Medicine, 46 Coburg Road.
- W. Alan Curry, M. D., C. M. (McGill), F. R. C. S. (Eng.), Assistant Professor of Surgery and Clinical Surgery, 121 South Park St.
- A. R. Cunningham, B. A., M. D., C. M. (Dal.), Assistant Professor of Diseases of the Eye, 260 Barrington St.
- A. E. Doull, M. D., C. M. (McGill), Assistant Professor of Diseases of the Ear, Nose and Throat, 34 $\frac{1}{2}$  Morris St.
- ✓ Collingwood William Startup, B. Sc. (Aber.), Assistant Professor of Physiology, 37 Fraser St.
- ✓ Robert Fail Ross, B. A., M. D., C. M. (Dal.), Assistant in Anatomy, ~~29 Mott St.~~ 434 Robie St.
- Elizabeth Smith Bean, B. A. (Cinn.), M. A., Ph. D. (Wis.), Instructor in Histology and Embryology, Almeda Apartments.
- Philip Weatherbe, M. B., Ch. B. (Edin.), Demonstrator in Clinical Surgery, 318 Barrington St.
- F. E. Lawlor, M. D., C. M. (McGill), Demonstrator in Mental Diseases, Dartmouth.
- J. F. Lessel, M. D., C. M. (Dal.), Demonstrator in Anaesthetics, 151 South Park St.
- ✓ G. A. Burbidge, Dean of N. S. Coll. of Pharmacy, Lecturer in *Materia Medica*, 46 Oakland Rd.
- ✓ P. A. Macdonald, M. D., C. M. (McGill), Demonstrator and Chief of Clinic in Practical Obstetrics, 101 Spring Garden Rd.
- ✓ W. L. Muir, M. D., C. M. (McGill), Demonstrator in Anaesthetics, 240 Jubilee Rd.
- J. L. Churchill, B. A. (Acad.), M. D., C. M. (McGill), Lecturer in Medicine, 7 Quinpool Rd.
- T. M. Sieniewicz, M. D., C. M. (Dal.), Lecturer in Medicine and Clinical Medicine, 6 Oakland Rd.
- S. R. Johnston, M. D., C. M. (Dal.), Lecturer in Medicine and Clinical Medicine and Demonstrator in Radiology, 40 South Park St.
- Clyde Wallace Holland, B. A., M. D., C. M. (Dal.), Demonstrator in Anatomy, Pathology and Bacteriology, and Lecturer in Medicine and Clinical Medicine, 119 Spring Garden Rd.
- J. G. D. Campbell, M. D., C. M. (Dal.), Demonstrator in Paediatrics, 407 Brunswick St.
- ✓ Gordon B. Wiswell, M. D., C. M. (Dal.), Demonstrator in Paediatrics, 186 Robie St.

- Frank V. Woodbury, M. D., C. M. (Dal.), L. R. C. S., L. R. C. P. (Edin.), L. F. P. S. (Glas.), *Lecturer in Medical Jurisprudence*, 105 South Park St.
- M. G. Burris, B. A., M. D., C. M. (Dal.), *Demonstrator in Clinical Surgery*, Dartmouth. <sup>322 Queen St.</sup>
- D. J. MacDonald, M. D., C. M. (McGill), *Demonstrator in Clinical Surgery*, 168 South St.
- T. B. Acker, M. D., C. M. (Dal.), *Demonstrator in Clinical Surgery*, 108 Henry St.
- H. W. Kirkpatrick, M. D., C. M. (Dal.), *Demonstrator in Diseases of the Eye*, 50 Vernon St.
- V. O. Mader, M. D., C. M. (McGill), *Demonstrator in Anatomy and in Clinical Surgery*, 149 South Park St.
- Hugh W. Schwartz, M. D., C. M. (Dal.), *Demonstrator in Diseases of the Ear, Nose and Throat*, 183 South Park St.
- A. M. Marshall, M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 8 Black St.
- N. H. Gosse, M. D., C. M. (Dal.), *Demonstrator in Pathology and in Clinical Surgery*, 82 Spring Garden Rd.
- C. E. Kinley, M. D., C. M. (Dal.), *Lecturer in Surgery and Demonstrator in Clinical Surgery*, 133 Spring Garden Rd.
- H. D. O'Brien, M. D., C. M. (Dal.), *Demonstrator in Clinical Surgery*, 160 Robie St.
- J. W. Merritt, M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 317 Barrington St.
- W. G. Colwell, M. D., C. M. (Dal.), *Demonstrator in Clinical Gynaecology and in Practical Obstetrics*, 358½ Morris St.
- A. R. Morton, M. D., C. M. (Dal.), *Demonstrator in Mental Diseases*, Nova Scotia Hospital.
- John Rankine, B. A., M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 19 Kaye St.
- W. D. Forrest, B. Sc., M. D., C. M. (Dal.), *Lecturer in Hygiene and Public Health*, 257 Barrington St.
- A. E. Doull, Jr., M. D., C. M. (Dal.), *Demonstrator in Diseases of the Ear, Nose and Throat*, 26 Chestnut St.
- G. R. Burns, M. D., C. M. (Dal.), *Lecturer in Medicine and Clinical Medicine*, 81 South Park St.
- J. C. Acker, M. D., C. M. (McGill), *Demonstrator in Clinical Surgery*, 36 Larch St.
- J. R. MacLean, M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 348 Robie St.
- J. W. MacIntosh, M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 30 Coburg Rd.
- J. W. Reid, Jr., M. D., C. M. (Dal.), M. R. C. P. (Lond.), *Demonstrator in Clinical Medicine*, 34 Coburg Rd.
- A. H. Sangster, M. D., C. M. (Dal.), *Demonstrator in Anatomy*, Victoria General Hospital.
- Anne Slattery, B. A. (McGill), *Assistant in Hygiene*, Public Health Clinic, Morris St.
- Marjorie E. Trefry, *Assistant in Hygiene*, Public Health Clinic, Morris St.
- Angus Edward Murray, B. A., M. D., C. M. (Dal.), *Assistant in Biochemistry*, 185 South Park St.
- James Charles Gray, *Student Assistant in Histology and Embryology*.

Dean of the Faculty, Professor John Stewart.

Assistant Dean, Professor Hattie.

Secretary of the Faculty, Professor Bean.

Committee on  
Studies and  
Attendance.

President Mackenzie, Chairman.  
Dean Stewart, Assistant Dean Hattie,  
Secretary.  
Professors Murphy, K. A. MacKenzie,  
Bean and Young.

## FACULTY OF DENTISTRY, 1930-31.

- A. Stanley Mackenzie, B. A. (Dal.), Ph. D. (J. H. U.), D. C. L., LL. D., F. R. S. C., *President of the University.*
- A. W. Cogswell, M. D., C. M. (Hfx. M. C.), D. D. S. (U. of P.), *Professor of Dental Pathology and Therapeutics, 105 Hollis St.*
- S. G. Ritchie, B. A. (U. N. B.), D. M. D. (T. D. C.), *Professor of Dental Anatomy and Comparative Dental Anatomy and Prosthetic Dentistry, St. Paul Building.*
- G. K. Thomson, D. D. S. (P. D. C.), F. A. C. D., *Professor of Hygiene and Preventive and Clinical Dentistry, Chronicle Building.*
- F. V. Woodbury, M. D., C. M. (Dal.), L. R. C. S., L. R. C. P. (Edin.), L. F. P. S. (Glas.), *Professor of Oral Surgery, Anaesthetics and Physical Diagnosis, 105 South Park St.*
- W. W. Woodbury, B. Sc. (Dal.), D. D. S. (P. D. C.), *Professor of Orthodontia, 70 Spring Garden Rd.*
- W. H. H. Beckwith, D. D. S. (P. D. C.), *Professor of Operative Dentistry, 306 Barrington St.*
- W. C. Oxner, D. D. S. (B. C. D. S.), *Professor of Crown and Bridge Work and Ceramics, Birks Building.*
- J. Stanley Bagnall, D. D. S. (Dal.), *Professor of Dentistry, 77½ Larch St.*
- A. W. Faulkner, D. D. S. (Dal.), *Lecturer in Crown and Bridge Work and Ceramics, 69 Gottingen St.*
- G. R. Hennigar, D. D. S. (B. C. D. S.), *Lecturer in Exodontia and Radiology, 427 Barrington St.*
- K. F. Woodbury, D. D. S. (Dal.), *Lecturer in Materia Medica, 177 South Park St.*
- G. A. Chudleigh, D. D. S. (B. C. D. S.), *Lecturer in Operative Dentistry, St. Paul Building.*
- C. B. H. Climo, D. D. S. (Dal.), *Lecturer in Prosthetic Dentistry, 315 Barrington St.*
- H. S. Crosby, D. D. S. (Dal.), *Lecturer in Dental History, Jurisprudence, Ethics and Economics, 315 Barrington St.*
- Margaret Brodie, *Lecturer in Drawing and Modelling and Metal-craft, 6½ Williams St.*
- Dr. S. G. Ritchie,  
Dr. G. K. Thomson,  
Dr. W. W. Woodbury,  
Dr. W. H. H. Beckwith,  
Dr. W. C. Oxner,  
Dr. J. S. Bagnall,  
G. M. Logan, D. D. S. (Dal.), } *Demonstrators in Dental Subjects.*
- G. M. Logan, D. D. S. (Dal.), } *Demonstrator in Dental Metallurgy, Birks Building.*
- W. G. Dawson, D. D. S. (Dal.), } *Demonstrator in Crown and Bridge Work and Ceramics, Birks Building.*
- O. Gardner, *Technician in Prosthetic Dentistry, 42 LeMarchant St.*

Dean of the Faculty, Dr. Thomson.  
Secretary of the Faculty, Dr. Bagnall.

Committee on  
Studies and  
Attendance.

{ President Mackenzie, Chairman.  
{ Dean Thomson, Dr. Bagnall, Secretary.  
{ Dr. Ritchie.

# Dalhousie University.

## INTRODUCTION.

### Historical Sketch.

Dalhousie College was founded in 1818 by the Right Honourable George Ramsay, ninth Earl of Dalhousie, "for the education of youth in the higher branches of science and literature."

The original endowment was derived from funds collected at the port of Castine, at that time a part of the Commonwealth of Massachusetts, now of Maine, during its occupation in 1814 by Sir John Sherbrooke, then Lieutenant-Governor of Nova Scotia. In a letter to Lord Bathurst, dated December 14th, 1817, Lord Dalhousie, with the unanimous consent of the Council, proposed that £9,750 of these funds be devoted to the "founding of a College or Academy on the same plan and principle as that in Edinburgh," "open to all occupations and sects of religion, restricted to such branches only as are applicable to our present state, and having the power to expand with the growth and improvement of our society," and that this College be established in Halifax, "the seat of the legislature, of the courts of justice, of the military and the mercantile society." On the 6th of February, 1818, Lord Bathurst wrote expressing the Prince Regent's "entire approval of the application of the funds in question in the foundation of a Seminary in Halifax for the higher classes of learning." The building was begun in 1819, and on the 22nd of May in the year 1820 the corner stone was laid by the Earl of Dalhousie. On the 13th of January, 1821, an "Act to incorporate the Governors of Dalhousie College at Halifax" became law. The original Board consisted of the Governor-General of British North America, the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief-Justice, the President of the Council, the Treasurer of the Province, the Speaker of the House of Assembly, and the President of the College.

After unsuccessful efforts in 1822-24 and 1829-36 on the part of both the British Government and the Board of Governors to effect a union with King's College, at that time the only other existing in the Province, Dalhousie College went into operation in 1838, with the Rev. Thomas McCulloch, D. D., as President.

In 1841 an Act was passed conferring university powers upon the College, and vesting the appointment of the Governors in the Governor and Council. Two years later President McCulloch died, and in 1845 the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate." From 1849 to 1859 the College funds were employed to support a High School. Toward the end of this period, in 1856, the Arts department of Gorham College, Liverpool, supported by the Congregationalists, was transferred to Dalhousie, "with a view to the furtherance of the establishment of a Provincial University," and for a short time an attempt was made to conduct the institution as a University under the Act of 1841.

The history of Dalhousie College as an institution realizing the purpose of its Founder may be dated from 1863. In that year the College was reorganized under an Act which empowered the Board

of Governors to grant to any body of Christians, or any individual or number of individuals, the privilege of nominating a representative to the Board and a Professor, for every Chair in the College supported by them to the extent of twelve hundred dollars a year. In consequence of this provision, the Presbyterian Church of Nova Scotia closed its academies at Truro and Halifax, and undertook the support of two Chairs; and the Church of Scotland in Nova Scotia, having no institution of its own, endowed one Chair—the Chair of Mathematics. Thus strengthened, the College opened in the autumn of 1863 with a staff of six professors, the Rev. James Ross, D. D., being President. At the death of the incumbents of the two Chairs supported by it, the Presbyterian Church withdrew its support.

In 1879 Mr. George Munro, of New York, endowed the Chair of Physics, and in rapid succession Chairs of History and Political Economy, English Literature, Law and Metaphysics. He also supported Tutorships in Classics and Mathematics, and for ten years provided liberal exhibitions and bursaries. His munificent gifts, aggregating about \$350,000, were at that time unparalleled in Canada.

In 1882 Mr. Alexander McLeod, of Halifax, left the residue of his estate, about \$65,000, to endow the three Chairs now known as the McLeod Chairs of Classics, of Modern Languages and of Chemistry.

The purchase of the old College building by the City and the generous gift of \$20,000 by Sir William Young, for over forty years Chairman of the Board of Governors, led to the erection of a new building on Carleton St., the corner stone of which was laid by Sir William on the 27th of April, 1887. The gifts of Sir William Young to the College, subsequent to its reorganization, exceeded \$68,000.

In 1890 Mr. John P. Mott, of Halifax, left a bequest of \$10,000 to the College.

In 1902 the University received \$2,000 under the will of Professor Charles Macdonald for a library endowment fund.

In the same year the Alumni began a movement to collect funds for the erection of a library building in memory of Professor Macdonald, and obtained contributions of \$25,000 for the purpose. The erection of this building was not begun until February, 1914, being delayed until a new site for the University should be secured. The corner stone was laid by the Rev. Dr. Allan Pollok on April 29th. In the same year Professor Johnson left a number of his books and a bequest of \$1,000 to the library. In 1917 the library received a further endowment of \$1,000, the gift of President A. Ross Hill, of Missouri University, in memory of his deceased wife, née Agnes Baxter, B. A. '91. In 1921 the late Mrs. Elise Stewart Strathie bequeathed to the University \$1,500 as an endowment for the library in memory of her husband, Rev. R. G. Strathie, B. A. '95.

In 1912 a canvass for funds to pay for the purchase of the Studley estate, which had been lately acquired as a new site for the University, and to erect the necessary new buildings and increase the endowment, brought in new subscriptions of about \$400,000. The new home of the University contains more than 40 acres and is beautifully situated on a partly wooded eminence overlooking the



North West Arm. The corner stone of the first of the new buildings, the Science Building, was laid by H. R. H. the Duke of Connaught, on Aug. 15th, 1912. Mr. Andrew Carnegie gave \$40,000 towards the erection of this building on condition that the University set aside a like amount for maintenance. The Science Building and the Macdonald Memorial Library were opened for occupancy in the fall of 1915. A stack, capable of accommodating 125,000 volumes, was added in 1921. In Jan., 1922, a building for the Law School was completed. It is to be used for a time as an Arts Building. The foundations of what is to be the permanent Arts Building have been laid, and a temporary building erected over them to serve as a gymnasium and examination and assembly hall.

Lieut. George W. Stairs, B. A. '09, who fell at Langemarck, bequeathed the sum of \$5,000 to the University.

By the will of Mr. Joseph Matheson, of Lower L'Ardoise, who died in 1915, the University received a legacy of \$15,000.

In 1916 Mr. John Macnab, a life-long friend to the University, died leaving two-thirds of the residue of his estate to the Board of Governors, a portion or all of it at their discretion to be devoted to the extension and maintenance of the library. The amount of this bequest was about \$96,000.

In 1917 Mr. and Mrs. George S. Campbell, by a gift of \$25,000, established a series of valuable scholarships, fully described on page 50. Mr. Campbell, who was for twenty years Chairman of the Board of Governors of the University and one of its greatest benefactors by his unceasing attention to its interests as well as by many financial gifts, died in 1927 and left the reversion of a large portion of his estate to the University.

In 1918 the late Senator William Dennis and Mrs. Dennis founded the Eric Dennis Chair of Government and Political Science in memory of their son Eric who gave his life for his country at the taking of Vimy Ridge. They made provision for giving to the University the sum of \$60,000, the interest on which was to be devoted to the payment of the salary of the occupant of the new chair and to the provision of scholarships and a gold medal in connection with the department.

In 1919 the one hundredth anniversary of the founding of the University was celebrated, having been delayed for a year by the war. As a memorial of this event a canvass was made during 1920 for a fund for endowment and buildings, to be called the Centennial Fund. This campaign resulted in subscriptions for general purposes to the amount of \$439,000, and also the following amounts to be used for the specific purposes mentioned:—

Senator and Mrs. Dennis donated \$40,000 to be added to their previous gift, bringing the foundation of the Dennis Chair to \$100,000, also \$2,000 for the library of Political Science.

W. A. Black, Esq., of Halifax, contributed \$60,000 to endow a Chair of Commerce with special reference to seaborne commerce.

The late Mrs. E. B. Eddy, of Ottawa, made to the University a gift of \$300,000 to erect a Women's Building to serve as a residence and centre for the general interests of the women students. This was the largest single gift which the University had ever received. It was made in memory of Mr. and Mrs. Shirreff, of Chatham, N. B., the parents of Mrs. Eddy, and the building is called Shirreff Hall.

**Dalhousie University.**

By the will of Mrs. Eddy, who died in 1921, the University received in 1930 the sum of \$350,000 on the death of Mrs. E. J. Richardson, a sister of Mrs. Eddy. The University has also received \$70,000 from the residue of the estate.

By the will of the late Mr. J. T. Shirreff, who died on May 25th, 1926, provision was made for the payment to the University on the death of his widow of the sum of \$250,000.

In 1925 the Carnegie Corporation made a grant to the University of \$90,000 to aid in wiping out the deficits incurred by the University since the outbreak of the war, and also an annual grant of \$20,000 for five years to meet prospective deficits during that period. In 1929 this grant was capitalized by a gift of \$400,000.

In 1925 R. B. Bennett, Esq., M. P., of Calgary, added to his many other generous gifts to his Alma Mater, the presentation of the home and grounds of the late Mr. E. P. Allison as a residence for the President of the University.

In 1926 the Carnegie Corporation presented to the University a very valuable Fine Arts teaching collection, consisting of books, photographs, engravings, etchings, prints, textiles, etc.

The Rockefeller Foundation and the Carnegie Corporation, both of New York, contributed \$500,000 each to the University for the furtherance of medical education. Their magnificent gifts make possible a medical centre of the first rank in the Maritime Provinces.

The British Empire Steel Corporation made a promise of a contribution of \$250,000 for the encouragement of scientific research to stimulate the development of the mineral and other natural resources of the Province.

A fund of £4,000 sterling, to be known as the "James Gordon MacGregor Memorial Fund," was provided by the New Glasgow relatives of Professor MacGregor. The object of the fund is to provide a Teaching Fellowship in Physics.

In 1926 Colonel R. W. Leonard, of St. Catherines', Ont., gave to the University the sum of \$35,000. The interest is to be used for The Leonard Science Library of Periodical Literature.

By the will of the late Miss Belle C. Crowe, of Madison, Wis., who died in November, 1925, the University was bequeathed the sum of \$10,000 on the death of her sister. The income from this sum is to be devoted to a Fellowship in Inorganic Chemistry.

In 1928 a gift of \$4,000 was received from the sons and daughters of the late Rev. George Patterson for the purpose of founding, in memory of their father, The Rev. George Patterson, D.D., Travelling Library.

In 1930 Mrs. J. Ross Smith gave \$3,000 to form the beginning of the Ross Stewart Smith Scholarship Fund, in memory of her late son, and stated her intention of making increased provision for the purpose. The scholarships are for Medicine and Science.

By the will of the late Mary Burris, of Boston, who died in 1930, the University was left the reversion of a considerable sum for the foundation of a foreign travelling scholarship.

The Faculty of Medicine was organized in 1868, merged into the Halifax Medical College in 1875, and re-organized as an examining faculty in 1885. In 1911 the University purchased the property of the Halifax Medical College, and undertook the provision of in-

struction in all the subjects of the medical curriculum. After the removal of the Faculty of Arts and Science to Studley in Sept. 1915, the Medical School was removed to the Forrest Building, and the old Halifax Medical College vacated. The group of medical buildings has since been increased by the erection of the Medical Sciences Building, the Out-patient and Public Health Clinic and the Power House, all on the Medical Campus.

In 1914 Dr. D. A. Campbell and Mrs. Campbell endowed the Dr. D. G. J. Campbell Memorial Chair of Anatomy, in memory of their late son, a distinguished alumnus of this University.

The Faculty of Science was organized in 1877, and re-organized in 1891. In 1902 the School of Mines was established. An appeal for funds for the support of this department was made, and subscriptions were received to the amount of about \$60,000. In 1906 the Faculty was divided, the department of Pure Science uniting with the Faculty of Arts to form the Faculty of Arts and Science, and the department of Applied Science becoming the Faculty of Engineering. On the opening of the Nova Scotia Technical College in 1909, the Faculty of Engineering was discontinued.

The Faculty of Law was established in 1883. In this year Mr. George Munro endowed the chair of Constitutional and International Law. To this chair the late Dean R. C. Weldon was appointed and thereafter for 31 years he remained the dean of the Law Faculty. In 1928 a movement to endow a Chair of Law in memory of Dean Weldon was initiated by Hon. R. B. Bennett with a subscription of \$25,000.

The Faculty of Dentistry was organized in 1908, in affiliation with the Maritime Dental College, which, under the auspices of the Dental Association of the Province, provided instruction in the professional dental subjects. In 1912 the Dental College discontinued its work, and instruction in all subjects of the curriculum is now carried on by the Faculty of Dentistry.

In 1911 the Pharmaceutical Society of Nova Scotia received the cooperation of the University in establishing the Nova Scotia College of Pharmacy. The University placed rooms at its disposal and arranged with some of the members of the scientific staff to give some of the instruction. In 1917 the Pharmaceutical Society of New Brunswick joined in the undertaking and the name was changed to the Maritime College of Pharmacy. The University offers the degree of B. Sc. to candidates fulfilling the necessary requirements.

In 1928 the University, with the cooperation of the Biological Board of Canada, established a course leading to the degree of B. Sc. (Fisheries) for the training of scientific men for the advancement of the fishing industry. The general cultural classes and the purely scientific subjects will be given by the staff of the Faculties of Arts and Science and Medicine. The classes in the technical operations of the fisheries will be given by the staff of the Biological Board at their Atlantic Experimental Station for Fisheries on the harbour front. The Dominion Government has established a special clean sea-water Station at the mouth of the harbour for class and research work in Marine Biology.

A close association with King's College was entered into during the summer of 1923, whereby King's moved to Halifax and holds in abeyance its degree-granting powers, except in Divinity. The staffs of the two institutions are combined into a single faculty of Arts and Science, and the students of both institutions are com-

bined for purposes of instruction (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. The new King's College, built on the Studley property, was opened in the summer of 1930.

#### Constitution.

The Board of Governors is the supreme governing body of the University. Appointments to it are made by the Governor-in-Council on the nomination of the Board, or on the nomination, with the approval of the Board, of any body of Christians, or of any individual, or number of individuals, supporting a chair in the College. Any such body or individual is entitled to one representative Governor for each chair so supported. The Board has granted to the Alumni Association the privilege of proposing the names of three members of the Board. An Alumni Representative Governor must resign at the end of three years; he may be appointed to succeed himself; but he cannot hold office for more than six years continuously. On similar conditions, the Alumnae Association have the selection of one member of the Board. The Governors have the management of the funds and property of the College, the power of appointing the President, Professors and other officials, and of determining their duties and salaries, and the general oversight of the work of the University.

The Senate consists of the President and Professors. To this body are intrusted, by statute, the internal regulations of the University, subject to the approval of the Governors. All degrees are conferred by the Senate.

The Faculties consist of the members of the teaching staff in each of the four main domains of study in which courses can be pursued at the University, namely, Arts and Science, Law, Medicine and Dentistry. To them are intrusted by the Senate, subject to its approval, the supervision of the teaching, the preparation of regulations governing courses of study, and the recommendation of suitable candidates for prizes, scholarships, diplomas and degrees.

#### Degrees and Courses.

The degree of Doctor of Laws may be conferred *honoris causa tantum* in recognition of eminent literary, scientific, professional, or public services.

The Senate confers the degrees in course of Bachelor and Master of Arts, Bachelor and Master of Science, Bachelor of Commerce, Bachelor of Music, Bachelor of Science (in Pharmacy and in Fisheries), Bachelor of Laws, Doctor of Medicine and Master of Surgery and Doctor of Dental Surgery. Courses for diplomas in Music, Pharmacy, Household Science, Education, Engineering and Public Health Nursing are also prescribed.

The various Faculties of the University provide the instruction required in the courses leading to the above degrees and diplomas except in Music, in Pharmacy, in Fisheries and in Household Science.

In Music instruction is provided in the literary and scientific subjects required, and the University recognizes as qualifying for a degree or diploma the instruction in professional subjects given by the Halifax Conservatory of Music or other approved institutions.



In Pharmacy the University provides instruction in pure science and recognizes the teaching in professional subjects of the Maritime College of Pharmacy or other approved institutions.

In Fisheries the courses in practical fish curing and culture are given at the Fisheries Experimental Station (Atlantic).

In Household Science the University offers a diploma to students who have completed two years of an Arts and Science course and who have attended and passed in a recognized course in Household Science at the Halifax Ladies' College or other approved institution.

**Engineering Courses.**—A course in Engineering is offered in the Faculty of Arts and Science. This course extends over three years and corresponds to the work prescribed by the Nova Scotia Technical College for admission to the courses for a degree in Civil, Mechanical, Electrical or Mining Engineering. A diploma will be issued to those completing the course satisfactorily.

**Public Health Nursing Course.**—In February, 1920, a course of six months' duration was instituted for graduate nurses intending to take up the work of Public Health Nursing. A diploma will be issued to those completing the course satisfactorily.

**Affiliated Courses.**—By a proper selection of elective subjects in his course, a candidate may reduce by one year the time required for the degree of Bachelor of Arts and a professional degree in Law. Similarly a candidate for the degree of Bachelor of Arts or Bachelor of Science may reduce by one year the time required for the combined degrees in Arts or Science and Medicine.

A candidate for the degree of Bachelor of Arts or Bachelor of Science may shorten by two years a subsequent course for a degree in Engineering.

The University of Oxford exempts from Responsions an undergraduate in Arts of this University who has passed in the subjects 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 examinations candidates who are exempt from Responsions by the University of Oxford.

The University of London exempts Bachelors of this University from the Preliminary Examination leading to the LL. B. degree of that University, and students in Medicine are exempted from the Courses of Study anterior to the First and the Second Examinations for Medical Degrees if they have pursued equivalent courses at this University.

Graduates in law of this University are admitted to the Bar of Nova Scotia without further examination and the Law School is on the registered list of the Regents of the State Board of New York.

The degree in Medicine from this University is recognized as entitling to the privileges usually granted to graduates in Medicine of Canadian Universities. Graduates of this University in Medicine and Surgery who hold the Licence of the Provincial Medical Board may, on application, be placed on the Colonial List of the British Medical Register. The Medical School having been given the rating of Class A by the Council on Medical Education and Hospitals of the American Medical Association, graduates enjoy all the privileges which this confers.

**Affiliated Institutions.****Pine Hill Divinity Hall.**

*Principal*.....Rev. Clarence Mackinnon, M. A., D. D., LL. D.

The classes and examinations in Hebrew 1 and New Testament Greek 1 conducted at this college are recognized as qualifying for the degree in Arts at the University. Arrangements have been made whereby students may reduce to six years the time required to take the degree of B. A. from the University and complete the Divinity course at the Pine Hill Divinity Hall.

**Prince of Wales College.**

*Principal*.....S. N. Robertson, M. A., LL. D.

Students holding High Honour Diplomas of Prince of Wales College, of Charlottetown, P. E. I., are admitted to the Third Year of the B. A. course in Dalhousie, those holding Honour Diplomas to the Second, those holding Certificates or First Class Licences to the First Year.

**Halifax Conservatory of Music.**

*Director*.....Mr. Harry Dean.

The University recognizes the teaching of the Conservatory as part of the qualifications required for the degree of Bachelor of Music and for the Diploma of Licentiate of Music.

**The Maritime College of Pharmacy.**

*Dean*.....Mr. G. A. Burbidge.

The University recognizes the teaching of the Maritime College of Pharmacy as part of the qualifications required for the degree of Bachelor of Science (Pharmacy).

**Halifax Ladies' College.**

*Principal*.....Miss E. F. Blackwood, B. A.

Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts course without further examination. The University recognizes the teaching in Household Science as part of the qualifications for the diploma in that department.

**Convent of the Sacred Heart.**

*Mother Superior*.....Mother Coughlin.

Students who have completed the regular course and received the Diploma are admitted to the Arts course without further examination and may receive Advanced Standing in classes of the first and second years for work done at the Convent.

**Mount St. Vincent College.**

*Mother General*.....Mother Mary Louise.

Arrangements have been made whereby students from this institution may receive Advanced Standing in classes of the first and second years for work done at the College, and instruction in separate classes in the work of the third and fourth years.

**Equipment.****Libraries.**

The University possesses a University Library, the Macdonald Memorial Library, open to all registered students, and the separate Law, 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 contains 64,000 volumes and 12,000 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 about 11,000 volumes, including all the law reports which a student will find it necessary to consult.

The Medical Library, containing about 14,000 volumes, and 3,500 pamphlets, 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.

Besides the libraries in the University, students may use, subject to certain conditions, the following libraries: The Science Library (78,400 volumes and pamphlets), the Legislative Library (30,000 volumes), the Citizens' Free Library (36,900 volumes and pamphlets), the Library of Pine Hill Divinity Hall (23,500 volumes and pamphlets), and the Nova Scotia Barristers' Society Library (18,000 volumes).

A building for the Public Archives of Nova Scotia has been erected on the University grounds adjacent to the Library, through the generosity and public spirit of W. H. Chase, Esq., of Wolfville. The collections which are being accumulated in this building will be of the greatest value to the University for teaching purposes.

**The Museum.**

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

The **Thomas McCulloch Collection** was begun by Dr. McCulloch, first President of Dalhousie. The greater part of it was collected by his son Thomas who was Professor of Natural Philosophy from 1863 until his death in 1865. His brother, Rev. William McCulloch, D. D., of Truro, bequeathed it to the University along with a sum of \$1,600 to form a fund for its maintenance. It 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 houses temporarily also the departments of Geology and Engineering.

**The Forrest Building** on Carleton Street contains the laboratories conducted by the departments of Biology, Histology and Embryology, Anatomy and Dentistry.

**The Medical Sciences Building** on College Street contains the laboratories of the departments of Physiology, Biochemistry, Pharmacology and Hygiene.

**The Out-patient and Public Health Clinic** building on Morris Street was opened in November of 1924. It marks the beginning of a new departure in the training of men for the practice of medicine. The Halifax Dispensary and Halifax Welfare Bureau have moved to this building and continue their activities from that centre. The Victorian Order of Nurses uses it also as a sub-station for certain of its activities.

#### ADMISSION.

**The attention of students entering the Faculty of Arts for the first time, whether in the First or Second year, is called to the fact that registration for such students takes place on September 21st and 22nd and that special lectures for them begin on September 23rd.**

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. For details of admission to the professional courses see pp. 15-16.

**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 those 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 must submit evidence, such as a certificate from the school last attended, that he has a satisfactory knowledge of English and that his other acquirements 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 this 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 September 22nd to 25th, 1931. For the time-table of the examinations see the University Almanac.

No fee is charged for a matriculation examination in September until after the student's second year of attendance.

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

*The last day for receiving applications for the examinations held at the University for the session of 1931-1932 is Saturday, Sept. 19th, 1931. 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, (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. Com. and B. Sc. degrees,** (5) Physics or Chemistry, (6) and (7) two foreign languages, (8) an elective;

**For the B. Mus. degree,** (5) Physics or Chemistry, (6) French, (7) German, (8) an elective;

**For the M. D., C. M. and D. D. S. degrees,** (5) Physics, (6) Chemistry, (7) Latin, (8) French or German or Greek.

**For the requirements for the Engineering Course** see p. 44.

### Requirements in each subject.

The requirements in each of the subjects specified above are as follows:

**English.—Language:** Grammar, analysis, parsing. *Composition:* An essay on one of several set subjects to be selected from—Macaulay: *Warren Hastings, Samuel Johnson.* Shakespeare: *Merchant of Venice, Julius Caesar.* Longfellow: *Evangeline.* Scott: *The Lady of the Lake.* Stevenson: *Kidnapped.*

Questions on the interpretation of a passage not specified, to test general intelligence.

*Note.*—The essential part of this examination is the essay. Legible writing, correct spelling and punctuation will be considered indispensable. Skill shown in sentence and paragraph construction will be awarded high marks. Not more than two of the works named need be read. They should be read primarily for the

story, and need not be studied minutely, as a choice is allowed among at least six themes selected from the works named.

**British History.**—General outlines, as in *Ontario High School History of England*; or Tout: *History of England, from the earliest times to the death of Queen Victoria*; or Ransome: *Short History of England*.

**Ancient History.**—General outlines, as in Webster: *Ancient History*; or Myers: *A short History of Ancient Times*.

**Algebra.**—Equations of the first and second degrees, indices, ratio and proportion, theory of quadratic equations, factor theorem, surds, as discussed in any high school algebra.

**Geometry.**—The straight line, triangles, quadrilaterals and pentagons in their relation to circles, the subject matter of the first four books of Euclid, as discussed in any high school geometry.

**Trigonometry.**—Up to and including formulae relating to the sum and difference of two angles, the solution of equations and of right-angled triangles, as in any elementary trigonometry.

**Latin.**—The paper will contain, (1) passages for translation from prescribed books with questions arising out of those books; (2) easy passages for translation from books not prescribed; (3) questions on grammar, accidence and elementary syntax; (4) translation of easy sentences from English into Latin.

The books prescribed are: Caesar: *Gallic War*, Book I; and Vergil: *Aeneid*, Book I.

**Greek.**—As under Latin.

The book prescribed is Xenophon: *Anabasis*, Book I (Ch. 1-8).

**French.**—*Ontario High School French Grammar*, to the end of Lesson LXXXIII, Manley: *Eight French Stories* (Allyn & Bacon). Easy sight translation from French into English and from English into French.

**German.**—Lang and Needler: *High School German Grammar* (Ryerson, Toronto), to end of page 109, with corresponding grammatical explanations. *Glück Auf, A First German Reader* (Ginn). Bagster-Collins: *A First German Reader* (Holt), pages 1 to 44. Easy sight translation from German into English and from English into German.

**Chemistry.**—The extent of knowledge expected is such as may be gained from Evans' *Elementary Chemistry for High Schools*, or other text book of similar grade.

**Physics.**—Such text-books as *The Ontario High School Physics and Laboratory Manual*, Gage's *Introduction to Physical Science*, and Mann and Twiss' *Physics* will indicate the grade of instruction required.

Instead of the authors and books in languages given above, a candidate, if he so desires, may be examined on others recognized as equivalents (except in the case of candidates for the Entrance Scholarships); but application for this privilege must be made at least two weeks in advance.

Candidates who pass in four or more subjects, but not in all, on any one occasion, will be given credit for such subjects; and may complete their Matriculation by passing the remaining subjects on any subsequent occasions.

#### **Certificates Exempting from Examination.**

Candidates who hold one or more of the following diplomas, licences or certificates will be exempted from the above examinations in such of the above subjects as were included in the examinations by which such diploma, licence 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) Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland;
- (c) High School Certificates of Grades XI or XII of Nova Scotia;
- (d) 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;
- (e) Grammar School, or Superior (except in Latin), or First Class Licences of New Brunswick;
- (f) Equivalent Licences or Certificates issued by Education Departments of other Provinces;
- (g) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (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 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 Political Science and any four classes to be chosen from the following—Latin, French or some other foreign language, History, Logic and Psychology, Economics, Political Science, 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 Latin, and must have attended and passed in ten classes in the Faculty of Arts and Science, namely, English 20, History 20,

Mathematics 1, Chemistry 1A, 2A, 4, Physics 1, 20, Biology 1 and Zoology 3, or must be exempted by certificates covering equivalent work done elsewhere. The course in Medicine is one of five years subsequent to such admission.

A person entering upon the study of Medicine for the purpose of qualifying himself to practise in the Province of Nova Scotia must also satisfy the Preliminary Requirements of the Provincial Medical Board, and have his name entered in the Medical Students' Register kept by the Board. These Preliminary Requirements are completely covered by the requirements of the University, but intending students are advised to apply for information to the Registrar of the Board, Dr. W. H. Hattie, Halifax, N. S.

**Faculty of Dentistry.**—The requirements for admission are the same as those for Medicine given above. The course in Dentistry is one of four years subsequent to such admission.

A student intending to practise his profession in Nova Scotia, in addition to satisfying the University Matriculation requirements, must register with the Provincial Dental Board.

### 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, p. 29. See also the terms of affiliation with Prince of Wales College, p. 8.

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

#### Admission ad 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.

#### Admission ad Eundem Gradum.

A graduate of a University approved by the Senate, who has received his degree in course, may be admitted *ad eundem gradum* in this University on producing satisfactory evidence of good character and academic standing, and on payment of the required fee, provided the applicant is pursuing a course of study or research in this University, or is associated with the academic work of the University.

### 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 registers.

#### Health.

The University has arranged for the establishment of a Students' Health Service including a required

medical examination at the beginning of the session. For this service an annual fee of \$5.00 will be charged. Detailed regulations will be published on the opening of the University.

All students entering the University who cannot submit certificates 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.

Any student wishing to engage in competitive athletics may be required at any time to submit to a medical examination, and the extent to which he will be permitted to engage in such will be determined by the advice of the physician.

All students are expected to carry out the instructions of the physician to the fullest extent possible. Failure to do so will be regarded as a breach of University discipline.

Students resident in Halifax or the immediate vicinity who do not engage in competitive athletics will be exempted from participation in the Health Service if they submit, at the time of registration, a satisfactory physician's certificate relative to health on a form provided by the University. All other students, except those who have completed two years of the medical course, are required to participate.

### Residence.

All students are required to report their place of residence to the University Office on or before October 20th.

Shirreff Hall, the Women's Building of the University, the gift of the late Mrs. Eddy, will accommodate about one hundred students. All women students not living with parents or close relatives must live in residence, except in very unusual circumstances. Applications for rooms may be made through the Registrar's Office.

The dormitories of Pine Hill Divinity Hall of Halifax are usually available for students of Dalhousie University to the extent of the accommodation not needed by Pine Hill Divinity Hall for its Divinity students. For information and reservations application should be made to the Principal, Pine Hill Divinity Hall, Halifax, N. S.



The Secretaries of the Men's and Women's Branches of the Student Christian Association will arrange to have someone meet at the train any student coming to Halifax for the first time, if notified in advance of the time of arrival, and will assist in finding boarding places. They can be addressed after September 15th in care of the University.

#### **Church Attendance.**

All students not residing with parents or guardians are required to report to the University Office on or before October 15th the churches which they intend to make their places of worship during the session. Intimation will be made to the various clergymen of the city of the names and addresses of the students who have chosen their respective places of worship.

#### **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. Since the formation of the Council of the Students in 1912, that body holds an investigation and reports its finding to the Senate for action and may recommend penalties to be inflicted.

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. Particular attention is called to the regulation number 7 on page 46 covering the case of students in the Arts and Science Faculty who fail at the Christmas Examinations.

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

#### **Non-Academic Student Activities.**

Students representing the University in non-academic activities must be in good standing. Those who are ineligible for such representation are as follows:

(a) Students on probation in any Faculty. (b) Students registered for less than nine lectures per week, a period of two laboratory hours being regarded for this purpose as equivalent to one lecture. (c) Students who have failed to pass in at least half their classes in the last sessional or midsessional examinations. (d) Special students during their first term of attendance.

### 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., and at certain times during the evening and on Saturday afternoon.

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.

### Loan Funds.

A Students' Loan Fund was started by the gift of \$1,000 for the purpose from the Chronicle Publishing Co., Limited, of Halifax, and has since been increased by other gifts to about \$3,000. It is hoped that other donations will be made to the fund for this desirable purpose.

An application for a loan will be considered only from a student of Undergraduate standing who has attended the University for at least one year, has the approval of the Dean or corresponding university officer of his Faculty as to general academic standing, and is of good standing among his fellow students. The loan to any student shall not exceed \$100 in any one year, nor \$300 in total amount. A loan shall bear interest from the

date of the student's graduation, or, in case the student does not continue his course, from the date of his last attendance. A loan is repayable within one year from the time it begins to bear interest.

The Alumnae Association Loan Fund is available to women students on similar terms, except that a final year student may be granted a maximum of \$200. Apply to Mrs. J. B. Hayes, 24 Walnut Street, Halifax.

A Loan Fund, available for students of Dalhousie University of Irish descent, has been created by the Charitable Irish Society of Halifax. Loans will be granted by the Society on terms similar to those outlined above. For further information apply to the President.

#### **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 ten dollars, depending upon the class taken, on registration. 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.

#### **Unclaimed Deposits.**

Balances of Caution and Laboratory Deposits left unclaimed three years will be applied to the purchase of books for the University Library.

#### **Fee for support of Student Organizations.**

At the request of the student body, as expressed by a ballot taken on the question and presented through the Council of the Students, a fee not exceeding \$10.00 may be collected on registration from each student who takes more than two classes. This fee entitles the student to the privileges of any or all of the following student organizations: Dalhousie Amateur Athletic Club,

Dalhousie Skating Club, Delta Gamma Society, Dalhousie Dramatic Club, Sodales, and to a copy of the Dalhousie Gazette. A student taking less than three classes and desiring to take part in one or more of the above organizations must pay this fee.

### Academic Costume.

Undergraduates, Matriculants and Special Students attending more than one class are entitled to wear gowns at lectures and all meetings of the University. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves, and the black trencher with tassel.

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 fur.

M. A.—Crimson silk.

B. Sc.—White silk bordered with scarlet silk.

M. Sc.—Scarlet silk.

B. Com.—White silk bordered with light blue silk.

B. Mus.—White silk bordered with lavender silk.

LL. B.—White silk bordered with gold coloured silk.

M. D., C. M.—Scarlet silk bordered with white silk.

D. D. S.—Scarlet silk bordered with gold coloured silk.

LL. D.—Purple silk.

Doctors of Laws shall be entitled to wear gowns and hoods of black silk.

### 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.

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 58.

# Faculty of Arts & Science

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## 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. 17, *et seq.*

### Academic Year.

The Academic Year consists of one session of about thirty-two weeks' duration. The session of 1931-32 will begin on Monday, September 21st, 1931, and end on Tuesday, May 10th, 1932.

### 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 Commerce (B. Com.) and Bachelor of Music (B. Mus.), and to the Diploma of Licentiate of Music (L. Mus.). A course in Engineering, extending over three years, is prescribed for students who look forward to 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.

A diploma is offered also for the successful completion of a course in Household Science; and the University provides courses required for the Diploma in Education and for the Diploma in Pharmacy issued by the Maritime College of Pharmacy (See page 41).

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.

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†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 University 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. See page 29.

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. See page 42.

The course of study for the Degree of Bachelor of Commerce extends over four years. See page 38.

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. See page 39.

#### 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 or Economics 1, Philosophy 1, Mathematics 1 or 1C.
- (v) One class in either Physics or Chemistry.
- (vi) One class in Physics or Chemistry or Biology 1 or Geology 1.
- (vii) Nine other classes, selected from the following list, such that at least seven are included in not more than three of the departments, I to XX (see p. 59 *et seq.*)

Latin	Economics	Physics
Greek	Sociology	Chemistry
Biblical Literature	Political Science	Geology
French	Philosophy	Biology
German	Psychology	Physiology
Spanish	Education	Histology
English	Mathematics	Embryology
Fine Arts	Music	Bacteriology
History	Mechanics	Biochemistry

For details of subjects studied in the above classes see Courses of Instruction, p. 59, *et seq.*

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 7th, 1931.

#### Affiliated Courses.

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

**A. For Divinity.**—By an arrangement with Pine Hill Divinity Hall, of Halifax, the classes in New Testament Greek and Hebrew conducted in that institution can be offered for the three electives referred to above by students intending to go forward to the study of Divinity there.

By an arrangement with King's College, Halifax, the class in New Testament Greek and two of the following three classes, Hebrew, Biblical Literature and Ecclesiastical History, conducted by the Divinity Faculty of that institution, can be offered for the three electives referred to above by students intending to go forward to the study of Divinity there.

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

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

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

Students whose course has included Physics 1, 20, Chemistry 1A, 2, 4, Biology 1, 2, Physiology 1, Biochemistry 1, Histology and Embryology and who take Anatomy 1 and Practical Anatomy as extra classes may complete a subsequent course in Medicine at this University in four years.

An undergraduate who elects group C, and also includes in his Arts 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 D, 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 45). 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, or wish to be eligible for first or second year Scholarships, 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, Political Science.

\*Students looking forward to securing a teacher's licence should select Philosophy.



**Third and Fourth Years.**

The remaining required classes and elective classes from the subjects specified on page 24.

**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. Two classes in Foreign Languages.

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

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

(iv) Ten other classes, such that at least seven are included in not more than three of the departments of Science and Mathematics.

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 7th, 1931.

**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, 3, Surveying 1, 2, 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.

Students whose course has included Physics 1, 20, Chemistry 1A, 2, 4, Biology 1, 2, Physiology 1, Biochemistry 1, Histology and Embryology, and who take Anatomy 1 and Practical Anatomy as extra classes may complete a subsequent course in Medicine at this University in four years.

**B. For Pharmacy.**—By arrangement with the Maritime College of Pharmacy, classes in Pharmacy, Materia Medica and Dispensing may be offered for three classes in Group (iv) above, by those pursuing the study of Pharmacy.

Such students must include among their electives Biochemistry 1, Physiology 1 and Bacteriology 1; they will be exempted from the requirement in Drawing.

**C. For Fisheries.**—By arrangement with the Biological Board of Canada, Fisheries 1, 2, 3 and 4, together with any summer course which may be given, may be offered for three classes in Group (iv) above by those pursuing the study of Fisheries.

#### Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding Admission to Classes (page 45). 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 or wish to be eligible for first or second year Scholarships, should consult the Registrar early in their course about the right order of classes for the purpose.*

#### First Year.

1. A class in foreign languages.
2. An elective.
3. English 1.
4. Mathematics 1 (including Drawing 1B).
5. Physics, or Chemistry 1A or Biology 1.

#### Second Year.

1. English 2.
2. A class in foreign languages.
- 3, 4, 5. Three Science classes.

#### Third and Fourth Year.

The remaining required classes and elective classes from the subjects specified on page 27.

**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 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

\*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.

special excellence shown in the classes of the Ordinary course. The award of such degree is based upon the Class Distinctions (page 48) 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.

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 25 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, English 1, Chemistry 1, Physics 1, 2, Mathematics 1, 1C.

**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 Sociology, Political Science, (vi) Philosophy, (vii) Mathematics, (viii) Physics, (ix) Chemistry, (x) Geology and Geological Chemistry, (xi) Biology. 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.

Two Honour courses are offered in the Department of Classics, as follows:

#### 1. Latin and Greek.

**Preliminary Classes.**—Latin 1 and 2, 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. In the final award the standard of attainment reached in Latin 3 and 4, and Greek 3 and 4 will be taken into consideration. In the special Honour examinations candidates will be required to show:

A. A critical knowledge of the books prescribed in Latin 5 and 6 and Greek 5 and 6.

B. Ability to translate from English into Latin prose and into Greek prose.

C. A general knowledge of the history of Latin literature and of Greek literature with a more minute knowledge of the lives and writings of the authors prescribed.

Text Books: Latin Literature: Mackail; Duff. Greek Literature: Jebb; Jevons; Haigh; *Attic Theatre*.

D. Ability to translate at sight passages from Latin works and Greek works not prescribed.

## 2. Latin.

### Preliminary Classes.—Latin 1 and 2.

Candidates taking the Honour Course in Latin are required to take Latin 3, 4, 5, 6, 7, and 8 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for the degree. They are further required to pass in Greek 3 or 4 before they shall be recommended for Honours. In the final award the standard of attainment reached in Latin 3 and 4 will be taken into consideration. In the special Honour examinations candidates will be required to show:

A. A critical knowledge of the books prescribed in Latin 5, 6, 7 and 8.

B. Ability to translate from English into Latin prose; and ability to translate at sight passages from Latin works not prescribed.

C. A knowledge of the history of Latin Literature as in Mackail and Duff, and a knowledge of Ancient Life as in: Tucker: *Life in Ancient Athens*. Fowler: *Social Life in the Time of Cicero*. McDaniel: *Roman Private Life*.

D. A knowledge of Ancient History: Greek, 5th and 4th centuries B. C.; Roman, 240 B. C. to 138 A. D.

## II. Latin and English.

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

#### English.

The historical development of the language and literature to the year 1800. 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 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; King Lear; Macbeth; Antony and Cleopatra; Coriolanus; Timon of Athens; The Two Noble Kinsmen*.

**Books recommended:** Sidney (ed. Cook's Ginn). Hooker, (ed. Church, Clarendon Press). Bacon: *Advancement*, (ed. Wright Clarendon Press); *Essays* (ed. Wright, G. T. Series). History of Literature: Ten Brink, Saintsbury, Brooke, Mermaid, Temple Dramatists, 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, 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, Political Science. (See below).

**V. History, Economics and Sociology, Political Science.**

Candidates desiring to take the Honour course in two of these departments and to complete the work for a degree in four years must take the preliminary 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.

In addition to the written examinations students will be given an oral examination by a committee selected by the departments concerned.

**Preliminary Classes.**—History 1, Economics 1, Political Science 1.

**History.**

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



- A. 1. A Period in Greek History.  
2. A Period in Roman History.
- B. 1. A Period in English History prior to 1603.  
2. A Period in English History since 1603.
- C. 1. A Period in Mediaeval European History.  
2. A Period in Modern European History.  
3. Another Period in Modern European History.
- D. 1. Canadian History to 1763.  
2. A Period in Canadian History since 1763.

#### Economics and Sociology.

Section C is obligatory together with one subject from Section A, and two other subjects chosen, with the consent of the Department, from Section B.

- A. 1. Economic Theory and its History.  
2. Sociological Theory and its Development.
- B. 1. International Trade and Tariffs.  
2. Money and Banking.  
3. Public Finance.  
4. Labour Problems.  
5. Economic Problems of Canada.  
6. Economic History.  
7. Programmes of Social Reconstruction.  
8. Social and Vital Statistics.  
9. Population Problems.  
10. Social Legislation in Canada.
- C. A paper on a subject approved by the Department.

#### Political Science.

Four subjects, one from each of the following groups;

- A. A period in Constitutional History of England.  
Government of Great Britain.  
Imperial Relations.  
Government and constitution of Canada.
- B. International Organization.  
History of International Relations since 1919.  
International Law.
- C. History of Political Theory.  
Contemporary political theories.  
Representative Government.
- D. A paper on a topic related to one of the fields chosen from the above for examination, or a fourth field chosen in consultation with the Department.

The Department reserves the right to require a student to take such courses in other Departments as are considered necessary in his or her particular case.

## 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*. McDougall: *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*; *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.**—Gomperz: *Greek Thinkers*. Adam: *Religious Teachers of Greece*. Plato: *Republic*, Books I-III, V, VI, VII. Aristotle: *Ethics*, I-III, VII, X.

## VII. Mathematics.

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

classes in Physics or Mathematical Physics approved by the department of Mathematics for that purpose.

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

#### Pure Mathematics.

Any four of the advanced classes in Mathematics specified under Courses of Instruction. (p. 73).

### VIII. Physics.

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

The special Honour examinations will be set to test (1) the student's 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 work up some part of the subject without the aid of lectures.

### IX. Chemistry.

**Preliminary Classes.**—Chemistry 2 or 3 and 4, Physics 1, Mathematics 1, 2 and 3. One class in German is required; two are recommended.

In order to complete this course in four years, it is necessary to take Mathematics 1, 2 and 3, Physics 1, Chemistry 1A, 2 or 3 and 4 in the first and second years; and Physics 4 and 6, 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 exceptional skill in some special branch of laboratory work. The standard of attainment shown in Physics 4 and 6 (Distinction

courses), and in 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 Analytical Chemistry.
- B. Organic Chemistry.
- C. History of Chemical Theory and Physical Chemistry.
- D. Practical Chemistry.

### X. Geology and Geological Chemistry.

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

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.

### XI. Biology.

**Preliminary Classes.**—Chemistry 1, Biology 1.

Candidates taking the Honour Course in Biology are required to take Chemistry 2 and 4, Physics 1, and the following classes:—One of Biology 2, 3; one of Biology 12, 13; Biochemistry 1; Biology 25; and three other classes in Biology to be approved by the Department. Supervised field work under the direction of the Department is also required.

#### 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, Commerce 2, 4, Biology 1 or Chemistry 1 or Physics 1, Economics 3 or Commerce 10.

**Third and Fourth Years.**—Philosophy 1, History 1 or Political Science 1, French 10 or German 10 or Spanish 10, Commerce 5, 7, 8, Economics 3 or Commerce 10 and five other classes selected from the departments of Economics and Commerce.

### Course for 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, organ, 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 knowledge of French and German equivalent to French 1 and German 1.

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

#### 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. 12).

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 28th, the application being accompanied by the proper fee (see p. 57) 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 Course.**

Students of Pharmacy may obtain the degree of B. Sc. (Pharmacy) by taking certain classes in the Faculty of Arts and Science in addition to the classes in the purely Professional subjects. See page 28.

#### **Other Pharmacy Courses.**

The Maritime College of Pharmacy, with the cooperation of some members of the staff of the Univer-

sity, offers two other courses in Pharmacy, a Short Course for Pharmacy Clerks, and a Qualifying Course required of those who desire to become Registered Pharmacists in Nova Scotia, and a Special Course for those who desire to become Registered Pharmacists in New Brunswick. These courses are carried on in the University buildings, and the students are subject to University regulations and discipline.

The Short Course for Pharmacy Clerks is intended to prepare the student for the Certified Clerks' Examination of the Nova Scotia Pharmaceutical Society. It is expected that students will have a general education at least equal to that of Grade X. Attendance on this course is prerequisite to the Qualifying Course.

The Qualifying Course begins on Wednesday, Sept. 23rd, 1931, and ends with the University session. The matriculation requirements are the same as those for the M. D., C. M. and D. D. S. degrees. (See page 12). The course, which covers two years and includes Chemistry, Botany and Microscopy, Materia Medica, Pharmacy, Prescriptions and Dispensing and Economics, is designed to prepare the student to pass the final licensing examinations of the N. S. Pharmaceutical Society. A diploma is granted for the satisfactory completion of this course.

The Special Course, suitable for New Brunswick students, covers one year and includes the subjects required for the Final Pharmacy Examinations of that Province. Students must have passed the "General Subjects" Examination of the N. B. Board of Pharmacy Examiners. This course begins Sept. 23rd, 1931.

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

#### **Course in Fisheries.**

A student may obtain the degree of Bachelor of Science (Fisheries) by taking certain classes in the Faculty of Arts and Science in addition to the purely professional classes. (See also Affiliated Courses page 28).

#### **Master of Arts and Master of Science.**

A candidate for the degree of Master of Arts or Master of Science must hold the corresponding Bache-



lor'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 by the candidate in writing, 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 be 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 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 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.

For admission the student must have ordinary Arts matriculation in English, History, Algebra, Geometry, Physics or Chemistry, a foreign language, and one other matriculation subject, preferably Trigonometry. The course is one requiring three years, namely:

**First Year.**—English 20 or 21, Mathematics 1, Chemistry 1A, Drawing 1, French 1 or German 1 or Latin 1, Surveying 1, Shopwork.

**Second Year.**—English 21 or 20, Mathematics 2, 4, Physics 2, Drawing 2, Surveying 2, Economics 1.

**Third Year.**—Mathematics 3, Physics 3, Chemistry 2A, Mechanics 2, 3, 4, 5, Drawing 3.

The course in Shopwork, of about three weeks' duration immediately preceding the regular session, is given by the Nova Scotia Technical College in its own work shop. In lieu of this requirement, practical experience in industry is accepted if it is closely related to the branch of engineering to be followed.

The Surveying Camp conducted under the auspices of the Nova Scotia Technical College on the

grounds of the Agricultural College, Truro, must be attended by all students who contemplate taking the class in Surveying during the following session.

If the degree sought is in Mining Engineering, Geology 1 should be added to the course prescribed above in the third year.

Engineering students may obtain the degree of B. Sc. by taking certain Arts classes in addition to those specified above, see page 27.

#### **Diploma in Household Science.**

This diploma will be granted to candidates who have completed a course of four years including the work in Household Science conducted at the Halifax Ladies' College covering a period of two years and the following ten classes in the Faculty of Arts and Science: English 1, 2; French 1, 2, or German 1, 2; Chemistry 1; Biology 1; Economics 4; History 1; Sociology 1 and Fine Arts.

#### **Diploma in Education.**

Students who have been recommended by the University to the Nova Scotia Department of Education for a teacher's license (see below), are eligible to receive a Diploma in Education on application to the University.

#### **Teacher's Licence.**

Students who have included in their course for the B. A. or B. Sc. degree Education 1 and two of the classes Sociology 1, Economics 1 and Political Science 1, and who have taken in addition Education 2 and Physical Training will be recommended to the Nova Scotia Department of Education for a licence of the First Class or Superior First Class.

### **General Faculty Regulations.**

#### **Admission to Classes.**

1. Candidates for a degree must pass the Matriculation examinations (pp. 11-14). 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.

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. 59 *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, and if they have failed in more than two

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

thirds of their classes their work during the session shall not be recognized as qualifying for a degree and they shall be advised and, in extreme cases, may be required to discontinue attendance at the University for the remainder of the session.

### **Class Work and Attendance.**

In order that their class work may be recognized as qualifying for a degree or diploma, candidates must conform to the following requirements:

1. All students are required to attend the classes of their prescribed course regularly and punctually.

2. 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.

3. 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.

4. When the work of a student becomes unsatisfactory or his attendance irregular he will be reported to the Committee on Studies who may require him to discontinue attendance in the class or classes concerned and to be excluded from the examinations.

5. 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.**

For the purpose of examination the session is divided into two terms, the separation occurring at the Christmas vacation.

In all classes other than purely laboratory classes, two examinations, at least, are held, the Christmas examinations at the end of the first term, 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 passed in at least half of his classes and has otherwise fulfilled the requirements in class work stated on page 47, 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

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\*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.

in that class, and not merely the work of the first or second term.

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 August 19th, the fee (see p. 57) to be remitted with the notice.

### Aid Funds.

#### **The Elizabeth McKenna Scholarship Fund.**—

This Fund was instituted in 1928 by Mr. James D. McKenna, of Sussex, N. B., to commemorate the seventieth anniversary of the marriage of his parents, Peter and Elizabeth McKenna, of Dartmouth, N. S. For the present one Scholarship of the value of \$200 will be open to award. It is tenable for one year by a student intending to enter the Faculty of Arts and Science. Applicants must be bona fide residents of one of the Maritime Provinces and in need of financial assistance. Applications, accompanied by certificates showing worthiness, financial circumstances and academic qualifications, must be submitted before September 1, 1931.

**University Aid Fund.**—This Fund has been established to provide assistance toward the payment of tuition fees for those desiring a university education and in need of financial assistance for that purpose. Applications accompanied by certificates showing worthiness, financial circumstances, and academic qualifications must be submitted before September 1, 1931.

**The Leonard Foundation**, created by Lieut.-Col. and Mrs. R. W. Leonard, of St. Catharines, Ont., has established a number of Scholarships, tenable at certain specified colleges, of which Dalhousie is one, for selected students of certain defined classes. For detailed information address the President.

**Prizes and Scholarships.**

*The Senate reserves to itself the right of withholding Medals, Prizes and Scholarships, in cases in which sufficient merit is not shown.*

*The annual payment of any Scholarship or Bursary is made in two instalments, on October 15th and February 1st, the latter payment being conditional on the holder having made satisfactory progress in his classes.*

**OPEN TO STUDENTS IN ARTS AND SCIENCE.****Halifax City Free Scholarships.**

The University offers each year to the Halifax Academy, to Bloomfield High School and to St. Patrick's High School for Girls, a Scholarship exempting the holder from tuition fees to a maximum amount of \$125 per year. These Scholarships are tenable for four years, conditional upon the scholar pursuing a course in Arts or Science leading to a degree and reaching the grade of Distinction in at least two classes in each year. They are not payable during the year in which the holder is in receipt of another scholarship.

Candidates must have completed Matriculation, and reached a grade of scholarship represented by an average of 65 with no mark less than 50 on papers written in Grade XI examinations on Matriculation subjects, or the mark of Distinction on papers written in the Matriculation examinations, and must satisfy the Committee of Selection that they are deserving of financial assistance.

The University has the following funds available for Scholarships to be awarded to candidates standing highest in the Matriculation and First Year Sessional Examinations:

**The Sir William Young Fund.**—This fund was left by Sir William Young for the purpose of endowing Scholarships, and amounts to \$4,000.

**The Mackenzie Bursary Fund.**—Mrs. Harriet Mackenzie Morrison, of Stornoway, Scotland, daughter of Rev. Kenneth Mackenzie, of Pictou County, bequeathed £1,000 to the University in 1887 to be used as a Bursary Fund.

**The University or Professors' Scholarships Fund.**—The University has set aside funds sufficient to produce an income of \$400 per year for Scholarships to take the place of those offered in the earlier days by individual professors who received their class fees as part of their salaries.

**The George H. Campbell Memorial Scholarships Fund.**—In 1917 Mr. and Mrs. George S. Campbell gave the University the sum of \$25,000 to commemorate their only son, George Henderson Campbell, B. A. '15, who enlisted for overseas service during his senior year, and was killed while on duty at the front.

**The Robert Bruce Fund.**—The University receives one-seventh of the income from a bequest of \$57,500 by Robert Bruce, of Quebec, to be used for Scholarships and Bursaries.

The income from these funds is applied as follows:—





B. Awarded on the results of other examinations:

**Pictou Academy Scholarship.**—In recognition of the common origin and close relation existing between Dalhousie University and Pictou Academy, the University, in 1917, on the occasion of the hundredth anniversary of the Academy, established a Scholarship of the value of \$100 to be held during his first year of attendance at this University by the winner of an Academy Scholarship recommended by the Academy for this purpose. If such person stands also highest among the Academy students in the Grade XII examinations, the scholarship will be increased to \$200.

**Prince of Wales College Scholarship.**—A Scholarship of \$200 annually has been established to be given to the student who stands highest in the third year examinations of Prince of Wales College, Charlottetown, and who enters the Faculty of Arts and Science of this University.

**Memorial University College Scholarship.**—A Scholarship of \$200 annually has been established to be given to the student who stands highest in the second year examinations of the Memorial University College, Newfoundland, and who enters the Faculty of Arts and Science of this University.

#### First Year Scholarships.

These Scholarships are seven in number, as follows:

3 George H. Campbell Memorial Scholarships, of.....	\$200 each
2 University Scholarships, of.....	100 each
*1 Mackenzie Scholarship, of.....	100
†1 Bruce Scholarship of \$85, tenable for three years..	255

\*(In the awarding of this Scholarship, candidates of the name of Mackenzie, MacLean or Fraser will be given the preference).

†(Preference will be given to students of Scottish extraction).

They are open only to Undergraduates who are just completing the first year of the course in Arts or Science, and are tenable for one year (except the Bruce Scholarship) and are payable in two equal instalments, on October 15th and February 1st, the latter payment being conditional on the scholar having made satisfactory progress in his classes. In case a sufficient number of candidates are not eligible for these Scholarships, they may be awarded to other students who are of sufficient merit.

They are awarded on the results of the Sessional Examination returns in the following classes: English 1, Mathematics 1 or 1C, Chemistry 1 or 1A or Physics 1 or 2, and any two of the four classes, Latin 1, Greek 1, French 1, German 1.

#### Second Year Scholarships.

**The Allan Pollok Scholarship.**—This Scholarship was instituted by the North British Society of Halifax, in memory of the Rev. Dr. Allan Pollok. It is of the value of \$200 and will be awarded annually without restriction as to sex, age or nationality to the student attaining the highest standing in the five classes which may be considered as constituting a normal second year course in Arts, namely, (a) English 2, (b) Latin 2 or Greek 2, (c) a class in

Mathematics or Science, (d) a class in History, Economics, Philosophy or a foreign language, (e) another class. The Scholarship can not be held along with the N. B. S. Centennial Bursary, or the Jotham Blanchard Bursary. It will be tenable in the third year of the Arts course.

**The North British Society Centennial Bursary.**—A Bursary, of the annual value of \$100, founded by the North British Society of Halifax, will be awarded biennially. Candidates must be undergraduates in a course in Arts or Science who are just completing \*two years of residence, and must satisfy the test of racial eligibility for membership in the North British Society. The Bursary will be awarded to the candidate standing highest in the examinations in any five classes selected by himself from the following: (a) English 2; (b) two from Latin 2, Greek 2, French 2, German 2, (c) two other classes. It is tenable for two years, namely, during the third and fourth years of residence. The next award will be made in May, 1932.

**The Jotham Blanchard Bursary.**—This Bursary, being the interest of an endowment of \$1,000, founded by the New Glasgow Literary and Historical Society in memory of Jotham Blanchard, an honoured name in the annals of Pictou County, will be awarded biennially on the same academic conditions as the North British Society Centennial Bursary. It is tenable during two years, namely, during the third and fourth years of residence. The next award will be made in May, 1933.

**Commercial Club Scholarship.**—The Commercial Club of Halifax has offered a Scholarship of \$100 to the student of the second year of the course in Commerce who has attained the highest standing in his classes.

**The Bruce Bursary.**—A Bursary of \$100 tenable during the third year of the Arts and Science course will be awarded to a student "of promising abilities but of straitened circumstances."

### Third Year Scholarships.

**Commercial Club Scholarship.**—The Commercial Club of Halifax has offered a Scholarship of \$100 to the student of the third year of the course in Commerce who has attained the highest standing in his classes.

**The Khaki University Scholarships.**—From the Khaki University and Young Men's Christian Association Scholarship Fund, amounting to \$6,500, which was received from the trustees of the Khaki University, Scholarships of the value of \$100 each, two in number, will be awarded to third year students in Arts and Science to be held during their fourth year. The award is based on scholastic attainments but preference is given to men or women who have served overseas, or to their children.

**The Hugh Graeme Fraser Memorial Prize in Advanced Chemistry.**—This award has been founded by members of the Class of 1931 upon their graduation, both as their graduation gift to the University and in order to perpetuate the memory of their brilliant and highly respected and beloved classmate who

\*For students who have been admitted by certificate to the second year read "one" for "two."

### Faculty of Arts and Science.

lost his life while engaged in laboratory work in the final year of his Honour Course. The interest on a sum of money, presented by his class for this purpose, will be awarded annually, commencing in 1932, to the student who, at the end of the third year, has in the opinion of the Department shown such aptitude for Chemistry as to merit the award, which is tenable in the final year of the undergraduate course.

### Other Undergraduate Prizes.

**The Waverley Prize.**—This prize, being the interest of an endowment of \$1,000 for the purpose, will be awarded annually to the student standing highest in Mathematics 3, his standing in Mathematical classes previously taken in the University being taken into consideration.

**The Studley Quoit Club Prize.**—This prize, of the value of \$50, is offered by the Studley Quoit Club for the encouragement of the study of Greek and Latin. It will be awarded annually to the student making the highest aggregate in Greek 2 and Latin 2, provided first class distinction is obtained in each class.

**The Katherine Buttenshaw Prize.**—This prize, being the interest of an endowment of \$1,000 for that purpose, will be awarded annually to the student standing highest in the advanced Mathematics classes.

**Ross Stewart Smith Scholarship.** This prize, of the value of \$75, contributed by Mrs. Eliza Cochran Smith in furtherance of the wishes of herself and her late husband, Dr. James Ross Smith, as a memorial to their late son, Ross Stewart Smith, will be awarded to the student whose record in advanced classes shows the most distinct evidence of aptitude for scientific study, and who will remain an undergraduate at the University for the ensuing year.

### Graduation Prizes.

*To be eligible for a Medal a candidate must attain a standard considerably above that required for High Honours.*

**The Governor-General's Gold Medal,** offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded to the student who stands first among those taking High Honours in the department of Classics. In the event of its not being awarded in this department, it may be awarded in the department of Latin and English, or in that of Greek and English, or in some other department.

**The Sir William Young Gold Medal,** founded by bequest of the late Sir William Young, will be awarded on graduation to the student who stands first among those taking High Honours in Mathematics.

**The Eric Dennis Gold Medal,** founded by Senator William Dennis and Mrs. Dennis, will be awarded on graduation to the student who stands first among those taking High Honours in Government and Political Science.

**University Medals** of bronze will be awarded on graduation to students who take High Honours in departments in which a gold medal is not available.

**The Avery Prize.**—This prize, being the interest of the sum of \$500 bequeathed for this purpose by J. F. Avery, M. D., will be awarded on graduation to the student standing highest among those graduating with Distinction.

**The Eric Dennis Foreign Scholarship**, of a value not less than \$250, founded by Senator William Dennis and Mrs. Dennis, may be awarded on graduation to the student standing highest in the department of Government and Political Science, provided he attains a sufficiently high standard and obligates himself to pursue at least one year of postgraduate study in the same department of another University approved by the Senate.

#### OPEN TO ALL STUDENTS.

**The Halifax Overseas Club Essay Prize.**—This prize, of the value of \$55, being the interest of a fund of \$1,000 given by the Halifax Overseas Club, will be awarded annually. It will be offered for the best essay on some question, historical or critical, relating to the place of the Overseas Dominions in the British Commonwealth. For further particulars address the President.

**The W. H. Dennis English Prizes: The Joseph Howe Prizes for Poetry and the James DeMille Prizes for Prose.**—These prizes, established by W. H. Dennis, Esq., of the value of \$200 each for a first prize and \$100 each for a second prize, will be offered annually. For the regulations address the President.

#### The Rhodes Scholarship.

This Scholarship, of the annual value of £400 for three years, is awarded annually. For circulars and further information apply to Secretary, Committee of Selection, Dalhousie University.

#### 1851 Exhibition Science Research Scholarships.

These Scholarships, of the value of £250 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.

This Bursary of the annual value of \$300, is tenable for four years at any university in Nova Scotia and is open to the sons and daughters of deceased or totally 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 5, Ont.

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

#### OPEN TO GRADUATES.

**The Eddy Resident Fellowship for Women.**—This Fellowship, of the value of \$500, founded by the Board of Governors in memory of the late Mrs. E. B. Eddy, is offered annually to a

member of the graduating class who shows distinct aptitude for scholarly work in any department of study. It shall be held at this University.

**The Eddy Travelling Fellowship for Women.**—This Fellowship, of the value of \$1,500, is offered triennially to a graduate of the University who has evinced unusual ability for scholarly work. It can be held at any foreign university approved by the Senate.

**The James Gordon MacGregor Memorial Fellowship in Physics.**—This Fellowship, of the value of \$800, is awarded annually to a graduate of this or other University. The holder of the Fellowship is required to give twelve hours per week to teaching work in the department of Physics.

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

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 \$1,600, 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." A candidate must either hold a recognized degree or be in his or her final year proceeding to a degree. For further information apply to the Head Office of the Order.

**National Research Council Scholarships.**—Bursaries of the value of \$750 will be open to award to applicants who have graduated with high standing in scientific study. Studentships of \$1,000 are awarded to those who have done satisfactory original graduate research, and Fellowships of \$1,200 to those who have indicated capacity to conduct independent research. Applications must be made before March 15th in each year.

#### 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 12 noon on last regular registration day, for each day.....	2.00

##### For Tuition.

For each class not involving work in laboratory or draughting-room.....	\$ 25.00
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†Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

**For each class involving work in laboratory or draughting-room.....	35.00
For students taking one of the regular engineering courses the maximum annual tuition fee will be.....	170.00
For students taking the regular third and fourth years of the Fisheries Course the annual tuition fee will be..	200.00
For course for M. A. or M. Sc. degree not involving laboratory work.....	75.00
Ditto, involving laboratory work.....	100.00
For changing course of study after October 7th, 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.

Up to and including October 7th, a student may retire 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 the University before December 1st through illness or for some other equally valid and accepted 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.

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

#### 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.....	5.00
Each Supplementary examination in Arts or Science....	3.00
Each Special examination in Arts or Science.....	5.00
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
Each Supplementary examination in Music.....	5.00
Examination for the degree of M. A. or M. Sc.....	10.00
Ditto, at an outside centre.....	30.00

\*\* See Laboratory Deposit, p. 21.

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., B. Sc., B. Com., L. Mus., Engineering, Household Science, Education diplomas.....	5.00
†B. Mus. diploma.....	10.00
†M. A. or M. Sc., diploma.....	20.00
Ad eundem gradum diploma.....	10.00
Additional fee for any degree conferred <i>in absentia</i> .....	5.00

See Pages 17, 18 and 21 for

**Fee for Health Service.**

**Caution Deposit.**

**Laboratory Deposits.**

**Fee for support of Student Organizations.**

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†Payable before the final examinations, and returnable in case of failure.



## COURSES OF INSTRUCTION.

## I. Classics.

Professor.....	E. W. Nichols.(Head of Dept.).
Associate Professor.....	†A. K. Griffin.
Instructors.....	John H. Kent, C. A. Yeo.
Lecturer.....	J. W. Logan.

## Latin.

**Elementary Latin.**—*Tu., Th. and S. at 11 a. m. and another hour to be determined after the class is formed.*

This class is intended for beginners in Latin, and for those who have insufficient preparation to enter Latin 1. Students whose work is satisfactory will be admitted to a Matriculation examination in Latin held in April. Those intending to qualify for this examination must do much of the reading by private study, and must devote much more time to the subject outside of class hours than is required in ordinary undergraduate work.

Text Book: Collar and Daniel: *First Year Latin* (Ginn). Other books will be announced at the beginning of the session.

1. (1) *Tu., Th. and S. at 10 a. m.*; (3) *M., W. and F. at 12 m.*

Prerequisite.—Matriculation Latin.

Cicero: *Pro Archia Poeta* and *Pro Marcello*. Vergil: *Aeneid*, Book V. Latin Grammar. Latin Prose Composition. Exercises in sight translation.

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

2. (1) *M., W. and F. at 10 a. m.*; (2) *M., W. and F. at 11 a. m.*; (3) *Tu., Th. and S. at 11 a. m.*

Prerequisite.—Latin 1.

Livy, Book XXI. Horace: *Odes* (selected). \*Vergil: *Aeneid*, Book IX. Latin Grammar. Latin Prose Composition. Exercises in sight translation.

Text Books: Livy, Book XXI (Tatham's, Oxford Univ. Press, Toronto). Horace: *Odes and Epodes* (Smith's, Ginn). Vergil: *Aeneid*, Book IX (Wainwright's, Bell, London). Allen and Greenough: *New Latin Grammar*. North & Hillard: *Latin Prose Composition* (Rivington, London).

3. (1932-33). *Tu. and Th. at 11 a. m.*

Prerequisite.—Latin 2.

Tacitus: *Histories*, Book 1, \*II, Chapters 1-70. Horace: *Satires* (selected). Latin Prose Composition. Exercises in sight translation.

Text Books: Tacitus: *Histories*, Books I, II (Moore's, Macmillan, Toronto). Horace: *Satires and Epistles* (Morris', Amer. Book Co.)

4. (1931-32). *Tu. and Th. at 11 a. m.*

Prerequisite.—Latin 2.

Cicero: *Tusculan Disputations*, Book I; \**Somnium Scipionis*. Catullus: *Selected Poems*. Juvenal: *Satires* III, IV, V, X, \*XIII, \*XV.

Text Books: Cicero: *Tusculan Disputations*, Book I (Rockwood's, Ginn). Catullus (Merrill's, Ginn). Juvenal: *Satires* (Hardy's, Macmillan).

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

†On leave of absence for 1931-32.

5. (1932-33). *Hours to be arranged.*  
 Plautus: *Captivi*. Terence: *Phormio*. Horace: *Epistles*, Books I, II; *Ars Poetica*. Cicero: *Philippics*, I, II; *Pro Cluentio*. Vergil: *Georgics*, Books I, IV. Tacitus: *Annals*, Books I, II.
6. (1931-32). *Hours to be arranged.*  
 Plautus: *Trinummus*. Terence: *Adelphi*. Cicero: *De Oratore*, Book I. Tacitus: *Agricola*. Pliny: *Letters*, Books I, II, III, Livy: Book XXII. Lucretius: Book V. Juvenal: *Satires* I, VII, VIII, XIV.
7. Plautus: *Rudens*. Lucretius: Books I, III. Vergil: *Aeneid*, Books X, XI, XII. Sallust: *Catiline*. Cicero: *Letters* (selected). Quintilian: Book X.
8. Plautus: *Mostellaria*. Cicero: *De Officiis*, Book I; *De Amicitia*. Elegiac Poets (Harrington's). Martial: *Selections* (Stephenson's). Petronius: *Cena Trimalchionis*. Seneca: *Essays* (Bell, London). Augustine: *Confessions*, Book I.

Latin 7 and 8 will in general be offered only when there is a candidate for Honours in Latin, and shall not be substituted for Latin 5 and 6 in the course for Honours in Latin and Greek. A portion only of the work prescribed in Latin 5, 6, 7 and 8 will be read in class.

#### Greek.

**Elementary Greek.**—*M. and F. at 10 a. m., and Tu. and Th. at 2.30 p. m.*

This class is intended for beginners in Greek, and for those who have insufficient preparation to enter Greek I. Students whose work is satisfactory will be admitted to a Matriculation examination in Greek held in April. The statement made under Elementary Latin regarding additional work required is applicable here also.

Text Book: White: *First Greek Book*. Other books will be announced at the beginning of the session.

1. *Tu., Th. and S. at 10 a. m.*  
 Prerequisite.—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 Univ. Press, Toronto). Plato: *Euthyphro and Menexenus*, (Graves' Macmillan, Toronto). North & Hillard: *Greek Prose Composition* (Rivington, London). Goodwin-Gulick: *Greek Grammar* (Ginn).
2. *M. and W. at 9 a. m.*  
 Prerequisite.—Greek 1.  
 Lucian: *Dialogues* (selected); *Somnium*. Homer: *Odyssey*, Book IX, XI (selections), \*XII. Greek Grammar. Greek Prose Composition. Exercises in sight translation.  
 Books Recommended: Lucian: *Somnium, Charon, etc.* (Heitland's, Cambridge Univ. Press). Homer: *Odyssey*, Books VII-XII (Merry's, Oxford Univ. Press, Toronto). North & Hillard: *Greek Prose Composition* (Rivington, London).
3. (1932-33). *M. and W. at 12 m.*  
 Prerequisite.—Greek 2.

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

Demosthenes: *Philippics* I, II, III; \**Olynthiacs* I, II. Euripides: *Medea*. \*Homer: *Odyssey*, Book I.

Books Recommended: Demosthenes: *Philippics* (Abbott and Matheson's, Oxford Univ. Press, Toronto); *Olynthiacs* (Glover's, Cambridge Univ. Press). Euripides: *Medea* (Bayfield's, Macmillan, Toronto). Homer: *Odyssey*, Book I (Marchant's, Bell, London).

4. (1931-32). *M. and W. at 12 m.*

Prerequisite.—Greek 2.

Plato: *Apology*; \**Crito*. Aristophanes: *Clouds*. \*Homer: *Iliad*, Book VI. Greek Prose Composition. Exercises in sight translation.

Books Recommended: Plato: *Apology* (Williamson's, Macmillan, Toronto); *Crito* (Keene's, Macmillan, Toronto). Homer: *Iliad*, Book VI (Leaf and Bayfield's, Macmillan, Toronto).

5. (1932-33) *Hours to be arranged.*

Aeschylus: *Eumenides*; *Prometheus Vincitus*. Sophocles: *Ajax*; *Oedipus Rex*. Demosthenes: *De Corona*. Plato: *Republic*, Books I to IV.

6. (1931-32). *Hours to be arranged.*

Homer: *Odyssey*, Books V to VIII. Aristophanes: *Frogs and Knights*. Thucydides: Book II. Aristotle: *Poetics*; *Ethics* (selections).

A portion only of the work prescribed for Greek 5 and 6 will be read in class.

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

### Introduction to Philology.

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

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

This course 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.

Prerequisite.—Greek 1.

The class and examination in New Testament Greek conducted by Professor J. W. Falconer in Pine Hill Divinity Hall, Halifax, and those conducted by Professor T. H. Hunt in the Faculty of Divinity, King's College, 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.

## III. Hebrew.

The class and examination in Hebrew, conducted by Professor W. G. Watson in Pine Hill Divinity Hall, Halifax, and those conducted by Professor T. H. Hunt in the Faculty of Divinity, King's College, 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.

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

## IV. Modern Languages.

Professor . . . . .	†Francois René Gautheron.
Interim Professor . . . . .	Ernest Martin (Head of Dept.).
Associate Professor . . . . .	C. H. Mercer.
Assistant Professor . . . . .	L. L. Dufau.

## French\*.

1. (1) *Tu., Th. and S. at 9 a. m.*; (2) *Tu., Th. and S. at 10 a. m.*  
Prerequisite.—Matriculation French.

Text Books: Buffum: *Contes français* (Holt). Alphonse Daudet: *La Belle-Nivernaise* (Ginn). Edmond Rostand: *Cyrano de Bergerac*. Kastner and Marks: *A new course of French composition*, Book I (Dent). History of French literature: *Les grands écrivains français*, by Ch. M. des Granges. (Hatier Paris). D. C. Pargment: *Le français oral*. (Heath).

2. (1) *Tu., Th. and S. at 9 a. m.*; (2) *Tu., Th. and S. at 10 a. m.*;  
(3) *M., W. and F. at 9 a. m.*

Text Books: Fraser and Squair: *Complete French Grammar*. Kastner and Marks: *A new course of French composition*; Book II. Ch. M. des Granges: *Histoire de la littérature française*. Molière: *Le Bourgeois Gentilhomme* (Soury's edition, Delalain, Paris); *L'Avare* and *Les Femmes savantes*. (Pellisson's edition, Delagrave, Paris). La Fontaine: *Fables* (Clement's edition, Armand Colin, Paris). La Bruyère: *Les Caractères*.

Additional for Distinction: Scarron: *Le Roman comique* (selected). Boileau: *Satires*. Racine: *Les Plaideurs*. Victor Hugo: *Les pauvres gens*. A. Daudet: *Lettres de mon moulin*.

3. (1932-33). *Tu and Th. at 3.30 p. m.*

History of the French literature with special reference to the 19th and 20th centuries.

Text Books: Ch. M. des Granges: *Morceaux choisis des auteurs français, 19<sup>e</sup> et 20<sup>e</sup> siècles*. Balzac: *Le colonel Chabert*. Alfred de Musset: *Fantasio*; Alfred de Vigny: *La veillée de Vincennes*. Lamartine: *Chefs d'oeuvre poétiques*. Kastner and Marks: *A new course of French composition*, Book III.

Additional for Distinction: Chateaubriand: *Mémoires d'outre tombs*. Merimee: *Colomba*. Victor Hugo: *L'expiation*. Alphonse Daudet: *Tartarin de Tarascon*. Andre Maurois: *Les discours du major O'Grady*.

4. (1931-32). *Tu. and Th. at 3.30 p. m.*

History of the French literature with special reference to the 18th and 19th centuries.

Text Books: Voltaire, by L. Flandrin (Collection d'auteurs français d'après la méthode historique. Hatier, Paris). Montesquieu: *Lettres persanes* (selected). Le Sage: *Gil Blas*. Marivaux: *Le jeu de l'amour et du hasard*. Andre Chenier: *Poesies choisies*. Alfred de Musset: *Carmosine*.

Additional for Distinction: Rivarol: *Discours sur l'universalité de la langue française*. Beaumarchais: *Le barbier de Séville*. Florian: *Fables choisies*. Alfred de Vigny: *Stello*. Alfred de Musset: *Lettres de Dupuis et Colonel*. Victor Hugo: *Poesies*, (The best French poetry, Dent).

5. (1931-32). *Tu. and Th. at 4.30 p. m.*

A general survey of French literature from the sixteenth century to the present day. Selected authors. French essays.

Additional for Distinction. A special study of the evolution of one of the following literary genres in the 19th and 20th centuries: history, poetry, the novel, the theatre, criticism.

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

†On leave of absence for 1931-32.

**10. Commercial French.** *M. and F. at 10 a. m.*

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

**German.**

**Elementary German.**—*Tu., Th. and S. at 9 a. m.*

Lang & Needler: *High School German Grammar* (Ryerson, Toronto). *Gluck Auf* (Ginn). Bagster-Collins: *A First German Reader*.

This class, which prepares for the matriculation examination held in April, will not count for a degree.

**1. Tu., Th. and S. at 10 a. m.**

Prerequisite.—Matriculation German.

Text Books: Betz: *Modern German Reader* (Heath). Vos: *Essentials of German* (Holt). Collmann: *Easy German Poetry* (Ginn).

**2. M., W. and F. at 2.30 p. m.**

Prerequisite.—German 1.

Text Books: Pops: *Writing and Speaking German*, New Series (Holt). Schiller: *Die Jungfrau von Orleans* (Holt). Bonsels: *Die Biene Maja* (Heath).

**3. Tu. and Th. at 2.30 p. m.**

Prerequisite.—German 2.

German Composition. Outline of German Literature. Modern German Literature, with special reference to the Short Story.

Text Books: Chiles: *German Prose Composition* (Ginn). Stroebe & Whitney: *Geschichte der deutschen Literatur* (Holt). Bender: *German Short Stories* (Holt).

**3A. Scientific German.**—Two hours by arrangement.

Scholz: *Scientific German* (Macmillan) will be studied.

**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 degree.

**Spanish.**

**1. M., Tu., W., Th. and F. at 2.30 p. m.**

Text Books: Hills and Ford: *First Spanish Course* (Heath). Wilkins: *Beginners' Spanish Reader* (Holt). *Spanish Stories* (Dent).

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

**2. M., W. and F. at 3.30 p. m.**

Text Books: Hills and Ford: *First Spanish Course*. Luria: *Correspondencia Comercial* (Silver, Burdett). Taboada: *Cuentos Alegres* (Heath). Vital Aza: *Tres Piezas Comicas* (Heath).

**10. Tu. and Th. at 4.30 p. m.**

Text Books: Luria: *Correspondencia Comercial* (Silver, Burdett). Valde: *La Hermana San Sulpicio* (Heath). Crawford: *Temas Espanoles* (Holt).

For students looking forward to the degree of Bachelor of Commerce.

## V. Biblical Literature.

Lecturer..... W. G. Watson.

There are two university classes in the literature of the Old and New Testaments. Either one of these classes may be offered as an elective for a degree in Arts, except by a student who is offering a class in Biblical Literature as a part of an affiliated group. The class and examination in Biblical Literature conducted by the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

1. (1932-33). *Tu. and Th. at 4.30 p. m.*

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

Text Books: Moffatt: *Old Testament*. Fowler: *A History of the Literature of Ancient Israel*. Bailey and Kent: *History of the Hebrew Commonwealth*. Relevant articles in Hastings' *Dictionary of the Bible*.

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

Text Books: Moffatt: *New Testament*. Burton: *Introduction to the Gospels*. Goodspeed: *The Story of the New Testament*.

2. (1931-32). *Tu. and Th. at 4.30 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: Robinson: *Prophecy and the Prophets in Ancient Israel*. Gordon: *Poets of the Old Testament*. Charles: *Between the Old and New Testaments*.

New Testament. The history and literature of the Apostolic Age.

Text Books: Moffatt: *The Approach to the New Testament*. Symes: *The Evolution of the New Testament*. Relevant articles in Hastings' *Dictionary of the Bible*.

## VI. English Language and Literature.

Professors.... C. L. Bennet. (*Head of Dept.*), W. D. MacFarlane.  
Lecturer..... A. R. Jewitt.

1. *M., W. and F. at 11 a. m.*

Prerequisite.—Matriculation English.

**Composition.**—Twenty narrative and descriptive themes.

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

Reference Books: Gosse: *History of Eighteenth Century Literature*. Macaulay's *History*, Chapter 3.

2. *M. W. and F. at 12 m.*  
 Prerequisite.—English 1.  
**Composition.**—Twenty expository themes. Lectures.  
**Literature.**—The Renaissance; Shakespeare; Milton.  
 Text Books: Milton: *Selections* (ed. Hanford). Shakespeare: *King Henry IV, Pt. I; The Merchant of Venice; Hamlet.*  
 Reference Books: Sichel: *The Renaissance.* Neilson and Thorndike: *The Facts about Shakespeare.*  
 For Distinction: *Romeo and Juliet; King Lear; The Tempest.*
3. **Middle English.**—(1931-32). *Tu. and Th. at 10 a. m.*  
 Prerequisite.—English 2.  
 Texts: Cook: *Literary Middle English Reader* (selections). Manly: *Chaucer's Canterbury Tales* (selections).  
 Reference Books: Manly: *New Light upon Chaucer.* Curry: *Chaucer and the Medieval Sciences.* Ten Brink: *The Language and Metre of Chaucer.*
4. **Nineteenth Century Literature.**—(1932-33). *M. and W. at 12 m.*  
 Prerequisite.—English 2.  
 Lectures: The historical and social background; the influence of the French Revolution; Cowper, Crabbe, Blake, Burns, Chatterton, Scott, Byron, Wordsworth.  
 For Distinction: An essay on a subject assigned by the instructor.
5. **Nineteenth Century Literature.**—(1931-32). *Tu. and Th. at 9 a. m.*  
 Prerequisite.—English 2.  
 Carlyle, Tennyson, Browning, Arnold, Dickens, Thackeray.  
 Reference Books: Saintsbury: *History of Nineteenth Century Literature*  
 Chesterton: *Victorian Literature.* Elton: *Survey of English Literature, 1830-1880.*  
 For Distinction, as in English 4.
6. **Old English.**—(1931-32). (Hours to be arranged.)  
 Prerequisite.—German 1.  
 Text Books: Bright: *Anglo-Saxon Reader.* Sievers: *O. E. Grammar*, (trans. Cook). Sight translation from easy texts.
7. **Elizabethan Drama.**—(1932-33). *M. and W. at 11 a. m.*  
 Prerequisite.—English 2.  
 Marlowe, Greene, Jonson, Beaumont and Fletcher, Massinger, Webster, Shakespeare.
8. **Literary Movements in Canada.**—(1932-33). *Tu. and Th. at 9 a. m.*  
 Prerequisite.—English 2.  
 Reference Books: MacMechan: *Headwaters of Canadian Literature.* Broadus: *A Book of Canadian Prose and Verse.* Fournier: *Anthologie des Poetes Canadiens.*  
 For Distinction: Chittick: *Thomas Chandler Haliburton.*
9. **Drama.**—(1931-32). *M. and W. at 11 a. m.*  
 Prerequisite.—English 2.  
 Admission to this class will be limited; prospective students are advised to consult with the instructor.
10. **Advanced English Composition.**—(1932-33). *Tu. and Th. at 10 a. m.*  
 Prerequisite.—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.

**11. The Essay in English.**—(1932-33). *Tu. and Th. at 2.30 p. m.*

Prerequisite.—English 2.

English essayists from Bacon to the present day.

For Distinction: The life and works of a selected essayist.

**12. The History, Theory, and Methods of Literary Criticism.**—(1931-32). *Tu. and Th. at 2.30 p. m.*

Prerequisite.—English 2.

For students who have taken or intend to take more than two elective classes in English.

Text Books: Saintsbury: *History of English Criticism*. Cowl: *The Theory of Poetry in England*. Buck: *Literary Criticism*.**13. The History of the English Language.**—(1931-32). *Tu. and Th. at 3.30 p. m.*

An introduction to the historical study of the sounds, words and forms of English. This course is suitable for those who expect to offer English as one of the requirements for the Academic Licence issued by the Department of Education of the province of Nova Scotia

Text Books: Wyld: *The Historical Study of the Mother Tongue*. Jespersen: *Growth and Structure of the English Language*.**20. Composition and Literature.**—(1931-32). *M., W. and F. at 12 m.*

A class for pre-medical, pre-dental, science, engineering and commerce students. The Renaissance; Puritans and Kings; Eighteenth century ideals of sanity and order.

Text Book: *The Great Tradition*.**21. Composition and Literature.**—(1932-33). *M., W. and F. at 12 m.*

A class for pre-medical, pre-dental, science, engineering and commerce students. The rise of modern democracy; Nineteenth century ideals and problems.

Text Book: *The Great Tradition*.**VII. History.**Professors . . . . . G. E. Wilson (*Head of Dept.*), A. Stanley Walker.**1 History of Europe Since the Fall of the Roman Empire —**(1) *M., W. and F. at 9 a. m.*; (2) *M. W., and F. at 10 a. m.*

Prerequisite.—Matriculation History.

Given annually.

Text Book: Robinson: *History of Western Europe*. Assigned readings.**2. Ancient History.**—(1931-32, and in alternate years).—*M., W. and F. at 10 a. m.*

Prerequisite.—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.**—(1932-33, and in alternate years).—*M., W. and F. at 10 a. m.*  
Prerequisite.—History 1.  
Text Books: Cross: *History of England*. Mowat: *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 1851*. Seeley: *The Expansion of England*.
- 4. History of Europe since 1815.**—(1932-33, and in alternate years).—*Tu. and Th. at 2.30 p. m.*  
Prerequisite.—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.
- 5. History of Europe, 1715-1815.** (1931-32, and in alternate years).—*Tu. and Th. at 2.30 p. m.*  
Prerequisite.—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.
- 6. England under the Tudors.** (1931-32, and in alternate years). *M. and W. at 2.30 p. m.*  
Prerequisite.—Two classes in History.
- 7. The Fourteenth Century.**—(1932-33, and in alternate years).—*M. and W. at 2.30 p. m.*  
Prerequisite.—Two classes in History.
- 8. History of Canada to 1837.**—(1931-32, and in alternate years).—*Tu. and Th. at 10 a. m.*  
Prerequisite.—History 1.
- 9. History of Canada since 1837.**—(1932-33, and in alternate years).—*Tu. and Th. at 10 a. m.*  
Prerequisite.—History 1.
- 10. Seminar Course on Canadian History with special reference to Nova Scotia.**  
For Honour and M. A. students. All others must obtain the consent of the instructor.  
Prerequisite.—History 8 or 9.
- 20. For pre-medical and pre-dental students—*M., W. and F. at 11 a. m.***  
A lecture course, with collateral reading and exercises, on the history of thought and the influence of science on civilization.

### VIII. Church History.

The class and examination in Church History conducted in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

## IX. Economics and Sociology.

## Economics.

*Associate Professor* . . . . . W. Russell Maxwell (Head of Dept.).  
*Assistant Professor* . . . . . S. H. Prince.

1. **Principles of Economics.**—(1) *M., W. and F. at 10 a. m.*;  
 (2) *M., W. and F. at 11 a. m.*  
 Text Book: Ely: *Outlines of Economics*.
2. **Modern Economic History.**—(1932-33). *Tu. and Th. at 3.30 p. m.*  
 Prerequisite.—Economics 1.  
 Text Books: Ogg: *Economic Development of Modern Europe*. Bogart: *Economic History of the United States*.
3. **Money and Banking.**—(1932-33). *Tu. and Th. at 2.30 p. m.*  
 Prerequisite.—Economics 1.
4. **Labor Problems and Trusts.**—(1931-32). *Tu. and Th. at 3.30 p. m.*  
 Text Books: Fitch: *The Causes of Industrial Unrest*. Douglas, Hitchcock and Atkins: *The Worker in Modern Economic Society*. Jenks and Clark: *The Trust*.
5. **Public Finance.**—(1931-32). *Tu. and Th. at 11 a. m.*  
 Prerequisite.—Economics 1.
6. **Programmes of Social Reconstruction.**—(1931-32). *Tu. and Th. at 2.30 p. m.*  
 Prerequisite.—Economics I.  
 A critical study of proposals to change the existing economic basis of society.
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.
8. **International Trade and Tariff Problems.**—(1932-33).  
*Tu. and Th. at 11 a. m.*  
 Prerequisite.—Economics 1.  
 Text Book: F. W. Taussig: *Selected Readings in International Trade and Tariff Problems*.
9. **Economic Problems of Canada.**—*Two hours per week.*  
 Prerequisite.—Economics I.  
 The purpose of this course will be to discuss in the light of economic principles the history and present problems of Canada. It will require considerable reading of source material and some research, and will be given only if a sufficient number of qualified students apply for it.

## Sociology

*Assistant Professor* . . . . . S. H. Prince.

1. **Principles of Sociology.**—*M., W. and F. at 2.30 p. m.*  
 Text Books: Lumley: *Principles of Sociology*. Gillin and Blackmar: *Outlines of Sociology* (3rd Ed.). Park and Burgess: *Introduction to the Science of Sociology*. Giddings: *Scientific Study of Society*.

Special reading list with assignments from works of Cooley, Ellwood, Sumner, Ross, Bogardus, Ogburn, Lumley and others.

**2. Applied Sociology.**—(1932-33). *Tu. and Th. at 2.30 p. m.*

Prerequisite.—Sociology 1 or Economics 1.  
Text Books: Beach: *Introduction to Sociology and Social Problems*. Thompson: *Population Problems*. Wright: *Population*. Queen and Mann: *Social Pathology*. Towne: *Social Problems*.

Also topical bibliography supplied in class.

**3. Social Legislation.**—(1931-32). *Tu. and Th. at 2.30 p. m.*

Prerequisite.—Sociology 1 or Economics 1.  
(i) Philanthropy and social politics, (ii) special legislative studies, (iii) social legislation in Canada.  
Text Books: Jenks: *Governmental Action for Social Welfare*. Kelso: *Science of Public Welfare*. Strong: *Public Welfare Administration in Canada*.  
Reference Books: Ibert: *Mechanics of Law-making. Revised Statutes of Canada*. Seager: *Social Insurance*. Lippman: *Public Opinion*. Stewart: *Canadian Labour Laws*.

**4. Anthropology.**—(1931-32). *M. and W. at 3.30 p. m.*

Prerequisite.—Sociology 1 or Economics 1.  
Text Books: Kroeber: *Anthropology*. Wissler: *Introduction to Social Anthropology*.  
Reference Books: Kroeber and Waterman: *Source Book of Anthropology*. Lowie: *Primitive Society*. Tozzer: *Social Origins*. Goldenweiser: *Early Civilization*.

**5. Social Theory.**—(1932-33). *M. and W. at 3.30 p. m.*

Prerequisite.—Sociology 1.  
Text Books: Lichtenberger: *Development of Social Theory*.  
Additional readings prescribed from Giddings, Bristol, Bogardus, Barnes and other writers on historical sociology.

**8. Social and Vital Statistics.**

**Social Work.**—Economics 1 and Sociology 1 together with three other classes in Sociology are prerequisite to professional training in Social Work. Students may complete the requirements for a diploma in this field by one additional year of field work and study.

**X. Political Science.**

Professor..... R. A. MacKay.

**1. Government of the British Commonwealth.**—*M., W. and F. at 3.30 p. m.*

Books Recommended: No text will be prescribed but readings will be assigned from time to time from the following: Lowell: *Government of England*. Anson: *Law and Custom of the Constitution*. Dicey: *Law of the Constitution*. Marriott: *Mechanism of the Modern State*. Munro: *Governments of Europe*. Keith: *Sovereignty of the Dominions; Dominion Home Rule in Practice*. Hall: *British Commonwealth of Nations*. Kennedy: *Constitution of Canada*. Corbett and Smith: *Canada and World Politics*.

**2. International Relations and Problems.**—(1932-33). *M., W. and F. at 9 a. m.*

Prerequisite.—Political Science 1, or History 1.  
Text Book: Buell: *International Relations*.  
Books Recommended: Bowman: *The New World*. Moon: *Imperialism and World Politics*. Baker: *The League of Nations at Work*. Rappard: *International Relations as viewed from Geneva*.

**3. Comparative Government.**—(1931-32). *M. and W. at 12 m.*

Prerequisite.—Political Science 1.  
 Bryce: *Modern Democracies* or equivalent. Headlam-Morley: *New Constitutions of Europe*. Mill: *Representative Government*. Lowell: *Public Opinion and Popular Government*. Wallas: *Human Nature and Politics*.

**4. History of Political Theory.**—(1932-33). *M. and W. at 12 m.*

Prerequisite.—2 classes in Political Science.  
 Readings will be assigned from the following: Aristotle: *Politics*. Plato: *Republic*. Machiavelli: *The Prince*. Hobbes: *Leviathan*. Locke: *Second Treatise on Civil Government*. Rousseau: *Social Contract*. Mill: *Liberty*.  
 Books Recommended: Dunning: *History of Political Theories*. Burns: *Political Ideals*.

**5. Imperial Relations and Problems.**—(Not given 1931-32).

**6. Constitution and Government of Canada.**—(1931-32).  
*M. and W. at 9 a. m.*

Prerequisite.—Political Science 1.  
 No text book will be required but considerable use will be made of cases and documents from the following: Read: *Cases in Constitutional Law*. Kennedy: *Statutes, Treaties and Documents of the Canadian Constitution*.  
 Books for reference: Kennedy: *Constitution of Canada*. Iefroy: *Short Treatise on Canadian Constitutional Law*. Smith: *Federalism in North America*. Keith: *Responsible Government in the Dominions*. Dawson: *Civil Service of Canada*. MacKay: *Unreformed Senate of Canada*. Siegfried: *Race Question in Canada, Canada and Its Provinces* (sections on Government).

Honour and M. A. Courses. (Other students with advanced standing may be admitted with the consent of the instructor).

**10. Representative Government.**—(1931-32). Hours to be arranged.

**11. International Organization.**—(1932-33). Hours to be arranged.

**International Law.** Given in the Law School.

**Constitutional Law.** Given in the Law School.

## XI. Law.

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

## XII. Philosophy.

Professor.....H. L. Stewart (Head of Dept.).  
 Assistant Professor.....F. H. Page.

**1. Logic and Psychology.**—*Tu., Th. and S. at 9 a. m.*

Text Books: Logic: Creighton: *Introductory Logic*. Psychology: Woodworth: *Psychology*.

2. **History of Greek Philosophy.**—(1931-32). *W. and F. at 3.30 p. m.*  
Prerequisite.—Philosophy 1.  
Text Books: Plato: *Republic; Phaedo; Apology; Theaetetus*. Aristotle: *Ethics*. Rogers: *Students' History of Philosophy*. Taylor: *Aristotle on his Predecessors*.
3. **Ethics.**—(1931-32). *Tu. and Th. at 11 a. m.*  
Prerequisite.—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.**—(1932-33). *Tu. and Th. at 11 a. m.*  
Prerequisite.—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.**—(1932-33). *Th. and S. at 10 a. m.*  
Prerequisite.—Philosophy 1.  
Text Book: Taylor: *Elements of Metaphysics*.
6. **History of Philosophy from Bacon.**—(1932-33). *W. and F. at 3.30 p. m.*  
Prerequisite.—Philosophy 1.  
Text Books: Bacon: *Novum Organum*. Locke: *Essay on the Human Understanding*. Berkeley: *Dialogues*. Höfding: *History of Philosophy*.
7. **British Philosophy in the Nineteenth Century.**—(1931-32). *Th. and S. at 10 a. m.*  
Prerequisite.—Philosophy 1.
8. **Philosophic Ideas in Literature.**—(1931-32). *W. and F. at 2.30 p. m.*  
Prerequisite.—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, and G. Bernard Shaw.

Psychology.

Assistant Professor..... F. H. Page.

2. **Experimental Psychology.**—(1932-33). *Tu. and Th. at 3.30 p. m.*  
Prerequisite.—Philosophy 1.  
Text Book: Myers: *Text Book of Experimental Psychology*.
3. **Child Psychology.**—(1931-32). *Tu. and Th. at 3.30 p. m.*  
Prerequisite.—Philosophy 1. (Except for special students).  
Text Book: Norsworthy and Whitley: *Psychology of Childhood*.  
Books Recommended: Koffka: *Growth of the Mind*. Buhler: *Mental Development in the Child*.
4. **Social Psychology.**—(1931-32). *M. and W. at 9 a. m.*  
Prerequisite.—Philosophy 1.  
Text Books: Allport: *Social Psychology*. McDougall: *Introduction to Social Psychology*.

5. **Abnormal Psychology.**—(1932-33). *Tu. and Th. at 2.30 p. m.*  
Prerequisite.—Philosophy 1.  
Books Recommended: McDougall: *Outline of Abnormal Psychology*. Bridges: *Outline of Abnormal Psychology*. Morgan: *Psychology of Abnormal People*.
6. **Psychophysical Problems.**—(1931-32). *Tu. and Th. at 2.30 p. m.*  
Prerequisite.—Philosophy 1.  
Books Recommended: Broad: *Mind and its Place in Nature*. McDougall: *Body and Mind*. Russell: *Analysis of Mind*. Stout: *Manual of Psychology*.
7. **History of Psychology.**—(1932-33). *M. and W. at 9 a. m.*  
Historical texts will be read in translation.  
Reference Books: Brett: *History of Psychology*, 3 vols. Murphy: *Historical Introduction to Modern Psychology*.

### Education.

Professor.....C. Wilson Smith.

Candidates for the degree of B. A. may, on graduation, obtain a recommendation for a school teacher's licence by satisfying the examination requirements in certain stated courses (see p. 45 of this calendar). Education 1 and 2 are two of these required classes. Students expecting to apply for Nova Scotia teacher licences are urged to consult the Professor of Education as early in their university career as possible. All students must see him before registering for Education 2.

1. **Educational Psychology and History of Education.**  
*M., W. and F. at 9 a. m.*  
Prerequisite.—Philosophy 1.  
Text Books: Sandiford: *Educational Psychology*. Cubberley: *History of Education and Readings in the History of Education*. Readings in other books and periodicals will be assigned.

2. **Theory and Practice of Teaching.**—*Tu. and Th. at 4.30 p.m.*  
For Seniors and Graduates only. This class cannot be offered for the B. A. or B. Sc. degree.  
Prerequisite.—Philosophy 1, Education 1.

Practical experience in the Halifax public schools is given during the latter part of the session. A minimum of 21 hours of observation and practice teaching will be required of each student in the course. Before making out schedules, all students must consult the Professor of Education.

3. **Educational Tests and Measures.**—*Hours by arrangement; conducted as a seminar.*

### XIII. Mathematics.

Professor.....Murray Macneill (Head of Dept).  
Assistant Professors..... J. G. Adshead, Charles Walmsley.

1. **Elementary Mathematical Analysis.**—(1) *M., W. and F. at 10 a. m.*; (2) *M., W. and F. at 11 a.m.*; (3) *Tu., Th. and S. at 11 a.m.*; (4) *Tu., Th. and S. at 9 a. m.*  
Prerequisite.—Matriculation Algebra and Geometry.  
Text Book: Mullins and Smith: *Freshman Mathematics*.

**1C. Methods of Calculation.**—*M., W. and F. at 10 a. m.*

Prerequisite.—Matriculation Algebra and Geometry.

Text Book: Wentworth, Smith and Schlauch: *Commercial Algebra, Book II.*

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.**—*Tu. and Th. at 11 a. m.*

Prerequisite.—Mathematics 1, which may, however, be taken at the same time by those who have matriculated in Trigonometry.

Text Book: Smith, Gale and Neelley: *Analytic Geometry* (Revised edition).

**3. Infinitesimal Calculus.**—*M., W. and F. at 11 a. m.*

Prerequisite.—Mathematics 1 and 2.

Text Book: Granville, Smith and Longley: *Differential and Integral Calculus.*

**4. Geometry of three dimensions.**—*Tu. and Th. at 10 a. m.*

Prerequisite.—Mathematics 1 and 2. The latter may be taken at the same time.

Subject matter: Pure and analytic geometry, spherical trigonometry with application to astronomy.

**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. Mathematics 3 and 4 are prerequisite.

**5. Advanced Calculus.**—

Text Books: Granville, Smith and Longley: *Differential and Integral Calculus.*  
Goursat: *Cours d'Analyse*, Vols. I and II. Hardy: *Integration of Functions of a Single Variable.*

**6. Advanced Analytic Geometry.**—

Text Books: Smith: *Solid Geometry.* Salmon: *Geometry of Three Dimensions.*

**7. Differential Equations.**—

Text Books: Treatises on *Differential Equations* by Murray, Piaggio and Forsyth. Goursat: *Cours d'Analyse*, Vol. II.

**8. Algebra.**—

Text Books: Hardy: *Pure Mathematics.* Dickson: *Elementary Theory of Equations.* Walmsley: *Mathematical Analysis.*

**9. Projective Geometry.**—

Text Book: Veblen and Young: *Projective Geometry.*

Other advanced classes, e. g., Theory of functions of real or complex variables, Fourier series, Differential geometry, will be given if there is a sufficient demand.

**Seminar.**—

Special consideration of topics suggested in advanced courses, or in independent reading, including the reading of papers by students. The Seminar, which meets once a week, should be attended by all students taking any of the above advanced courses.

## XIV. Physics.

*Professors* . . . . H. L. Bronson (*Head of Dept.*), J. H. L. Johnstone.  
*Demonstrators* . . . . H. A. Weir, S. M. Dockerty, L. G. Turnbull.  
*MacGregor Fellow* . . . . .

**1. General Physics.**—*Lect.*: M., W. and F. at 11 a. m. *Lab.*:  
*Two hours per week.*

*Prerequisite.*—Matriculation Mathematics and Physics.  
*Text Book:* Kimball: *College Physics.*

**20. Light, Sound, X-Radiation and Radio-Activity.**—  
*Lect. and Lab.*: Tu. and Th., 9 a. m. to 12 m.

*Prerequisite.*—Physics 1 or 2.

This course is primarily intended for pre-medical students and special attention will be given to those parts of the subject of interest to them. It may be elected by any students who are properly qualified.

*Books Recommended:* Valasek: *Elements of Optics.* Kimball: *College Physics.*

**2. Mechanics, Hydrostatics, Heat, Light and Sound.**—

*Lect.*: M., W. and F. at 10 a. m. *Lab.*: W., 2.30 to 5.30 p. m.,  
 but other hours may be arranged.

*Prerequisite.*—Mathematics 1; but it may, however, be taken at the same time.

*Text Book:* Kimball: *College Physics.*

**3. Electricity and Magnetism.**—*Lect.*: Tu. and Th. at 9 a. m.

*Lab.*: M., 2.30 to 5.30 p. m.

*Prerequisite.*—Physics 1 or 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:* Timbie: *Elements of Electricity.* Kimball: *College Physics.*

**4. Thermodynamics.**—(1931-32). *Lect.*: W. and F. at 10 a. m.

*Lab.*: Th., 9 a. m. to 12 m.

*Prerequisite.*—Mathematics 3, Physics 1 or 2.

*Text Book:* Roberts: *Heat and Thermodynamics.*

**5. Light.**—(1932-33). *Lect.*: W. and F. at 10 a. m. *Lab.*: Th.,  
 9 a. m. to 12 m.

*Prerequisite.*—Mathematics 3, Physics 1 or 2.

*Books Recommended:* Schuster: *Theory of Optics.* Robertson: *Introduction to Physical Optics.*

**6. Electricity and Magnetism.**—*Lect.*: Tu. and Th. at 10 a. m.

*Lab.*: F., 2.30 to 5.30 p. m.

*Prerequisite.*—Mathematics 3, Physics 1 or 3.

*Text Book:* Hutchinson: *Advanced Text Book of Electricity and Magnetism.*

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

*Prerequisite.*—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.**—*Tu. at 5 p. m.*

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

**Mathematical Physics.**

*Professor* ..... G. H. Henderson.

**13. Modern Physics.**—Two hours lectures and one laboratory period.

Prerequisite.—Two courses in Physics.

An introductory course, treating from the experimental side such topics as electrons, radioactivity, X-rays and the structure of matter.

Books Recommended: Crowther: *Ions, Electrons, etc.* Collateral reading.

**14. Mechanics.**

Prerequisite.—Mathematics 3 and Physics 2.

A general course in statics and dynamics applied to particles and rigid bodies, conducted chiefly by problem work.

Books Recommended: Lamb: *Statics; Dynamics.*

**15. Advanced Mechanics.**

Prerequisite.—Physics 14 and Mathematics 7.

A continuation of the previous course.

**16. Introduction to Mathematical Physics.**

Prerequisite.—Mathematics 3 and Physics 6.

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

Books Recommended: Coffin: *Vector Analysis.* Byerly: *Fourier's Series.* Houstoun: *Introduction to Mathematical Physics.*

**18. Quantum Theory.**

Prerequisite.—Mathematics 7, Physics 4 and 14.

**19. Advanced Electricity and Magnetism.**

Prerequisite.—Mathematics 7 and Physics 16.

Book Recommended: Jeans: *Electricity and Magnetism.*

**XV. Chemistry.**

*Professor* ..... C. B. Nickerson (*Head of Dept.*).  
*Associate Professor* ..... Harold S. King.  
*Assistant Professor* ..... C. C. Coffin.  
*Instructor* ..... E. W. Todd.  
*Demonstrator* ..... H. Roy Fraser.

**1. General Chemistry.**—*Lect.: M., W. and F. at 9 a. m. Lab.: Two afternoons a week for a half year.*

Prerequisite.—Matriculation Algebra and Chemistry or Physics.

This class is designed for those who do not expect to take further work in Chemistry. Those planning to continue in this subject should register for Chemistry 1A.

- 1A. General Chemistry.**—*Lect.: M., W. and F. at 9 a. m. Lab.:* (1) *M. and W., 2.30 to 5.30 p. m.;* (2) *Tu. and Th., 2.30 to 5.30 p. m.*

Prerequisite.—Matriculation Algebra and Chemistry or Physics. The laboratory work of this course is that of Chemistry 1 with three additional hours per week, part of which is spent in an elementary course in qualitative analysis.

Text Book: Smith and Kendall: *College Chemistry.*

- 2. Inorganic Chemistry and Qualitative Analysis.**—*Lect.: M., W. and F. at 10 a. m., first term. Lab.: M., W. and F., 2.30 to 5.30 p. m., to the end of January.*

Prerequisite.—Chemistry 1 or 1A.

Text Book: Smith and Kendall: *College Chemistry.*

- 2A.** This Class consists of the lectures of Chemistry 2, without laboratory. It cannot be offered for the B. A. or B. Sc. degree.

Prerequisite.—Chemistry 1A.

- 3. Inorganic Chemistry and Qualitative Analysis.**—*Lect.: M., W. and F. at 10 a. m. Lab.: M., W. and F., 2.30 to 5.30 p. m., to the end of January.*

The lecture work of this class is that of Chemistry 2; the laboratory work is, however, designed for those who expect to continue with advanced classes in Chemistry. Admission to this class may be obtained only with permission of the instructor.

- 4. Organic Chemistry.**—*Lect.: M., W. and F. at 10 a. m., second term. Lab.:* (1) *M. and W., 2.30 to 5.30 p. m.;* (2) *Tu. and F., 2.30 to 5.30 p. m., from the end of January.*

Prerequisite.—Chemistry 1 or 1A.

Text Book: For pre-medicals or pre-dentals, Remsen and Orndorf: *Organic Chemistry.* For Science, Perkin and Kipping: *Organic Chemistry.*

- 5. History of Chemical Theory, Elementary Physical Chemistry.**—*Lect.: Two hours per week. Lab.: Three hours per week, from the end of January.*

Prerequisite.—Chemistry 2 or 3 and 4.

The lectures of this class to the end of January deal with the development of chemical theory from the time of Boyle. The lectures from the end of January continue with the laws of ideal gases and solutions, introduction to the kinetic theory, thermodynamics, etc.

Text Book: Walker: *Introduction to Physical Chemistry.*

#### Advanced Classes.

These classes are especially intended for candidates for Honours in Chemistry; but any student who has passed in Chemistry 2 or 3 and 4 with Distinction may be admitted. Of these classes, Chemistry 8 and 9 are given in alternate years.

6. **Advanced Physical Chemistry.**—*Lect.: Tu. and Th. at 9 a. m. Lab.: Sat., 9 a. m. to 1 p. m., with three additional hours.*  
Prerequisite.—Chemistry 4 and 5, Mathematics 3.  
Equilibria in homogeneous and heterogeneous systems from the point of view of kinetic theory and thermodynamics.  
Text Book: Lewis: *A System of Physical Chemistry*, Vols. 1 and 2.
7. **Quantitative Analysis.**—*Lect.: W. at 9 a. m.*  
Prerequisite.—Chemistry 2 or 3.  
Lectures on the general principles of quantitative analysis, and nine hours of laboratory work each week.  
Text Book: Talbot: *Elementary Quantitative Analysis*.
8. **Advanced Inorganic Chemistry.**—Colloid Chemistry.—(1932-33). *Lect.: M., W. and F. at 9 a. m. No laboratory.*  
Prerequisites.—Chemistry 2 or 3 and 4.  
Text Book: Caven and Lander: *Inorganic Chemistry*. Krutz: *Colloid Chemistry*
9. **Advanced Quantitative Analysis.**—(1931-32). *One lecture and nine hours laboratory per week.*  
Prerequisite.—Chemistry 4 and 7.  
Text Book: Hall: *Text Book of Quantitative Analysis*.
10. **Advanced Organic Chemistry.**—*One lecture and nine hours laboratory per week.*  
Prerequisite.—Chemistry 4 and 7.  
Text Book: Porter: *The Carbon Compounds*.
11. **Research.**—The work of this class will consist of original investigation conducted by students who have shown themselves qualified.

**Journal Club.**—Meetings are held weekly in the Physics Lecture Room. Advanced students must attend and take part in the presentation of papers.

## XVI. Geology and Mineralogy.

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

1. **General Geology.**—*Lect.: M., W. and F. at 10 a. m. Excursions and Lab.: Tu. and F. afternoons, beginning at 2.30, p.m. (One afternoon a week is the full requirement).*  
Prerequisite.—Matriculation Chemistry.  
Text Books: Pirsson and Schuchert: *Introductory Geology*.  
Reference Books: Chamberlain and Salisbury: *Geology*. Geikie: *Geology*. Pirsson and Schuchert: *Text Book of Geology*. Young: *Geology and Economic Minerals of Canada*.
2. **Canadian Geology.**—*Lect.: Tu. and Th. at 10 a. m. Lab.: Three hours per week.*  
Prerequisite.—Geology 1.  
Reference Books: Coleman and Parks: *Elementary Geology*. Young: *Geology and Economic Minerals of Canada*. Moore: *The Mineral Resources of Canada*. C. G. S. Reports.

**3. Mineralogy and Petrography.**—(1931-32). *Lect.:* Two hours per week. *Lab.:* Chiefly microscopical, one afternoon per week.

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

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

**4. Mineralogy and Economic Geology.**—(1932-33) *Lect.:* Two hours per week. *Lab.:* Three hours per week.

Prerequisite.—As in Geology 3.

Reference Books: Dana: *A Text Book of Mineralogy*. Moses and Parsons: *Mineralogy, Crystallography, and Blowpipe Analysis*. Lindgren: *Mineral Deposits*. Kemp: *Ore Deposits of the United States and Canada*.

**10. Economic Geography.**—*Tu., Th. and S. at 11 a. m.*

This class cannot be offered as one of the imperative Science classes for the Arts degree.

Text Books: T. C. Hopkins: *Elements of Physical Geography*. Whitbeck and Finch: *Economic Geography*.

Reference Books: Gregory, Kellar and Bishop: *Physical and Commercial Geography*. J. Russell Smith: *Commerce and Industry*.

#### 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.*

Prerequisite.—Geology 1, Biology 2 and 3.

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

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

Prerequisite.—Geology 1.

**7. Geological Chemistry.**—*Lect.:* one hour per week. *Lab.:* six hours per week.

Prerequisite.—Geology 3 and 4, Chemistry 7.

#### XVII. Biology.

*Professor*.....Hugh P. Bell (Head of Dept.).

*Associate Professor*.....F. Ronald Hayes.

*Lecturer*.....Dixie Pelletier.

*Demonstrator*.....Margaret R. Butler.

**1. General Biology.**—(1) *Lect.:* *M. and W.* at 2.30 p. m. *Lab.:* *M. and W.*, 3.30 to 5.30 p. m. (2) *Lect.:* *Tu. and Th.* at 9 a. m. *Lab.:* *Tu. and Th.*, 10 a. m. to 12 m.

Prerequisite.—Matriculation Physics or Chemistry.

#### Systematic Zoology.

**2. Comparative Vertebrate Anatomy.**—*Lect.:* *Tu. and Th.* at 2.30 p. m. *Lab.:* *Tu. and Th.*, 3.30 to 5.30 p. m.

Prerequisite.—Biology 1.

- 2A. Comparative Vertebrate Anatomy.**—First term only.  
*Lect.: Tu. and Th. at 2.30 p. m. Lab.: Tu. and Th., 3.30 to 5.30 p. m.*  
Prerequisite.—Biology 1.  
This class is the first term of Biology 2. It fulfils the requirement for admission to Medicine, but does not count as credit for a degree in Arts or Science.  
Text Book: Davison and Stromsen: *Mammalian Anatomy with especial reference to the Cat.*
- 3. Invertebrate Zoology.**—*Lect.: Tu. and Th. at 2.30 p.m. Lab., Tu. and Th., 3.30 to 5.30 p. m.*  
Prerequisite.—Biology 1.
- 4. Advanced Morphology of the Lower Vertebrates.**—  
*Lect.: Two hours per week. Lab.: Four hours per week.*  
Prerequisite.—Biology 2.

#### Systematic Botany.

- 12. Algae, Fungi, Mosses and Ferns.**—(1931-32). *Lect.: M. and W. at 10 a. m. Lab.: M. and W., 11 a. m. to 1 p.m.*  
Prerequisite.—Biology 1.
- 13. Flowering Plants.**—*Lect.: Tu. and Th. at 2.30 p. m. Lab.: Tu. and Th., 3.30 to 5.30 p. m.*  
Prerequisite.—Biology 1.
- 14. Fungi.**—*Lect.: Two hours per week. Lab.: Four hours per week.*  
Prerequisite.—Biology 12.
- 15. Seaweeds.**—*Lect.: Two hours per week. Lab.: Four hours per week.*  
Prerequisite.—Biology 12.

#### Advanced Classes.

These classes are for students taking Honours or graduate work in Biology. Other students may be admitted provided they obtain the consent of the instructor.

- 22. Biological Laboratory Technique.**—*Lect.: One hour per week. Lab.: Ten hours per week.*  
Prerequisite.—Two classes in Biology.  
Text Book: Chamberlain: *Methods in Plant Histology*, or Guyer: *Animal Micrology*.
- 23. Evolution, Genetics and Race Problems.**—*Lect.: Three hours per week. Laboratory work may be arranged.*  
Prerequisite.—Biology 1.
- 24. Comparative Physiology of Animals and Plants.**—(1931-32). *Lect.: Two hours per week. Lab.: Four hours per week.*  
Prerequisite.—Chemistry 1, and two classes in Biology.

**25. Research.**—*At least ten hours per week.*

It is often necessary that a part of the research be conducted at an approved Marine Biological Station.

**Biological Seminar.**

Lectures and presentation of papers by members of the staff and senior students. All Honour and Graduate Students must attend.

Students who complete creditably any of the courses on the curriculum of the Marine Biological Laboratory, Woods Hole, Massachusetts, may on the recommendation of the Department of Biology present these courses for credit towards a degree.

**Histology and Embryology.**

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

**XVIII. Physiology, Biochemistry and Bacteriology.**

The classes in Physiology, Biochemistry and Bacteriology given in the Medical Faculty may in special cases be selected as electives for the Arts and Science degrees.

**XIX. Fine Arts.**

*Lecturer* ..... J. W. Falconer.

*M. and W. at 3.30. p. m.*

This course, consisting of about fifty lectures accompanied with illustrations, will give an outline of the history of sculpture, painting, architecture, and the minor arts. The introductory lectures will be devoted to Egyptian and Assyrian Archaeology, fuller consideration will be given to Greek and Roman antiquities, while the latter part of the term will include the study of the architecture and painting of the Christian Age. A well-equipped library and many valuable photographs have been presented by the Carnegie Foundation for the use of members of this class.

*Text Books:* Fiske Kemball: *A History of Architecture.* George Henry Chase: *A History of Sculpture.* Arthur Pope: *A History of Painting.*

**XX. Music.**

*Lecturer* ..... Harry Dean.

**Music 1.—Harmony and Counterpoint.**—(1932-33).

**Music 2.—History of Music, Appreciation of Music and Analysis of Musical Form.**—(1931-32).—*Hours will be arranged to suit the classes.*

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.

These classes are given only if a sufficient number of students apply for them.

ENGINEERING COURSES.

Professors . . . . . W. P. Copp (*Head of Dept.*), H. R. Theakston.

XXI. Mechanics.

- 2. **Advanced.**—*M. and F. at 9 a. m.*  
Prerequisite.—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 or Science.  
Text Book: Poorman: *Applied Mechanics.*
- 3. **Graphical Statics.**—*Lect.: W. at 9 a. m. Lab.: W., 2.30 to 5.30 p. m.*  
Prerequisite.—Drawing 1 and Physics 2.  
Text Book: Malcolm: *Graphical Statics.*
- 4. **Mechanics of Machines.**—*Lect.: Tu. at 11 a. m. Lab.: M., W. and F., 12 m. to 1 p. m.*  
Prerequisite.—Drawing 1, Physics 2, Mathematics 1, 2 and 3 (the latter, however, may be taken simultaneously).  
Text Book: Guillet: *Kinematics of Machines.*
- 5. **Materials of Construction.**—*Th. at 11 a. m.*  
Text Book: Pulver: *Materials of Construction.*

XXII. Surveying.

- 1. **Elementary.**—*M. at 10 a. m. One lecture per week to first year students in preparation for the Surveying Camp.*  
Prerequisite.—Matriculation Mathematics.  
Text Book: Breed & Hosmer: *Elementary Surveying.*
- 2. **Lect. and Lab.:** *Tu. and Th., 2.30 to 5.30 p. m.*  
Prerequisite.—Drawing 1, Mathematics 1, 2 and 4 (Mathematics 2 and 4, however, may be taken simultaneously).  
(a) *Surveying Field Work.* About three weeks immediately preceding the opening of the sessional lectures. This part of the course is carried on in a united Surveying Camp, conducted under the auspices of the Nova Scotia Technical College in the grounds of the Agricultural College, Truro.  
(b) *Lectures and Mapping.*  
Text Book: Breed & Hosmer: *Elementary Surveying.*

## XXIII. Drawing.

1. **Engineering Drawing.**—Lect.: Tu. and Th. at 9 a. m. Lab.: M. and F., 2.30 to 5.30 p. m.  
Text Book: French: *Engineering Drawing*.
- 1B. **Engineering Drawing.**—Lect.: Tu. and Th. at 9 a.m. Lab.: W., 2.30 to 5.30 p. m.  
This class 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. Special emphasis is given to free-hand sketching.  
Text Book: French: *Engineering Drawing*.
2. **Descriptive Geometry.**—S., 9 a. m. to 1 p. m.  
Text Book: Smith: *Descriptive Geometry*.
3. **Advanced Engineering Drawing.**—S., 10 a. m. to 1 p. m.  
Prerequisite.—Drawing 1 and 2.  
Reference Books: French: *Engineering Drawing*. Smith: *Practical Descriptive Geometry*. Cutter: *Descriptive Geometry*. Bishop: *Structural Drafting. Carnegie Pocket Companion*.

## XXIV. 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. This course is not compulsory but the student is advised to take it. It will be accepted by the N. S. T. C. in lieu of three to six months' suitable work in industry.

## XXV. Commerce.

Professor..... James M. MacDonald (Head of Dept.).  
Lecturer in Commercial Law..... S. E. Smith.  
Lecturer in Accounting..... R. W. Ells.

1. **Elementary Accounting.**—M., W. and F. at 3.30 p. m.  
Text Book: Goggin and Toner: *Accounting Principles and Procedure*. Practice Problems of Goggin and Toner.
2. **Intermediate Accounting.**—M. and F. at 11 a. m.  
Prerequisite.—Commerce 1.  
Text Book: Walker: *Problems in Accounting Principles*.
3. **Advanced Accounting Problems.**—(1932-33). Three hours per week.  
Prerequisite.—Commerce 2.
4. **Business Fundamentals.**—Tu. and Th. at 9 a. m.  
Text Book: Gilbert and Gragg: *An Introduction to Business*. Various readings from standard texts.
5. **Marketing and Distribution.**—(1931-32). Tu. and Th. at 10 a. m.  
Prerequisite.—Commerce 4.  
Text Book: Copeland: *Problems in Marketing*. Readings.



6. **Business Conditions in Canada.**—(1931-32). *S. at 10 a.m.*
7. **Industrial Finance and Investments.**—(1932-33). *Tu., Th. and S. at 10 a.m.*  
Prerequisite.—Economics 1, Commerce 2 and 4.  
Text Book: Fraser: *Problems in Finance*. Readings.
8. **Commercial Law.**—(1932-33). *M., W. and F. at 12 m.*  
Text Book: Falconbridge and Smith: *Manual of Canadian Business Law*.
9. **Foreign Trade.**—(1931-32). *M. and W. at 12 m.*  
Prerequisite.—Economics 1, Commerce 4.
10. **Statistics.**—(1931-32). *Tu. and Th. at 2.30 p.m.*  
Prerequisite.—Economics 1, Matriculation Mathematics.  
Text Book: Day: *Statistical Analysis*.

### XXVI. Fisheries.

<i>Lecturer in General Fisheries</i> .....	A. H. Leim.
<i>Lecturer in Biochemistry</i> .....	S. A. Beatty.
<i>Lecturer in Bacteriology</i> .....	E. Hess.
<i>Lecturer in Chemistry</i> .....	

1. **General Fisheries.** A study of the principal marine and fresh water forms of economic importance, and of the methods of their utilization.
2. **Physics and Chemistry of Fish Curing.** This course deals with the application of physical and chemical principles in the preparation of fish and other marine forms for market.
3. **The Biochemistry of Fish Curing.** This course covers the post mortem chemical changes in fish flesh, as well as the processes occurring with each of the various methods of preparation.
4. **The Bacteriology of Fish Curing.** A study of the microorganisms of fish muscle, their effects and fate during fish handling processes.

The classes, Fisheries 1, 2, 3, and 4, will be given at the Fisheries Experimental Station (Atlantic) of the Biological Board of Canada, situated in the city about a mile from the University.

# Faculty of Law.

## Preliminary Statement.

The Faculty of Law was organized in 1883. A curriculum was then prescribed extending over three years and leading to the degree of Bachelor of Laws. The curriculum has been modified from time to time and at present closely corresponds to the Standard Curriculum recommended by the Canadian Bar Association.

A Chair of Constitutional and International Law was endowed by George Munro, of New York, in 1883, as one of his many generous benefactions to the University. Richard Chapman Weldon, Ph. D., was appointed to this Chair in the same year and was made Dean of the Faculty, and held this position until his retirement from teaching in 1914. The professorship of Contracts was held continuously from the beginning by Dr. Benjamin Russell, lately one of the Justices of the Supreme Court of Nova Scotia. Mr. Justice Russell ceased to deliver regular lectures in 1921. An additional full-time member of the staff was added in 1920, another in 1921, and a fourth in 1930. Besides the four full-time teachers, nine members of the Bench and Bar of the Province have during the past year given their services as voluntary lecturers in various courses at the School.

The Law School occupies the first two floors of the north wing of the Forrest Building on Carleton Street. A new building was erected on the Studley Campus in 1921 which is designed for the use of the Law School as soon as a new building can be erected for Arts. The Library of the Law School contains over 11,000 volumes, including practically all the English and Canadian Reports, a number of reports of the United States, and a number of sets of legal periodicals. The Library also includes a special collection of works dealing with the subjects of Legal History, Jurisprudence and Political Theory, known as the Bennett Collection.

**Affiliated Courses.**

A Bachelor of Arts of this University who has during his Arts Course taken the classes of the first year in Law may complete a subsequent Law course in the University in two years. Only four of such classes may be counted towards the Arts degree. See page 25.

**Arrangements with the N. S. Barristers' Society.**

Arrangements have been made with the Nova Scotia Barristers' Society whereby the University, when the Society desires it, will appoint two co-examiners for any subject of examination, one of them to be nominated by the Society. The Society in return will exempt from its Professional Examinations holders of the degree of Bachelor of Laws from Dalhousie University, but expressly stipulates that the examinations passed by the student must have included one by co-examiners on Procedure and Practice.

As students are expected to familiarize themselves with the subject-matter of the subjects of examination, whether covered by the lecturer or not, they are advised to consult not only the reference books recommended by the lecturer, but also those in the printed syllabus of the Professional Examinations of the Nova Scotia Barristers' Society.

The following information abstracted from the regulations of the Society is given for the benefit of those seeking admission to the Bar in this Province:

Attention is directed to the fact that by recent action of the Society the requirements of the Preliminary Examination for admission as an articled clerk have been raised, and that besides the Preliminary Examination a candidate for admission to the Bar of Nova Scotia has now to pass three professional examinations instead of two. These changes took effect as respects the Preliminary Examination on January 1st, 1924, and as respects the professional examinations on July 1st, 1924.

An applicant for admission to the Bar must pass four examinations, Preliminary, First, Second and Third Professional.

**Preliminary Requirements of the Society.**

The preliminary requirements must be satisfied before a candidate can be admitted as an articled clerk. In lieu of the examination certain certificates may be accepted. The subjects of examination are:—

1. English; 2. Geography and History; 3. Mathematics; 4. Latin; 5. Greek, or French, or German; 6. Constitutional History; 7 and 8, any two of the following:—Chemistry, Physics, Logic and Psychology, Surveying, Economics.

The grade of difficulty and comprehensiveness of the examinations is that of the corresponding examinations of the second year of a course in Arts of a recognized university. For the syllabus of the subjects see the printed regulations of the Society.

Candidates may be exempted from the Preliminary examination, in whole or in part, as follows:

(a) A candidate who presents to the Secretary satisfactory certificates of having completed Matriculation into any College or University approved by the Council of the Society for the purpose, and also of having attended and passed at some College or University approved by the Council of the Society for the purpose, at least ten regular classes of the course for the degree of Bachelor of Arts, of which two shall be English, one Mathematics, one Latin and two in another foreign language.

(b) A candidate who presents to the Secretary a satisfactory certificate that he is the holder of the diploma of Bachelor of Arts, Bachelor of Science, or Bachelor of Commerce, from any College or University approved by the Council for the purpose, provided that such candidate has completed matriculation in Latin into such College or University, or that he has passed an examination in Latin satisfactory to the Council.

#### Intermediate and Final Examinations of the Society.

No candidate who does not hold the degree of Bachelor of Arts from a College approved for the purpose shall be admitted to an Intermediate examination unless he has served as a duly articulated clerk for at least two years. Any candidate holding such degree may be admitted to the Intermediate examination after he has served as a duly articulated clerk for one year.

The time during which a student must serve under articles of clerkship is three years, if, (1), during this time he is a Bachelor of Arts, or, (2), at the time of application for admission to the Bar he is a Bachelor of Laws, of a recognized university. The time for all other students is four years.

A student during his term of service shall not engage in any employment, other than attendance at an institution of education in law, which will have the effect of interfering with such services.

#### 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 pp. 17 *et seq.*

The University, in recognition of its responsibility to the public, and for its own reputation, reserves the right to terminate the attendance of any student at any time should it appear that he is unlikely to reach such a standard, in the judgment of the Senate, as would warrant his admission to the practice of Law. Fees cannot be refunded to students who have been dismissed for any cause.

#### Degree.

The only degree conferred in the Faculty of Law is that of Bachelor of Laws (LL. B.).

#### Academic Year.

The Academic Year consists of one session of two terms covering a period of about thirty-six weeks. The first term of the session of 1931-32 will begin on Tuesday, September 8th, 1931, and end on Tuesday, December 22nd, 1931. The second term of the session of 1931-32 will begin on Tuesday, January 5th, 1932, and end on Tuesday, May 12th, 1932. The last day on which students can register for the work of this session is Saturday, September 12th, at noon. Students are registered for the whole session only and not for one or other of the two terms.

#### Admission.

Students are admitted to classes either as Special students without formal examination, or as Undergraduates in Arts taking the affiliated subjects in Law for the degree of Bachelor of Arts, or as regular Undergraduates in Law.

Special students.—Subject to the University regulations for the admission of students, (p. 10), a student may be admitted to classes in this Faculty as a Special student, but his attendance is not recognized as qualifying for a degree.

Undergraduates in Arts.—An undergraduate in Arts looking forward to the study of Law may take any four of the classes of the first year of the law course and have them count in place of three of the nine electives required for the degree of Bachelor of Arts (see p. 24). Such undergraduate should arrange his Arts Course so as to take along with it the remaining subjects of the

first year of the law course and thus be able to complete this course in two more years. For this purpose he should consult the Registrar early in his Arts Course.

Students who have Grade XII certificates and enter the Arts Faculty with advanced standing are advised that they cannot in general expect to complete the combined courses in Arts and Law in less than six years.

Undergraduates in Law.—All other candidates for admission must have completed Matriculation and must also present satisfactory certificates 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 Political Science, and any four classes to be chosen from the following:—Latin, French or some other foreign language, History, Logic and Psychology, Economics, Political Science, Accounting, Chemistry or Physics, Surveying. These ten classes may be reduced to five in the case of students who enter with advanced standing. Candidates for admission who present satisfactory certificates of having received the degree of Bachelor of Arts or of Science or of Commerce in course at some degree-granting College or University recognized by the Senate for the purpose may be admitted as undergraduates in Law whether or not their course for that degree has included the above specified subjects.

Students presenting themselves for the first time to register in the Faculty of Law must submit to the Registrar their diplomas or certificates to establish their qualifications, and *these must prove acceptable before the student can be registered. Students are consequently advised to mail such certificates to the Registrar for appraisal as far in advance as possible.*

Undergraduates of other approved law schools may, on producing satisfactory certificates, be admitted to advanced standing in this Law School. (p. 16).

**Matriculation.**

For details of the requirements for Matriculation, see pp. 11-16.

**Curriculum.\*****First Year.—**

*First Term.*—Contracts, History of English Law, Property I, Crimes, Torts.

*Second Term.*—Contracts, History of English Law, Property I, Crimes, Torts.

**Second Year.—**

*First Term.*—Property II, Bills and Notes, Bankruptcy, Corporations, Sales, Insurance, Procedure I, Agency and Partnership.

*Second Term.*—Property II, Bills and Notes, Corporations, Equity I, Sales, Procedure I, Agency and Partnership.

**Third Year.—**

*First Term.*—Constitutional Law, International Law, Shipping, Conflict of Laws, Mortgages, Equity II, Procedure II, Evidence.

*Second Term.*—Constitutional Law, International Law, Practical Statutes, Shipping, Equity II, Procedure II, Evidence.

The foregoing schedule is to be understood as subject to possible modification either by transposition of subjects from one term to the other, or otherwise.

Detailed information regarding the classes included in these courses will be found under Courses of Instruction, p. 93 *et seq.*

In addition to the work given in the regular subjects of the curriculum, special lecture courses will be given by members of the Bench and Bar. Attendance at these courses will be required.

No student shall be allowed to take a class belonging to a year in advance of his own year without special permission from the Faculty.

No student shall be allowed to takê classes in other faculties of the University, without special permission from the Faculty of Law.

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\*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 University does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

The Faculty urgently recommends that students devote their whole time during sessions to the work of the School, experience having proved that students who undertake office work in addition to the work of their classes receive comparatively little advantage from the lectures.

#### **Special Course of Lectures.**

McGill University, Osgoode Hall Law School and Dalhousie University have agreed to exchange law lecturers every year, and pursuant to this arrangement Cecil A. Wright, B. A., S. J. D., of Osgoode Hall Law School, gave in 1931 three lectures on Unjust Enrichment and the Common Law. In 1932 the visiting lecturer will come from McGill University.

#### **Attendance.**

In order to be permitted to write an examination, a student must have credit for attendance in 90 per cent. of the lectures or other meetings of the class in question.

#### **Examinations.**

Examinations in the subjects of the First Term will be held immediately before the Christmas vacation. Examinations in the subjects of the Second Term will be held after the close of lectures in the spring, and will cover the whole work of the session in these subjects.

#### **Supplementary Examinations.**

If a student fail to pass in not more than two subjects of his first year, or in not more than three subjects of his second or third year, at the sessional examinations, he may be allowed a supplementary examination in such subject or subjects at the specified times for such examinations. In case of more serious failure he must repeat his year.

Students failing to pass in fifty per cent. of the work of any term will not be allowed to proceed with the work of the following term without special permission of the Faculty.



If a student fail in more than one subject of his year, he must pass in at least all but one of them at a subsequent supplementary examination before he can enter upon the studies of the next higher year.

Supplementary examinations in all subjects are held at the beginning of the session, and at the end of each term in the subjects of that term only on the day and hour set for the regular examinations, but at no other times.

Students who wish to present themselves at a supplementary examination must make written application on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office. *The fee must in all cases accompany the application for examination.*

#### Medals and Prizes.

**University Medal in Law.**—This medal will be awarded on graduation to the student standing highest among those taking the full regular third year curriculum, provided he reaches a very high standard of excellence, and obtains First Class Distinction in at least all but three of the subjects of examination.

**Carswell Prizes.**—Books to the value of \$100, (\$20, for the first year, \$30 for the second year, \$50 for the third year) will be awarded to the students making the highest aggregates in their respective years.

**MacDonald Prize.**—Books to the value of approximately \$20 will be awarded to the student of the second year who, in the opinion of the Faculty, has shown the most satisfactory progress during that year and has attained at least second-class standing.

**Carswell Essay Prize.**—Books to the value of \$15 will be awarded to the student of the first year who submits the best essay on a selected topic.

#### Fees.

*All fees and deposits are payable in advance, and until these are paid the student will neither receive credit for attendance upon any class, nor be admitted to any examination.*

## Faculty of Law.

**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 12 noon on last regular registration day, for each day..	2.00

**For Tuition, Examinations and Diplomas.**

For each class attended, when taken singly . . . . .	\$ 40.00
Payable by those taking the regular prescribed curriculum, each year . . . . .	200.00
Students departing from the prescribed curriculum will be charged for each class singly; but the maximum charge for three years shall be . . . . .	700.00
For each Supplementary examination . . . . .	5.00
For LL. B. diploma (payable before the Third Year or final examinations, and returnable in case of failure) . . .	10.00
Additional fee when a degree is conferred in absentia . .	5.00

The student must pay the fees for the full year whether the classes are attended for all or part of the course, except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason.

A class taken a second time is charged for as if taken for the first time.

See pages 17, 20 and 21 for

**Fee for Health Service.**

**Students' Loan Fund.**

**Caution Deposit.**

**Fee for Support of Student Organizations.**

**COURSES OF INSTRUCTION.**

**First Year.**

**Contracts.**

Lecturer.....S. E. Smith.

*Three lectures per week, both terms.*

The class includes a study of the general principles of the law of Contract.

Text Books: Wright: *Cases on Contracts*. Anson: *Contracts*. Pollock: *Contracts*. Tille on *Contracts, Corpus Juris*.

**History of English Law.**

Lecturer.....J. W. Godfrey.

*Three lectures per week, both terms.*

The class includes a study of the development of the English law from the Anglo-Saxon period to modern times.

Text Books: Pollock and Maitland: *History of English Law*. Maitland: *Forms of Action*. Maitland and Montague: *Sketch of English Legal History*. Jenks: *Short History of English Law*. Holdsworth: *History of English Law*.

**Property I.**

Lecturer.....H. E. Read.

*Three lectures per week, both terms.*

General principles of the law of Personal Property. Possession of lands and chattels. Elementary principles of the law of Real Property.

Text Books: Read: *Cases on Personal Chattels*. Robinette: *Readings on Real Property*.

**Crimes.**

Lecturer.....I. C. Doty.

*Two lectures per week, both terms.*

The class includes a study of the substantive law of Crimes and also Criminal Procedure.

Text Book: Tremear: *Canadian Criminal Code, Annotated*.

**Torts.**

Lecturer.....V. C. MacDonald.

*Three lectures per week, both terms.*

The class includes a study of the general principles of the law of Torts.

Text Books: Clute and MacDonald: *Cases on the Law of Torts*. Salmond: *Torts*. Pollock: *Torts*.

**Second Year.**

**Property II.**

Lecturer.....J. T. MacQuarrie.

*Two lectures per week, first term; three lectures per week, second term.*

**Faculty of Law.**

The class will include a study of the law of Real Property, the Wills Act, Drafting and Interpretation of Wills, law of Landlord and Tenant, and Conveyancing.

**Bills and Notes.**

Lecturer.....J. T. MacQuarrie.

*Two lectures per week, both terms.*

The class includes a study of the Bank Act, the Bills of Exchange Act, and of the general principles of the law governing Negotiable Instruments.

Text Books: Russell: *Bills*. Falconbridge: *Banking and Bills of Exchange*.

**Bankruptcy.**

Lecturer.....V. C. MacDonald.

*Two lectures per week, first term.*

The class is based upon the Bankruptcy Act and recent decisions of the Courts.

Text Book: Bradford and Greenberg: *The Bankruptcy Act*.

**Corporations.**

Lecturer.....J. T. MacQuarrie.

*Two lectures per week, both terms.*

The class includes a general survey of the leading principles of Company Law and also a study of the Dominion and Provincial Acts.

Text Books: Palmer: *Company Law*. Masten and Fraser: *Company Law*.

**Equity I.**

Lecturer.....H. E. Read.

*Four lectures per week, second term.*

The class includes a study of the principles relating to Specific Performance, Injunctions, Mistake and Misrepresentation.

Text Book: Smith and Read: *Cases on Equity*.

**Sales.**

Lecturer.....V. C. MacDonald.

*Two lectures per week, both terms.*

The class includes a study of the law governing the Sale of Goods.

Text Books: Falconbridge: *Cases on Sales*. Benjamin: *Sale*. Williston: *Sales*.

**Insurance.**

Lecturer.....F. H. M. Jones.

*Two lectures per week, first term.*

The class includes a study of the law governing the different types of Insurance.

**Procedure I.**

Lecturer.....A. L. Macdonald.

*Two lectures per week, both terms.*

The course includes a study of the Judicature Act and Rules.  
Text Book: *Nova Scotia Judicature Act and Rules.*

**Agency and Partnership.**

Lecturer.....V. C MacDonald.

*Two lectures per week, both terms.*

This course includes a study of the principles of the law of Agency, including Master and Servant.

Text Books: Wright: *Cases on Agency.* Bowstead: *Agency.* Mechem: *Agency.* Pollock: *Partnership.*

**Third Year.**

**Constitutional Law.**

Lecturer.....S. E. Smith.

*Two lectures per week, first term; three lectures per week, second term.*

The class includes a general study of the principles of Constitutional Law applicable throughout the Empire, and a detailed study of the British North America Act and the principles peculiar to the Canadian Constitution.

Text Books: Clement: *Canadian Constitution.* Lefroy: *Short Treatise on Canadian Constitutional Law.* Dicey: *Law of the Constitution.*

**International Law.**

Lecturer.....H. E. Read.

*Two lectures per week, both terms.*

History of the development of International Law. The law governing Nations especially during Peace. Referring to rules of Neutrality and War. International Courts and Arbitration. The League of Nations and International Organization.

Text Books: Stowell and Munro: *International Cases.* Hudson: *Cases on International Law.*

**Practical Statutes and Rules of Interpretation.**

Lecturer.....J. A. Walker.

*Two lectures per week, second term.*

The class includes a study of the principles of Interpretation, and also a study of some of the more important Provincial Statutes.

Text Book: Maxwell: *Statutes.*

**Shipping.**

Lecturers.....C. J. Burchell, F. D. Smith.

*One lecture per week, both terms.*

The class includes a study of the law of Shipping and of Admiralty Practice.

Text Books: McLachlan: *Shipping*. Mayers: *Admiralty Law and Practice*. Marsden: *Collisions at Sea*. Lowndes: *General Average*.

**Conflict of Laws.**

Lecturer.....H. E. Read.

*Four lectures per week, first term.*

The class includes a study of the leading principles of Private International Law.

Text Books: Falconbridge: *Cases on Conflict of Laws*. Title: *Conflict of Laws*, *Corpus Juris*.

**Mortgages and Suretyship.**

Lecturer.....S. E. Smith.

*Three lectures per week, first term.*

The class includes a study of the law governing Mortgages of Real Estate, and also the law of Suretyship.

**Equity II.**

Lecturer.....S. E. Smith.

*Two lectures per week, both terms.*

The class includes a study of the law governing Trusts and Trustees.

Text Book: Smith: *Cases on Trusts*.

**Procedure II.**

Lecturer.....J. E. Rutledge.

*Two lectures per week, both terms.*

This course is a continuation of Procedure I. Instruction will also be given by special lecturers on Legal Ethics, Divorce Practice and Crown Rules.

**Evidence.**

Lecturer.....Mr. Justice Carroll.

*Two lectures per week, both terms.*

The course includes a study of the law of Evidence generally and of the Dominion and Provincial legislation.

Text Books: Wigmore: *Evidence*. Best: *Evidence*. Phipson: *Evidence*. Cockle: *Cases on Evidence*.

**Note**—The following works are used for the purpose of reference in the classes of the curriculum generally:—*Corpus Juris*, *The Laws of England*.

Special training in briefing and in the solution of research problems is also given.

# Faculty of Medicine.

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## Preliminary Statement.

In accordance with an agreement entered into in 1911 between the Governors of Dalhousie University and the Corporation of the Halifax Medical College, the work of the latter institution was forthwith discontinued, and instruction in all subjects of the medical curriculum was undertaken by the University.

By an arrangement between Dalhousie University and the Provincial Medical Board of Nova Scotia, the final Professional Examinations are conducted conjointly by the University and the Board, and hence candidates may qualify at the same time for the academic degree and the licence of the Board.

## Important Notice.

Students who look forward to practising in some other province are reminded that they must conform to the regulations prescribed by the Medical Board or Council of that province. Official information relative to the regulations for licence to practise in the various provinces may be obtained from the Registrars of the Provincial Medical Boards or Councils. Inasmuch as some licensing boards require that applicants for the licence to practise must have been registered as medical students for five years before taking their final professional examinations, students are advised to register with the licensing board of the province or state to which they belong on commencing their medical studies. The names and addresses of the Registrars of the Medical Boards for the Maritime Provinces and Newfoundland are as follows:

**Nova Scotia**, Dr. W. H. Hattie, Halifax.

**New Brunswick**, Dr. S. H. McDonald, Saint John.

**Prince Edward Island**, Dr. H. D. Johnson, Charlottetown.

**Newfoundland**, Dr. T. M. Mitchell, St. John's.

### Privileges.

The General Medical Council of the United Kingdom admits graduates in Medicine of Dalhousie University who have passed the professional examinations conducted jointly by the University and the Provincial Medical Board, and have been licensed by the Board, to registration in the Colonial List of the British Medical Register. This confers precisely the same privileges as registration on the British List, viz., the right to obtain, without further examination, the licence to practise medicine in nearly every part of the British Empire and also in Italy and Japan.

For information relative to registration in the Colonial List of the British Register application should be made to the Registrar of the Provincial Medical Board of Nova Scotia. Information with regard to Army commissions will be furnished on application to the Militia Headquarters of the nearest Command or District.

### Equipment and Facilities for Teaching.

The laboratories of anatomy, histology and embryology are situated in the Forrest Building, where the didactic teaching in these and in some other subjects is carried on. The completion of the Medical Sciences Building provided room in the Forrest Building for extension of the laboratories of anatomy, histology and embryology and for more museum space for these branches of the curriculum. The department of anatomy is well supplied with models, sections, etc. and lends bones to students for home study, free of charge.

The laboratories of pathology and bacteriology of the Victoria General Hospital were designed to provide for teaching and research in these subjects and were made available to the University. The building which accommodates these laboratories has recently been greatly enlarged and provides superior facilities for the practical instruction of students. The laboratories of the Provincial Department of Health are situated in this building.

The laboratories for physiology, biochemistry, pharmacology and pharmacy are located in the Medical



Sciences Building. These laboratories, which were carefully designed to meet the requirements of modern teaching, are commodious, well lighted, and very completely equipped. Generous provision has been made for research work, and special attention has been given to the comfort and convenience of the students both in the laboratories and in the lecture rooms which are included in the building.

The opportunities for clinical teaching are exceptionally good, owing to the fact that the Victoria General Hospital, the Children's Hospital, the Tuberculosis Hospital, the Grace Maternity Hospital, the Infectious Diseases Hospital and the City Home are all grouped about the Medical College. The University building known as the Dalhousie Public Health Clinic, was planned to serve as an out-patient department to these various institutions, and to it the Halifax Visiting Dispensary has removed. Here, too, the work of several agencies which are concerned with the promotion of public health is centred. This building not only materially increases the students' opportunities for clinical study of the commoner illnesses, but provides facilities for demonstrating the bearings of social and home conditions upon health.

Students are admitted to all the hospitals mentioned upon terms which are unusually favourable for clinical teaching. The Victoria General Hospital, with 250 beds, affords admirable opportunities for the observation and study of the more acute and serious forms of disease, and maintains a very active surgical service. In its special wards, diseases of women and children, skin diseases and diseases of the eye, ear, nose and throat are studied clinically. The X-ray and radium service of the Hospital is well established, and excellent laboratory facilities are provided for the investigation of special clinical problems. The Children's Hospital (80 beds), the Tuberculosis Hospital (60 beds), the Grace Maternity Hospital (70 beds), and the Infectious Diseases Hospital (40 beds), are all admirably equipped, and the advantages they offer for clinical instruction are made fully available to the University.

Opportunity for the study of the more chronic diseases is provided in the hospital wards of the City Home.

Clinical instruction in mental disorders is given at the Nova Scotia Hospital, Dartmouth, which accommodates 480 patients, and which offers to students the privilege of studying any type of disease which may be under treatment in the institution.

#### **Course in Public Health Nursing.**

If there is a sufficient number of applicants, a course in Public Health Nursing, beginning in September and extending over a period of nine months, will be open to graduate nurses, whose educational standing is satisfactory for entrance to a University course. A certificate will be granted upon successful completion of this course. For additional information apply to the Assistant Dean.

#### **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 pp. 17 *et seq.*

Medical students must further observe the regulations of the hospitals relative to students and student internes, and any violation of such regulations will be dealt with in the same way as if a University regulation were violated.

The University, in recognition of its responsibility to the public, and for its own reputation, reserves the right to terminate the attendance of any student at any time should it appear, in the judgment of the Senate, that he is unlikely to reach such a standard as would warrant his admission to the practice of medicine. Fees cannot be refunded to students who have been dismissed for any cause.

#### **Academic Year.**

Except in the fifth year, the Academic Year consists of one session of eight months' duration. The session of 1931-32 will begin on Tuesday, Sept. 8th, 1931 (except in the fifth year, which begins immediately upon completion of the fourth year), and will end on

Tuesday, May 10th, 1932. Registration dates for the classes in the Faculty of Arts and Science preliminary to the Medical curriculum will be found on p. 23.

### Degrees.

Two medical degrees are conferred, viz., Doctor of Medicine (M. D.) and Master of Surgery (C. M.); but neither degree is conferred on any person who does not at the same time obtain the other.

### Admission and Grading.

All persons who have satisfied the Entrance Requirements (p. 15) in Medicine are eligible for admission, but the number of those who will be admitted in any one year is limited and only those having the highest qualifications are accepted. Application must be made on a form to be obtained from the Registrar.

For admission to any subsequent year an undergraduate must have passed the examinations required in all subjects of the preceding year, unless in exceptional cases special permission is given by the Committee on Studies. Students who fail in the spring examinations may come up for supplementary examinations in the autumn under the following conditions:

(a) In the case of students of the first, fourth and final years, supplementary examinations will not be allowed in more than two subjects.

(b) In the case of students of other years, the number of subjects in which supplementary examinations will be allowed will at no time exceed three.

(c) In the case of students of all years, those who fail to pass in all of the subjects of their year at the spring examinations, or to pass at the next ensuing supplementary examination all subjects in which they may have been allowed examination, must repeat attendance on all the courses of the year before again coming up for examination, unless a different course is prescribed by the Committee on Studies.

Subject to the University regulations for the admission of students, a Special student may be admitted to classes in this Faculty, but his attendance is not recognized as qualifying for a degree.

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

No person under sixteen years of age is admitted to any class.

### Entrance Requirements.

Full details of the requirements for Entrance will be found on pp. 11-16.

### \*Curriculum.

The course for the degrees of Doctor of Medicine and Master of Surgery extends over five years. Detailed information regarding the classes included in it will be found under "Courses of Instruction," pp. 110 *et seq.*

The following division of the Curriculum into years, and the corresponding examinations, will be followed as closely as possible, but some modifications may be found necessary.

**First Year.** Anatomy 1 and Practical Anatomy 1; Histology; Embryology; Physiology 1; Biochemistry 1.

**Second Year.** Anatomy 2 and Practical Anatomy 2; Structural Neurology; Physiology 2; Biochemistry 2; Psychology; Pathology 1; Bacteriology; Practical Materia Medica; Introduction to Clinical Surgery and Clinical Medicine; Practical Medicine.

**Third Year.** Pathology 2; Laboratory Medicine; Pharmacology; Surgery and Clinical Surgery; Medicine and Clinical Medicine; Obstetrics and Gynaecology.

**Fourth Year.** Surgery and Clinical Surgery; Surgical and Applied Anatomy and Operative Surgery; Medicine and Clinical Medicine; Obstetrics and Clinical Obstetrics; Clinical Gynaecology; Ophthalmology and Otology, etc.; Medical Jurisprudence and Toxicology; Therapeutics; Mental Diseases and Psychiatry; Paediatrics; Vaccination; Clinico-Pathological Conferences; Autopsies.

**Fifth Year.** The fifth year, a full calendar year beginning immediately after the completion of the

\*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 University does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

fourth year, is one of hospital interneship. Students are required to attend, as far as hospital duties will permit, the regular clinics at the Victoria General Hospital and the Public Health Clinic.

### Regulations for Degrees.

In addition to the Matriculation and Entrance examinations, candidates for degrees are required to pass five Professional Examinations. The requirements in each subject are covered by the work of the class or classes in that subject specified under "Courses of Instruction" (pp. 110, *et seq.*). In all examinations the marks obtained at sessional tests and at Christmas examinations will be considered in computing the marks allowed in each subject at the spring professional examinations. The examinations in the various subjects will be held within the dates set in the University Almanac, and as posted on the Notice Boards, and are arranged as follows:

#### First Professional Examination.

One paper in each of the following subjects: Anatomy, Histology, Embryology, (oral examinations during the session in these subjects); a practical examination in Anatomy; one paper and an oral examination in each of Physiology and Biochemistry, (practical examinations during the session in these subjects).

#### Second Professional Examination.

One paper in each of Psychology, Pathology, and Practical Materia Medica; one paper and an oral examination in each of Anatomy, Structural Neurology, Physiology, Biochemistry, Bacteriology; practical examinations during the session in Physiology, Biochemistry, Practical Materia Medica and Bacteriology.

#### Third Professional Examination.

A paper and an oral examination in each of the following: Pathology, Pharmacology; a practical examination in Pathology; a paper in each of the following: Surgery, Medicine, Obstetrics and Gynaecology, Hygiene; a practical examination in Laboratory Medicine.

**Fourth Professional Examination.**

One paper in each of the following subjects: Surgery in all its departments and including Surgical Anatomy; Medicine in all its departments and including Therapeutics; Obstetrics and Diseases of Women and New-born Children; Medical Jurisprudence and Toxicology; Mental Diseases and Psychiatry; Paediatrics. The examinations in Surgery, Medicine, and Obstetrics and Gynaecology, are conducted jointly by the University and the Provincial Medical Board.

**Fifth or Final Professional Examination.**

An oral examination in each of the following subjects: Surgery in all departments and including Surgical Anatomy; Medicine in all its departments and including Therapeutics; Obstetrics and Diseases of Women and New-born Children. Also a practical clinical examination in each of Surgery, Medicine, and Obstetrics and Gynaecology. All these are conjoint examinations.

**Pass and Distinction Lists.**

The names of candidates successful in the examinations are arranged in the published lists in two divisions, the Pass and Distinction divisions. To pass, a candidate must obtain a minimum mark of 50 per cent. in each subject.

For Distinction in any subject he must obtain a mark of 75 per cent. or over in that subject. The names in the Pass division of the list are arranged in alphabetical order; those in the Distinction list are in order of merit.

**Admission to Examinations.**

Candidates for admission to Degree examinations must conform to the following requirements:

1. They must have satisfied the Entrance requirements (p. 15).
2. They must have attended the prescribed classes regularly and punctually. Certificates indicating less than 90 per cent. of attendance upon any class will not in ordinary circumstances be accepted.
3. They must have prepared such exercises, reports, etc., as may have been prescribed, and, in the

case of classes involving laboratory or practical work, they must have completed such work satisfactorily.

4. For admission to the examinations of the second or any higher year they must have passed the examinations of all previous years. [Except as stated on p. 101].

5. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax.....19...

I, the undersigned, being desirous of obtaining the Degrees of Doctor of Medicine and Master of Surgery do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that I shall have attained the age of twenty-one before the next graduation day).

(Signed).....

They must also present satisfactory certificates of having fulfilled the following requirements:—

i. Attendance (a) during at least two periods of eight months each on the practice of the Victoria General or other acceptable Hospital; (b) during at least one period of eight months on the practice of the Dalhousie Public Health Clinic; (c) on at least 15 maternity cases at the Grace Maternity Hospital, including delivery, under supervision, of three patients; (d) on the post-mortem examinations conducted at the Victoria General Hospital over a period of at least six months, during which instruction shall have been received in the methods of making such examinations and in framing reports; (e) on a course in surgical anatomy and operative surgery, during which operations shall have been performed on the cadaver to the satisfaction of the demonstrator.

ii. Service for at least eight months, in the Victoria General Hospital, as (a) clinical clerk in the medical wards; (b) dresser in the surgical wards; and of having submitted complete histories in ten medical and ten surgical cases.

iii. Received instruction and attained proficiency in (a) administration of anaesthetics; (b) practice of vaccination.

iv. Submission of satisfactory reports on investigations of domiciliary and occupational conditions in relation to the illnesses of an assigned number of patients of the Public Health Clinic.

v. Attendance on a course of lectures on the relationship of dental conditions to medical practice, and on an assigned number of clinics in dentistry.

### Supplementary Examinations.

The conditions under which supplementary examinations are allowed are set forth under "Admission and Grading" (p. 101).

Supplementary examinations are held in the autumn on the dates specified in the University Almanac, and during the regular Professional examinations in the spring, but at no other times.

Application for admission to a Supplementary examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office, and must be accompanied by the proper fee (p. 109).

### Exemptions.

Candidates may be exempted from *attendance* on one or more subjects of the first three years of the medical curriculum on presenting certificates,

- (a) of having satisfied the requirements for admission to the Faculty of Medicine (see page 15); and
- (b) of having attended and performed at any medical school or college recognized by the Senate the equivalent of the work required at this University.

Candidates may be exempted from *examination* in one or more subjects of the first three Professional examinations on presenting, in addition to the certificates specified under (a) and (b) above, certificates of having passed equivalent examinations at any medical school



or college recognized by the Senate for the purpose, but every such candidate must take all the examinations of the year to which he is admitted.

### Sponsio Academica.

Before admission to his degree, a candidate shall be required to sign the following oath or affirmation:—

In facultate Medicinae Universitatis Dalhousianae.

Ego, Doctoratus in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo:—me in omni grati animi officio erga Universitatem Dalhousianam ad extremum vitae halitum perseveraturum, tum porro Artem Medicam caute, caste, probeque exercitaturum et, quoad poterò, omnia ad aegrotorum corporum salutem conducentia, cum fide procuraturum, quae denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita praesens mihi spondenti adsit Numen.

### Medals and Prizes.

**University Medal in Medicine.**—This medal will be awarded on graduation to the student with the highest standing, provided he has reached the high standard set by the Faculty for that purpose.

**The Dr. Clara Olding Prize.**—This prize, of the value of \$40, the interest of an endowment of \$1,000 given by Dr. A.M. Hebb, of Dartmouth, as a memorial to his deceased wife, will be awarded annually to the student making the highest aggregate in the examinations of the fourth year, character and previous scholarship being taken into consideration.

**The Dr. John F. Black Prize.**—This prize, from the income of a bequest by the late Dr. John F. Black, a former Professor of Surgery, to be used by the Department of Surgery in the promotion of surgical teaching, will be awarded at the completion of the fourth year to the student who reaches the highest standing in Surgery.

**Prize in Medicine.**—This prize, of \$25.00, contributed by a member of the Faculty, will be awarded at the completion of the fourth year to the student who reaches the highest standard in Medicine and Therapeutics.

**The Andrew James Cowie, M. D., Memorial Medal.**—This medal, founded by Miss Florence J. Cowie in memory of her father, will be awarded each year to the member of the fourth year class having the highest standing in Obstetrics, provided his standing in other subjects is sufficiently high to justify an award.

**The Ross Stewart Smith Prize.**—This prize, of the value of \$75, contributed by Mrs. Eliza Cochran Smith in furtherance of the wishes of herself and her late husband, Dr. James Ross Smith, as a memorial to their late son, Ross Stewart Smith, will be awarded at the completion of the third year to the student who has carried on the most creditable advanced work in one or more of the preclinical subjects.

**The Dr. Lindsay Prize.**—A prize of books will be awarded to the student who stands first among those taking the second Professional examination, provided he shall have obtained Distinction in at least two of the subjects of examination.

**The Dr. Cameron Prize.**—This prize, endowed by Dr. John Cameron, former Professor of Anatomy, will be awarded to the student of the first year who makes the highest marks in Anatomy.

#### 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 will he 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 12 noon on last regular registration day, for each day. . . .	2.00

#### For Tuition.

The total fee payable by students taking the regular five year course, including registration, tuition, hospitals, clinics, laboratory work and the regular sessional examinations, is \$1250 payable in five annual instalments of \$250 each. This does not include caution and laboratory deposits and the fees for the support of student organizations and for health service. (See pp. 17 and 21).

The fees payable by students permitted to take one or more subjects of the course may be learned on application to the Bursar.

The tuition fee payable by a student repeating the regular classes of any one year of the curriculum will be \$150.

The student must pay the fees for the full year whether the classes are attended for all or part of the course, except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason.

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

**Microscopes.**

Each student on registering for the first time in the Faculty of Medicine must provide himself with a microscope of a design approved by the Faculty and equipped with the following accessories:—5X and 10X oculars, 16 mm., 4 mm., and 1.8 mm. oil immersion, objectives. The cost in Canada will be from \$70 upwards. Such an instrument is not only a necessity to the medical student but is an essential part of the equipment of a practitioner in Medicine. The microscope may be purchased from the University either for cash at cost or on an instalment plan spread over two or three years. Upon completion of the payments the microscope will become the property of the student. The payments are fixed as follows: \$30 the first year, \$20 the second year, and the balance the third year. These payments will be treated in the same manner as tuition and other fees and will be payable at the same time. A student electing to pay in either two or three instalments is required to furnish a Bond signed by himself and an acceptable surety to secure the University against loss. Until the payment is fully completed, microscopes must be turned in to the custody of the Dean's office at the end of each session, on the dates notified.

**For Examinations.**

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

Individual subjects of medical examination, each subject.	\$ 5.00
Supplementary examinations, each subject. . . . .	10.00

**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
For M. D., C. M. Diploma (payable before the final examination and returnable in case of failure). . . . .	10.00
Diploma, payable by those attending less than 4 years. . . . .	30.00
Additional fee when a degree is conferred <i>in absentia</i> . . . . .	5.00

See pages 17, 20 and 21 for

**Fee for Health Service.**

**Caution Deposit.**

**Laboratory Deposits.**

**Fee for Support of Student Organizations.**

**Students' Loan Fund.**

Med. Subjs.  
written by  
Dentals

1st. year: 110

Anat. 1,  
Physiol. 1  
Embryology  
Histology  
Biochem. 1

2nd. year:

Anat. 2  
Bact.  
Path. 1

3rd. year:

Path. 2 (special section)  
Surg. 1.

Faculty of Medicine

COURSES OF INSTRUCTION.

I. Anatomy.

Professor.....Donald Mainland.  
Assistant Professor.....Robert F. Ross.  
Demonstrators.....Clyde W. Holland, V. O. Mader.

**Human Anatomy.**—The course in Anatomy extends over the first two years, and is designed to give the student a comprehensive knowledge of the structure of the human body with emphasis on its application to medical and surgical practice. Two lectures are given weekly throughout the first year on lower limb, abdomen and thorax. Three lectures are given weekly throughout the second year on upper limb, and head and neck, with revision of the first year work. Dental students are not required to study the limbs.

Particular attention is given to the practical study of the subject. Medical students are required to make a careful dissection of the whole body. Dental students must dissect the head and neck and at least one other part. All dissection is done under careful supervision, and each student is given a practical examination at frequent intervals.

Text Book: Cunningham: *Manual of Practical Anatomy.*

**Histology and Embryology.**

Professor.....Raymond J. Bean.  
Instructor.....Elizabeth S. Bean.

**Histology.**—This course consists essentially of laboratory work and is intended to meet the requirements of medical students of the first year. It deals with the minute structure of the tissues and organs of the human body, their development and primary functions.

Text Books: Schafer: *Essentials of Histology.* Piersol: *Normal Histology.*

**Embryology.**—This course is intended primarily for medical students of the first year. It consists essentially of laboratory work supplemented by one didactic lecture per week. The problems of fertilization, segmentation, the development of the embryo and its protective membranes, are worked out in the laboratory by dissections and intensive study of slides. The materials used include the frog, chick, rabbit, pig and human.

A close relationship is maintained between Embryology and Histology, and the laboratory work in Embryology will occasionally be extended so as to include a portion of the time allotted to the course in Histology.

Text Book: Arey: *Developmental Anatomy.*

**Structural Neurology.**

Professors.....R. J. Bean, Donald Mainland.

This course is primarily for medical students of the second year. It consists of a series of lectures and demonstrations by the Pro-

fessors of Anatomy and Histology on the gross anatomy and microscopic structure of the nervous system.  
Text Book: Ranson: *Anatomy of the Nervous System*.

## II. Physiology.

*Professor* . . . . . E. W. H. Cruickshank.  
*Assistant Professor* . . . . . C. W. Startup.

1. A course of lectures and laboratory work during the first year on the physiology of muscle and nerve and an elementary course in human physiology, including the physiology of the heart and circulation, respiration, digestion and kidney function.

2. A senior course of lectures and laboratory work in the second year covering the physiology of the heart and circulation, respiration, digestion and metabolism, kidney and liver function, vitamins, ductless glands, central nervous system and special senses.

3. The Department shares in the course in Laboratory Medicine described on page 112

Text Books: Starling: *Essentials of Physiology*. MacLeod: *Physiology and Biochemistry in Modern Medicine*. Fraser, Hartman, MacLeod and Olmstead: *Laboratory Manual of Physiology*. Schafer: *Experimental Physiology*.

## III. Biochemistry.

*Professor* . . . . . E. Gordon Young.  
*Demonstrator* . . . . .

1. A course of lectures, conferences and laboratory work given to students of the first year, inclusive of the chemistry of the carbohydrates, fats, proteins and related substances, and their physico-chemical relationships in living matter.

2. A course of lectures and laboratory work given to students of the second year in the biochemistry of nutrition, digestion, metabolism and excretion in physiological and pathological aspects.

3. The Department shares in the course in Laboratory Medicine described on page 112. For this, each student is required to provide himself with a haemocytometer.

Text Book: Hawk: *Practical Physiological Chemistry*.  
Reference Books: Mathews: *Physiological Chemistry*. Von Furth: *Chemistry of Metabolism*. Wells: *Chemical Pathology*. Morse: *Applied Biochemistry*. Macleod: *Physiology and Biochemistry in Modern Medicine*.

## IV. Pathology, Bacteriology and Parasitology.

*Professor* . . . . . Ralph P. Smith.  
*Assistant Professor* . . . . . Robert A. H. MacKeen.  
*Demonstrator in Pathology and Bacteriology* . . . Clyde W. Holland.  
*Demonstrator in Pathology* . . . . . Norman H. Gosse.

**Pathology.**

1. A course of elementary lectures, one hour a week, on the general principles of Pathology, is given in the second term of the second year. Each lecture is followed by a laboratory period.

2. A course of lectures, four hours per week, is given in the third year, in which general principles of Pathology are applied to diseases of the several anatomical systems. The laboratory work is designed to be complementary to the lectures.

A short course on pathological conditions of the mouth is given to students of dentistry only.

3. Demonstrations are given frequently of fresh and preserved specimens illustrating morbid conditions of the several organs.

Students of the third and fourth years are required to assist at autopsies and to prepare and report upon specimens.

4. Conferences of clinicians and pathologists are held from time to time, at which advanced students attend and are expected to take part in the discussions.

**Bacteriology.**

1. A course of lectures covering the general field of Bacteriology, Immunology and Parasitology is given in the second year.

A short course on the bacteria of the oral cavity is given to students of Dentistry only. Dental students are not required to take the lectures on Immunology and Parasitology.

The laboratory work is designed to familiarize the student with the biological reactions and activities of bacteria.

2. The Department shares in the course in Laboratory Medicine described below.

Text Books: Pathology: Karsner, Boyd, McCallum, or Muir. Bacteriology: Muir and Ritchie, or Jordan. Practical Bacteriology: Mackie and McCartney. Parasitology: Chandler. Clinical Diagnosis: Todd and Sanford, or Nicholson.

**V. Laboratory Medicine.**

A course of lectures and laboratory work, given in the second term of the third year conjointly by the Departments of Physiology, Biochemistry and Pathology. Instruction is given in the examination of blood, stomach contents, faeces, sputum, exudates and transudates, in the investigation of kidney and liver function, in certain aspects of neuro-physiology, and in the use of the electrocardiograph.

Text Book: Nicholson: *Laboratory Medicine*.

**VI. Pharmacology.**

Professor ..... N. B. Dreyer  
Lecturer in *Materia Medica* ..... G. A. Burbidge

**Pharmacology.**—The course in Pharmacology, consisting of two lectures, one demonstration and one practical class per week, is given during the third year.

Text Book: Cushing: *Pharmacology & Therapeutics*.

**Practical Materia Medica.**—This course, given two hours per week in the second year, aims to provide an elementary knowledge of Materia Medica and prescription writing. As far as possible, instruction is imparted by means of practical laboratory exercises.

Text Books: Eggleston: *Prescription Writing*. American Medical Association: *Useful Drugs*. Gunn: *Introduction to Pharmacology*.

**VII. Surgery.**

*Professors* . . . . . E. V. Hogan (*Head of Dept.*), John Stewart, H. K. MacDonald, J. G. MacDougall, G. H. Murphy.

*Assistant Professor* . . . . . W. Alan Curry.  
*Lecturer* . . . . . C. E. Kinley.

1. A course of lectures, two hours per week, on the general principles of Surgery, is given during the third year. Dental students are not required to take lectures on fractures of limbs.

2. A course of lectures, two hours per week, on Regional Surgery, is given during the fourth year.

Text Books: Rose and Carless, Thomson and Miles.

**3. Surgical and Applied Anatomy, and Operative Surgery.**

A course, is given for students of the fourth year, of lectures and demonstrations illustrative of the application of anatomy to clinical work, with a series of operations on the cadaver performed by the students under the supervision of the instructor.

**VIII. Clinical Surgery.**

*Professors* . . . . . E. V. Hogan (*Head of Dept.*), H. K. MacDonald, J. G. MacDougall, G. H. Murphy.

*Assistant Professors* . . . . . Frank G. Mack, W. Alan Curry.

*Demonstrators* . . . . . J. F. Lessel, W. L. Muir, P. Weatherbe, M. G. Burris, D. J. MacDonald, T. B. Acker, Victor O. Mader, N. H. Gosse, C. E. Kinley, H. D. O'Brien, J. C. Acker.

**Clinical Surgery.**—A short course introductory to Clinical Surgery is given to second year students by Dr. Murphy, and in the third year classes in Clinical Surgery are held three times weekly under Dr. Curry.

In addition to lectures on cases at the Hospitals and Public Health Clinic, students of the fourth and fifth years are individually trained at the bedside in diagnosis and treatment. Students of the fourth year receive clinical lectures four days a week.

Fifth year students must attend clinical lectures when possible.

**Practical Surgery.**—The application of bandages, splints and other surgical appliances, the use of instruments and the treatment of emergencies and cases of minor surgery, are taught by Dr. Burris in the third year. A course of instruction in the administration of anaesthetics is given by Drs. Lessel and Muir.

## IX. Medicine.

<i>Professor</i> .....	K. A. MacKenzie.
<i>Assistant Professor</i> .....	J. R. Corston.
<i>Lecturers</i> .....	S. R. Johnston, T. M. Sieniewicz, J. L. Churchill, G. R. Burns, C. W. Holland.

1. A course of lectures and recitations, two hours per week, dealing with diseases of the digestive, circulatory and respiratory systems, blood and ductless glands, and diabetes, is given in the third year.

2. A course of lectures and recitations, two hours per week, dealing with infectious and constitutional diseases and diseases affecting the kidneys and the nervous system, is given in the fourth year.

Text Books: Osler and Macrae: *Principles and Practice of Medicine*. J. J. Connybeare: *A Textbook of Medicine*.

Reference Books: Osler: *Modern Medicine*. Tice: *Practice of Medicine*. Cecil: *Text Book of Medicine*. Cowan and Ritchie: *Diseases of the Heart*. Campbell Thompson: *Diseases of the Nervous System*. Church and Petersen: *Nervous and Mental Diseases*. Cohnheim: *Diseases of the Digestive System*.

## X. Clinical Medicine.

<i>Professor</i> .....	K. A. MacKenzie.
<i>Assistant Professors</i> .....	M. J. Carney, J. R. Corston
<i>Lecturers</i> .....	R. S. Johnston, T. M. Sieniewicz, G. R. Burns, C. W. Holland.
<i>Demonstrators</i> .....	R. A. H. MacKeen, A. M. Marshall, J. Rankine, J. W. Merritt, J. R. Mac- Lean, J. W. Reid, Jr., J. W. MacIntosh.

**Clinical Medicine.**—A short course introductory to Clinical Medicine is given by Dr. Rankine to second year students.

Clinical lectures and instruction are given to the students of the fourth year at the Hospitals and the Public Health Clinic at least four days a week throughout the session. Students are called upon in rotation to examine cases. Fifth year students must attend clinical lectures when possible.

Each student before graduation will be required to produce evidence of having served for at least eight months as clinical clerk in the Medical Wards and to submit histories of at least ten medical cases.

**Practical Medicine.**—Practical instruction in the methods of examining patients is given to the students of the second and third years, by Doctors Sieniewicz, Burns, Holland and Reid. Radiology and electrocardiography are included in this course. The class is divided into groups for instruction purposes.

Text Books: Hutchinson and Rainey: *Clinical Methods*. Emerson: *Physical Diagnosis*. Cabot: *Differential Diagnosis*. Norris and Landis: *Diseases of the Chest and Principles of Physical Diagnosis*. Seifert and Mueller: *Manual of Physical and Clinical Diagnosis*. Purvis Stewart: *Diagnosis of Diseases of the Nervous System*. Bourne: *Medical History and Case Taking*.



## XI. Obstetrics and Gynaecology.

*Professor of Obstetrics and Gynaecology* H. B. Atlee (*Head of Dept.*).  
*Professor of Obstetrics*.....E. K. Maclellan.  
*Associate Professor of Obstetrics*.....W. B. Almon.  
*Demonstrators of Practical Obstetrics*..P. A. Macdonald (*Chief of Clinic*), E. K. Maclellan, H. B. Atlee, W. G. Colwell.

**Obstetrics.**—A course of lectures, two hours per week, is given in the third year. Advanced instruction is given to groups of students in the fourth year.

In the fourth year instruction is given in prenatal care at the Public Health Clinic and the Grace Maternity Hospital, and students attend in rotation at the Grace Maternity Hospital for clinical instruction in Obstetrics. Students who have acquired proficiency are attached, in rotation, to the "obstetrical unit" for attendance on obstetrical patients at their homes.

**Gynaecology.**—A course of didactic lectures, two hours per week, is given in the third year.

In the second term of the third year, and throughout the fourth year, the class attends clinical lectures twice weekly at the Victoria General Hospital. Clinical instruction is given [to groups, in the fourth year, at the bedside in the hospital, and at the Public Health Clinic.

Text Books: Obstetrics: Eden: *Manual of Midwifery*. Williams: *Obstetrics*. Gynaecology: Eden and Lockyer: *Gynaecology for Students and Practitioners*. Anspach: *Gynecology*.

## XII. Medical Jurisprudence.

*Lecturer*.....Frank V. Woodbury.

A short course of lectures, in the fourth year, is devoted to the consideration of the more common medico-legal problems, and the class attends (in groups) at autopsies in medico-legal cases. Instruction in Toxicology is given by the Professor of Pharmacology.

Text Book: Glaister: *Text Book of Medical Jurisprudence and Toxicology*.

## XIII. Therapeutics.

Clinical Therapeutics is taken up in the regular courses in Medicine. This work is supplemented by a series of lectures by special lecturers on electro-therapy, hydro-therapy, climatology, radiology, massage and clinical dietetics, given in the fourth year.

Text Books: Rudolf: *Medical Treatment of Disease*. Hare: *Practical Therapeutics*. Clendening: *Modern Methods of Treatment*.

## XIV. Hygiene and Public Health.

*Professor*.....W. H. Hattie  
*Lecturer*.....W. D. Forrest.  
*Assistant*.....Marjorie E. Trefry.

A course of lectures, designed to present concisely the accepted practices in Hygiene and Public Health, is given in the third year.

Students of the fourth year are required to investigate, under competent direction, the effect of domiciliary and occupational conditions on the causation, progress and prognosis of the illnesses of a limited number of out-patients of the Public Health Clinic. Full reports of such investigations are required.

Text Book: Hope and Stallybrass: *Text Book of Public Health*. Alternatives: Parkes and Kenwood: *Hygiene and Public Health*. Currie: *Text Book of Hygiene*

### XV. Urology and Dermatology.

Assistant Professor..... Frank G. Mack.

In the fourth year, about fifteen clinical lectures and demonstrations are given in Urology and an equal number in Dermatology and Syphilology. For these the class attends at the Victoria General Hospital. The class is divided into groups for clinical instruction in these subjects at the Public Health Clinic.

Text Books: Eisendrath and Rolnick: *Urology*. Walker: *An Introduction to Dermatology*. Andrews: *Diseases of the Skin*. Stokes: *Modern Clinical Syphilology*.

### XVI. Eye, Ear, Nose and Throat Diseases.

Professor..... R. Evatt Mathers.

Assistant Professors..... A R. Cunningham, A. E. Doull.

Demonstrators..H. W. Kirkpatrick, H. W. Schwartz, A. E. Doull, Jr.

Lectures, mostly clinical, are given in the fourth year each week throughout the session. Clinical instruction is given to groups of students at the Victoria General Hospital and the Public Health Clinic.

Text Books: May: *Diseases of the Eye*. Turner: *Diseases of the Nose, Throat and Ear*.

### XVII. Psychology.

Assistant Professor..... F. H. Page.

A course of lectures is given in the second year, in which the general principles of Psychology, especially in relation to medical practice, are concisely presented.

Text Book: Warren and Carmichael: *Elements of Human Psychology*.

### XVIII. Mental Diseases and Psychiatry.

Professor..... W. H. Hattie.

Demonstrators..... F. E. Lawlor, A. R. Morton.

A course of didactic lectures dealing with the principal forms of Mental Disease is given in the fourth year. Clinical instruction is given to groups of students by Drs. Lawlor and Morton at the Nova Scotia Hospital.

Text Book: Cole: *Mental Diseases*. Alternatives: Stoddart: *Mind and its Disorders*. Craig: *Psychological Medicine*.

XIX. Paediatrics.

Assistant Professor..... M. J. Carney.  
Demonstrators..... G. B. Wiswell, J. G. D. Campbell.

A course of weekly lectures is given in the fourth year. In addition, clinical instruction in diseases of children is given by members of the staffs of the Victoria General Hospital, the Children's Hospital and the Public Health Clinic.

Text Books: Chapin and Royster: *Diseases of Infants and Children*. Alternatives: Still: *Common Disorders and Diseases of Children*. Holt: *Diseases of Infancy and Childhood*.

XX. Vaccination.

The student will receive instruction in this subject at the Public Health Clinic and other institutions. He will be required to perform the operation and note results so as to obtain a certificate of proficiency.

XXI. Medical History and Medical Ethics.

If requested by a sufficient number of students who have completed the second year, a course of approximately ten lectures will be given by members of the teaching staff. In the course in Medical History the endeavour will be made to indicate systematically the influence of current thought upon medical teaching at different times, and the manner in which scientific developments have been correlated to medicine. Three lectures will be devoted to Medical Ethics.

\*For information address Dr. W. D. (117) Secretary of the Dentists' Dental Council, Victoria, B.C.

# Faculty of Dentistry.

## Preliminary Statement.

An agreement was consummated in 1911 between the Board of Governors of Dalhousie University and the Provincial Dental Board of Nova Scotia, whereby the Maritime Dental College was merged into the Faculty of Dentistry of the University.

The instruction in the purely scientific subjects and in the professional subjects common to Dentistry and Medicine is taken by Dental students in common with the students of the Faculties of Arts and Science and of Medicine. Instruction in the Dental subjects is given in the Dental Apartments, in the south wing of the Forrest Building; these include the Infirmary and the Dental Laboratories. Abundant dental infirmary practice is available, and all operations are supervised by practitioners in active dental practice with many year's experience in teaching. The Victoria General Hospital is near by, and affords an ample surgical clinic. The new Health Centre rounds out a group of medical, surgical and dental clinics and laboratories, all in close proximity. In it are carried on the school and pre-school-age dental clinics under the supervision of experienced practitioners, and excellent opportunities are thereby afforded for the study of Preventive Dentistry, Anaesthesia, Diagnosis, etc. They are available to medical as well as dental students, thus promoting the closer association of the two professions. The laboratory of Pathology and Bacteriology which has been erected and equipped by the Hospital Commission in connection with the Victoria General Hospital affords superior facilities for both elementary and advanced study of these subjects. A section of the International Association for Dental Research has been organized by members of the Faculty with which students are encouraged to cooperate.

### Important Notice.

Students are reminded that the Dental degree does not necessarily qualify for admission to practise in any province, each province having its own regulations for admission, to which a candidate must conform. Particulars regarding these regulations in each of the Maritime Provinces and in Newfoundland may be obtained from the respective Registrars.

### Dominion Dental Council.

The Dominion Dental Council of Canada is a central organization under the control of the dental profession of Canada. Its object is to erect and maintain a standard of education and ethics for the dental profession, and to conduct professional examinations and issue Certificates of Qualification which will be accepted without further examination by the provinces.\* These certificates are now accepted in all the provinces except Quebec and British Columbia.

Dental students who comply with the Council's Matriculation or Preliminary education requirements and term of studentship, and who graduate from an accepted Canadian dental college, and pass the examination of the Council, may be registered in any province in Canada without further examination (British Columbia and Quebec excepted). This privilege is enjoyed by the graduates in Dentistry of this University, as its Matriculation regulations meet the requirements of the Council, and the Faculty of Dentistry is on the accepted list of Canadian Colleges. Graduates are also eligible for admission to the licensing examination in Newfoundland, all the provinces of Canada and the States of New York and Massachusetts.

### General University Regulations.

University regulations applicable to the students of all Faculties and relating to residence, church attendance, discipline, etc., will be found on pp. 17 *et seq.*

The University, in recognition of its responsibility to the public, and for its own reputation, reserves the

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\*For information address Dr. W. D. Cowan, Secretary of the Dominion Dental Council, Regina, Sask.

right to terminate the attendance of any student at any time should it appear that he is unlikely to reach such a standard, in the judgment of the Senate, as would warrant his admission to the practice of Dentistry. Fees cannot be refunded to students who have been dismissed for any cause.

#### Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1931-32 will begin on Tuesday, Sept. 8th, 1931, and end on Tuesday, May 10th, 1932.

No students will be admitted after noon of Saturday, Sept. 12th.

#### Degree.

The only degree conferred in the Faculty of Dentistry is that of Doctor of Dental Surgery (D. D. S.).

#### Admission of Students.

A student will not be admitted to the classes of any year, unless he has passed in all the subjects of the previous year.

Students intending to practise in any province of the Dominion or in another country are reminded that they must conform to all the regulations of that province or country.

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

No person under sixteen years of age is admitted to any class.

#### Entrance Requirements.

Full details of the requirements for Entrance will be found on pp. 10 *et seq.*

#### Curriculum.\*

The course for the degree of Doctor of Dental Surgery extends over four years. The course is as follows:

\*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 University does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

**First Year.** (*New Course*)

Anatomy 1 and Practical Anatomy, Biochemistry 1, Dental and Comparative Dental Anatomy, Drawing and Modelling, Embryology, Histology, Metalcraft, Physiology 1, Preventive Dentistry.

**Second Year.** (*New Course*).

Anatomy 2, Bacteriology 1, Exodontia, Materia Medica, Metallurgy, Operative Dentistry, Pathology 1, Preventive Dentistry, Prosthetic Dentistry.

**Third Year.** (*New Course*).

Crown and Bridge Work, Dental Infirmary, Dental Pathology and Therapeutics, Hospital, Operative Dentistry, Orthodontia, Pathology 2, Preventive Dentistry, Prosthetic Dentistry, Radiology, Surgery 1.

**Fourth Year.** (*Old Course*).

Crown and Bridge Work and Ceramics, Dental Infirmary, History, Jurisprudence, Ethics and Economics, Hospital, Operative Dentistry, Oral Surgery, Anaesthetics and Physical Diagnosis, Orthodontia, Preventive Dentistry, Prosthetic Dentistry.

**Regulations for Degrees.**

In addition to the Matriculation or Preliminary examination, candidates for degrees are required to pass four Professional examinations, one at the end of each year of the course, on the dates set in the University Almanac. The examinations are arranged as follows:

**First Professional Examination.** (*New Course*).

One paper in each of the following subjects: Dental and Comparative Dental Anatomy, Drawing and Modelling, Embryology, Preventive Dentistry; one paper and a practical examination in Histology; one paper and an oral examination in Anatomy; one paper and an oral and a practical examination in Biochemistry 1 and Physiology 1.

**Second Professional Examination.** (*New Course*).

One paper in each of the following: Exodontia, Materia Medica, Metallurgy, Operative Dentistry, Preventive Dentistry, Prosthetic Dentistry; and one paper and an oral examination in Anatomy and Bacteriology.

**Third Professional Examination.** (*New Course*).

One paper in each of the following: Crown and Bridge Work, Dental Pathology and Therapeutics, Operative Dentistry, Orthodontia, Preventive Dentistry, Prosthetic Dentistry, Radiology, Surgery; one paper and an oral and a practical examination in Pathology.

**Fourth or Final Professional Examination.** (*Old Course*).

One paper in History, Jurisprudence, Ethics and Economics and Preventive Dentistry; one paper and an oral examination in each of the following: Crown and Bridge Work and Ceramics, Operative Dentistry, Oral Surgery, Anaesthetics and Physical Diagnosis, Orthodontia, Prosthetic Dentistry.

**Pass and Distinction Lists.**

The names of candidates successful in the examinations are arranged in the published lists in two divisions, the Pass and Distinction divisions. To pass, a candidate must obtain a minimum mark of 50 per cent. in each subject.

For Distinction in any subject he must obtain a mark of 75 per cent. or over in that subject. The names in the Pass division of the list are arranged in alphabetical order; those in the Distinction list are in order of merit.

**Admission to Examinations.**

Candidates must conform to the following requirements in order to qualify for admission to the Professional examinations:



1. They must attend the prescribed classes of the curriculum regularly and punctually. Certificates indicating less than 90 per cent. of attendance upon any class will not in ordinary circumstances be accepted.

2. They must prepare such exercises, reports, etc., as may be prescribed, and in the case of classes involving laboratory or practical work they must complete such work satisfactorily.

3. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax, N. S. ....193..

I, the undersigned, being desirous of obtaining the Degree of Doctor of Dental Surgery, do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that I shall have attained the age of twenty-one years before the next graduation day).

(Signed).....

**Supplementary Examinations.**

A candidate who has failed to pass in not more than two subjects of the Professional examination of any year shall be entitled to supplementary examinations in such subjects, provided he is qualified in attendance and class work for admission to examination.

A candidate who has failed to pass in more than two subjects of any Professional examination shall be required to repeat his attendance and class work in all the subjects of the year.

Supplementary examinations are held on the dates specified in the University Almanac in September and during the regular Professional examinations in the spring, but at no other times.

Application for admission to a supplementary examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office, and must be accompanied by the proper fee. (See p. 125).

### Exemptions.

Candidates may be exempted from examination in one or more subjects of the first three Professional examinations on presenting certificates of having taken equivalent classes and passed equivalent examinations at any dental college recognized by the Senate for the purpose, and complying with the regulations of the University.

### Instruments and Appliances.

All the heavier appliances are supplied by the University. The student must provide all other instruments, tools and material for his technic and operative work in both Laboratory and Infirmary. Students are warned not to procure operating instruments until entering College. Each student must have the instruments prescribed and of the particular make selected by the Faculty. Arrangements have been made whereby these may be procured to the best financial advantage. The borrowing of instruments is absolutely forbidden.

### Medals and Prizes.

**University Medal in Dentistry.**—This medal will be awarded on graduation to the student who stands highest in the Final Professional examination, provided he shall obtain Distinction in at least four of the five major subjects of that examination, and shall have reached an exceptionally high standing in the whole four years of his course.

**The Dr. Frank Woodbury Memorial Prizes.**—These prizes are awarded to students of the final year.

1st—Book Prize to the value of \$20 for the best thesis on an approved dental subject.

2nd—Book Prize to the value of \$15 for the best prosthetic and crown and bridge technic.

3rd—Book Prize to the value of \$15 for the student obtaining highest marks in the infirmary.

**The Dr. W. C. Oxner Prize.**—This Prize will be awarded to the student of the final year showing the highest proficiency in crown and bridge procedure.

**The Nova Scotia Dental Association Prizes.**—Books to the value of \$25 are divided between the two students who make the best two general averages in all subjects of the Third Professional examination, provided the required standard is reached.

**The Charles Bell and E. A. Bell Prizes.**—Books to the value of \$25 to be divided between the two students who make the best two general averages in all subjects of the First Professional examination, provided the required standard is reached, are offered by Mr. Charles Bell; similar prizes in the case of the Second Professional examination, are offered by Mr. E. A. Bell.

**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 12 noon on last regular registration day, for each day. . . . .	2.00

**For Tuition.**

**Inclusive Fee Payable by Students taking the Regular Classes of any Year of the Curriculum.**

For each year. . . . .	225.00
<i>This includes registration, tuition, hospital, laboratories and the regular sessional Examinations.</i>	

The student must pay the fees for the full year whether the classes are attended for all or part of the course, except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason.

**For Examinations.**

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

Individual subjects of dental examination, each subject. . . .	5.00
Supplementary examination, each subject. . . . .	10.00

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

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
For D. D. S. Diploma (payable before the final examination and returnable in case of failure) . . . . .	10.00
Diploma, payable by those attending less than 3 years . . . . .	20.00
Additional fee when a degree is conferred <i>in absentia</i> . . . . .	5.00

See pages 17, 20 and 21 for

- Fee for Health Service.
- Students' Loan Fund.
- Caution Deposit.
- Laboratory Deposits.
- Fee for Support of Student Organizations.

COURSES OF INSTRUCTION.

For the details of classes in—

**Anatomy, and Histology and Embryology,  
Physiology,  
Biochemistry,  
Pathology and Bacteriology,  
Surgery.**

See *pp.* 110 *et seq.*

**Drawing and Modelling, and Metalcraft.**

*Lecturer*.....Margaret Brodie.

**Drawing and Modelling.**—A course, sufficiently comprehensive to form a suitable introduction to several succeeding dental subjects in which artistic principles play an important part, will be given during the first year.

**Metalcraft.**—This course, given in the first year, will prepare the student for exercises in dental technology and be a valuable introduction to the practice of Operative, Prosthetic and Preventive Dentistry as well as Orthodontia.

**Dental Anatomy and Comparative Dental Anatomy.**

*Professor*.....S. G. Ritchie.

**Dental Anatomy.**—This course includes a study of the contents of the buccal cavity from a dental standpoint. A practical course in tooth carving and dissection of the natural teeth will be carried on in the laboratory.

Reference Book: Black.

**Comparative Dental Anatomy.**—The lectures and demonstrations in this course are designed to be a study in the classification of dental types and theories of evolution of the dental organs from simple to complex forms.

Reference Book: Tomes.

**Hygiene, Preventive and Clinical Dentistry.**

*Professor*.....G. K. Thomson.  
*Lecturer and Demonstrator in Pre-School-Age Clinic* A.B. Haverstock.

This course consists of a series of lectures and demonstrations, part of which is given in each of the four years. Special demonstrations and lectures to combined groups of medical and dental students will be given in the Pre-School-Age and Adult dental clinics in the Health Centre. Lectures and demonstrations in

Periodontology will be given in Preventive as well as in Operative Dentistry.

Text Book: A. C. Fones: *Preventive Dentistry*.  
Reference Books: A. C. Fones: *Mouth Hygiene*. Stillman & McCall: *Clinical Periodontia*. Sorrin and Miller: *The Practice of Periodontia*.

### Operative Dentistry.

*Professor*.....W. H. H. Beckwith.  
*Lecturer*.....G. A. Chudleigh.

The instruction in this subject begins in the second year. Students in the last two years will be engaged in Infirmary practice daily under the supervision of experienced demonstrators. The work of the final year is designed to instruct the student in the details of Operative practice.

Text Book: G. I. Black: *Operative Dentistry*.  
Reference Books: Ward, Marshall, Johnson, Evangeline Jordan.

### Dental Pathology and Therapeutics.

*Professor*.....A. W. Cogswell.

The lectures will be given in the third year, with practical demonstrations in the Infirmary throughout the last two years. The principles of sterilization will be carefully taught.

Reference Books: Engelman & Wagner, Burchard & Inglis.

### Materia Medica.

*Lecturer*.....K. F. Woodbury

This course consists of about twenty-five lectures given in the second year. The student is expected to become familiar with Prescription writing and the properties, uses and therapeutic effects of the drugs used in dentistry.

Text Books: Buckley, *Prinz*.

### Orthodontia.

*Professor*.....W. W. Woodbury.

This subject will be presented in a course of lectures and clinical demonstrations during the last two years.

Text Book: McCoy.  
Reference Books: Dewey, Pullen (as in Johnson's *Operative Dentistry*), Lischer.

### Oral Surgery, Anaesthetics and Physical Diagnosis.

*Professor*.....F. V. Woodbury

**Surgery.**—A course on Oral Surgery, to be given during the final year, embracing operations which the dental surgeon should be able to perform.

Text Book: Blair.  
Reference Books: McCurdy, Thomson & Miles, Ivy.

**Anaesthetics.**—General Anaesthetics will be taught along with Oral Surgery, ample opportunity being given for practical demonstrations.

Text Book: Buxton.  
Reference Books: Luke, Struthers.

**Physical Diagnosis.**—A short course of lectures on systemic diseases related to Medicine.

### Exodontia and Radiology.

*Lecturer*.....G. R. Hennigar

**Exodontia.**—A course of lectures weekly during the second term of the second year, including the study of nitrous oxide and oxygen, sonnoform, etc., and local anaesthetics which students will be required to administer.

Text Books: Winter, Berger.  
Reference Books: Smith, Thoma, Hewitt, Deford.

**Radiology.**—A course of lectures weekly during the first term of the third year, including the study of plates and films from the Infirmary and office patients.

Text Book: Raper, 2nd edition.  
Reference Books: McCoy, Thoma, Osgood.

### Prosthetic Dentistry.

*Professors*.....S. G. Ritchie, J. S. Bagnall.  
*Lecturer*.....C. B. Climo.

This course continues throughout the last three years. The instruction is didactic and practical.

Text Books: *American Text Book of Prosthetic Dentistry*. Kennedy: *Partial Dentures*.  
Reference Books: Prothero, Wilson, Campbell, Nichols.

### Crown and Bridge Work, and Ceramics.

*Professor*.....W. C. Oxner.  
*Lecturer*.....A. W. Faulkner.  
*Demonstrator*.....W. G. Dawson.

This subject will be presented by lectures, demonstrations and laboratory technic. It will continue throughout the last two years, with Infirmary practice.

Gold and Porcelain, Crown, Bridge and Inlay Construction, will receive proper attention. Students who may desire to use their own electrical furnaces will be supplied with electric connections.

Text Book: Goslee.  
Reference Books: Evans: *Crown and Bridge*. Peeso: *Crown and Bridge*. Doxtater: *Crown and Bridge*. Legro-Capon: *Ceramics*. Hovestad: *Ceramics*.

### Metallurgy.

*Lecturer*.....J. S. Bagnall.  
*Demonstrator*.....G. M. Logan.

A course of lectures during the second year, on the construction, properties and treatment of metals and alloys used in Dentistry. A series of laboratory demonstrations in working and soldering metals.

Reference Books: Rosenhain, Gibson, Hodgen.

**Dental History, Jurisprudence, Ethics & Economics.**

*Lecturer* ..... H. S. Crosby.

**History.**—History and development of Dentistry.  
Reference Book: Taylor.

**Ethics.**—A brief statement of the important principles of morals and obligations of professional men to their patients, other practitioners and the public.  
Reference Book: Noyes.

**Jurisprudence.**—A discussion of the subject as it affects the qualifications and responsibilities of the Dental Surgeon.  
Reference Book: Brothers.

**Economics.**—The student's attention is directed to factors that make for success in dental practice; to a consideration of the rewards of service, and to an appreciation of their values.  
Reference Book: Johnson: *Success in Dental Practice.*



# Societies.

## THE ALUMNI ASSOCIATION.

(Organized in 1871. Incorporated in 1876).

*President*—Dr. E. K. Maclellan; *1st Vice-President*—R. E. Inglis; *2nd Vice-President*—H. W. W. Doane; *Secretary-Treasurer*—M. M. Rankin; *Executive*—Dr. H. P. Bell; Dr. K. A. MacKenzie; J. G. Fogo; S. R. Balcom; J. S. Roper; *Auditors*—R. M. Slayter; W. E. Hillis.

## THE ALUMNAE ASSOCIATION.

*Honorary-President*—Dr. Eliza Ritchie; *President*—Mrs. J. B. Hayes; *1st Vice-President*—Miss Eileen Burns; *2nd Vice-President*—Mrs. W. L. Maclean; *Corresponding-Secretary*—Mrs. Harry Roper; *Recording-Secretary*—Miss Margaret Jubien; *Treasurer*—Miss Jane Graham; *Executive*—Mrs. C. W. Smith; Mrs. C. W. MacAloney; Mrs. J. S. Bagnall; Mrs. A. E. Doull; Miss Lillian Barnstead.

## Council of the Students of the University.

*President*—W. G. Stewart; *Vice-President*—Margaret Dorman; *Permanent Secretary-Treasurer*—M. M. Rankin; *Executive*—G. C. Thompson; R. D. Baird; R. L. Christie.

## The Sodales Debating Club.

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

*President*—A. G. Cooper; *Vice-President*—Marie S. Ferguson; *Secretary-Treasurer*—R. T. Donald.

## The Dalhousie Gazette.

The Dalhousie Gazette is published by the students of the University under the authority of the Council.

*Editor*—R. G. Harris; *Business Manager*—J. R. Donahoe.

## Dalhousie Amateur Athletic Club.

*President*—D. M. MacRae; *Secretary-Treasurer*—D. A. Thompson.

## Dalhousie Girls' Athletic Association.

*President*—Edith L. Allen; *Secretary-Treasurer*—J. Patricia K. Cann.

**Student's Christian Association.**

The Association carries on Bible study groups for the discovery of the teaching of Jesus. It provides a forum for discussion of religious and social problems. By means of inter-college conferences and visits from foreign representatives, it is endeavouring to create a national and international student consciousness.

*President*—W. J. Archibald; *Vice-President*—Eirene M. Walker; *Secretary-Treasurer*—John Miller.

**Dalhousie Glee and Dramatic Society.**

*President*—A. D. Gibbon; *Vice-President*—Ruth M. Macaulay; *Business Manager*—V. deB. Oland.

**Delta Gamma Society.**

The Delta Gamma Society meets bi-monthly during the session. All women students are eligible for membership. Debates are held and literary programmes are prepared.

*President*—Margaret Dorman; *1st Vice-President*—Elizabeth R. Murray; *2nd Vice-President*—Edith L. Allen; *Secretary-Treasurer*—Dorothy E. Redmond; *Manager Basketball*—Elisabeth C. Saunderson; *Manager Track*—Gladys M. Jost; *Manager Ice Hockey*—Margaret A. MacRae; *Manager Ground Hockey*—Esther E. Elliot; *Manager Badminton*—Barbara F. Barnhill; *Manager Gymnasium*—Nita M. Golding; *Manager Outdoor Sports*—Helen E. Murphy; *Manager Swimming*—Ruth A. Crandall.

**Dalhousie Engineering Society.**

*President*—L. J. Taylor; *Vice-President*—J. B. Ferguson; *Secretary*—S. H. Scott; *Executive*—R. L. Christie; L. A. Redden.

**Newman Club.**

*President*—J. C. Young; *Vice-President*—Helen E. Murphy; *Secretary-Treasurer*—W. J. Dyer.

**Commerce Society.**

*Honorary-President*—Professor J. M. MacDonald; *President*—G. C. Thompson; *Vice-President*—J. Patricia K. Cann; *Secretary-Treasurer*—R. F. Hatfield.

**Law Students' Society.**

*President*—D. G. Grant; *Vice-President*—A. W. Cameron; *Secretary-Treasurer*—G. S. Cowan.

**Medical Students' Society.**

*President*—Leonard Farmer; *Vice-President*—E. F. Ross; *Secretary*—H. D. Hebb; *Treasurer*—R. D. Baird.

**Dental Students' Society.**

*President*—O. W. Clough; *Vice-President*—H. M. Parker;  
*Secretary-Treasurer*—L. F. Allanach.

**Dalhousie Sociology Club.**

The Sociology Club meets fortnightly during the session and is addressed by various speakers on topics relating to this subject.

*Honorary-President*—Dr. S. H. Prince; *President*—K. G. Sullivan; *Vice-President*—Evelyn F. McElhinney; *Secretary*—Eva C. Fulton.

**Dalhousie Choral Society.**

*President*—H. Y. Kennedy; *Vice-President*—Evelyn F. McElhinney; *Secretary*—Winnifred B. Killam; *Treasurer*—W. D. Y. Doyle.

**Midlothian Society.**

*President*—Catherine O. Hebb; *Secretary*—Muriel V. Love.

**Canadian Officers' Training Corps of Dalhousie.**

*Commanding Officer*—Professor H. E. Read; *2nd in Command*—Professor A. K. Griffin; *Adjutant*—Lieutenant C. R. Lorway;  
*Weapon Training Officer*—M. C. Archibald; *Platoon Commanders*—Lieutenant C. E. Stuart, Lieutenant F. W. S. Chandler.

**Class 1931 Arts (Life Members).**

*President*—W. H. Jost; *Vice-President*—Helen G. Williams;  
*Secretary*—R. G. Harris; *Treasurer*—J. R. Donahoe.

**Class 1933 Arts.**

*President*—C. E. Stanfield; *Vice-President*—Laura J. Marshall; *Secretary*—Marion G. Morton; *Treasurer*—R. M. Marven.

**Class 1934 Arts.**

*President*—J. E. Richardson; *Vice-President*—Gladys M. Jost; *Secretary*—Margaret M. Sadler; *Treasurer*—D. B. Stewart.

# University Lists.

## DEGREES CONFERRED SESSION 1930-31.

Convocation May 12, 1931.

\*—Degree conferred during the session.

\*\*—In absentia.

### Honorary Degree of Doctor of Laws.

Arthur Stanley Mackenzie, B. A.,  
Ph.D., D.C.L., LL.D., F.R.S.C. . Halifax.

### Master of Arts.

Dingee, Alton Frederick . . . . . Gagetown, N. B.  
Humphrey, Adelaide . . . . . Kensington, P. E. I.  
McIntosh, Douglas Major . . . . . Bedford, Hfx. Co.  
Muschamp, Percy Lawrence Herbert . . . . . Halifax.  
Price, Harold Blanchard . . . . . Bridgetown, Ann. Co.  
Reh fuss, Margaret de Wolfe Marshall . . . . . Bridgewater, Lun. Co.  
Torrey, Elizabeth Letitia . . . . . Guysboro.

### Master of Science.

Bell, Adam Carr . . . . . New Glasgow, Pic. Co.  
Chisholm, Harry Moseley . . . . . Halifax.  
Miller, Pauline Allan . . . . . Halifax.

### Bachelor of Arts.

Allan, Charlotte Stalker . . . . . Halifax.  
\*\*Archibald, Donald Harper . . . . . Grand Falls, N. B.  
Barnstead, Lilian Ashmere . . . . . Halifax.  
Batt, Minnie . . . . . Halifax.  
Blois, Evelyn Christine . . . . . Halifax.  
Brenton, Minna Elinor . . . . . Rockingham, Hfx. Co.  
Brenton, Nelly Beatrice . . . . . Charlottetown, P. E. I.  
Brewster, Florence Martha . . . . . Moncton, N. B.  
Chipman, Francis Beverley . . . . . Halifax.  
Clarke, Charles Williston . . . . . Halifax.  
Cole, Frederick Hawboldt (King's) . . . . . Chester, Lun. Co.  
Conrad, Douglas Alvin . . . . . Halifax.  
Conrad, Ethel Beatrice . . . . . Dartmouth, Hfx. Co.  
Corston, John Baldwin . . . . . Halifax.  
Currie, Mary Barbara . . . . . Halifax.  
Curry, Mary Gwendolyn . . . . . Pictou.  
Davies, John Roberts (King's) . . . . . Windsor, Hants Co.  
Dockerty, Stuart Mills . . . . . Cardigan, P. E. I.

- Dockrill, Russell Blendid. . . . . Halifax.  
 Donald, Robert Thomas. . . . . Malpeque, P. E. I.  
 Doyle, Kathleen Gertrude. . . . . Halifax.  
 Ebers, Herman Albert. . . . . Charlottetown, P. E. I.  
 Fraser, Charles Frederick (King's). . . . . Bedford, Hfx. Co.  
 Fraser, James Allison. . . . . Westville, Pic. Co.  
 Fraser, Victoria Helen. . . . . Lorne, Pic. Co.  
 Goudge, Thomas Anderson. . . . . Halifax.  
 Hart, William Edward (King's). . . . . Saint John, N. B.  
 \*Haslam, Albert James. . . . . Bradalbane, P. E. I.  
 Hemphill, Gertrude Winifred. . . . . Debec, N. B.  
 Henley, Percy Clarendon. . . . . Halifax.  
 Hills, Dorothy Elizabeth. . . . . Halifax.  
 Johnson, Enid Elizabeth. . . . . Halifax.  
 Jost, William Harry. . . . . Sydney, C. B. Co.  
 Langstroth, Muriel Allison. . . . . Saint John, N. B.  
 Lawrence, Muriel Elliott Hill. . . . . St. John's, Nfld.  
 Lawson, Wilfred Purdy. . . . . Dartmouth, Hfx. Co.  
 LeBlanc, Rudolph Thomas. . . . . West Arichat, Rich. Co.  
 Love, Jean Burns. . . . . New Glasgow, Pic. Co.  
 Macdonald, James Power. . . . . Sydney, C. B. Co.  
 MacDonald, John Alexander Young. . . . . Sydney, C. B. Co.  
 \*MacDonald, Lauchlin Donald. . . . . Kilmuir, P. E. I.  
 MacDonald, Thomas Daniel. . . . . Stellarton, Pic. Co.  
 \*\*MacDonald, Vincent Christopher Halifax.  
 MacIntosh, Marion Jean. . . . . River Hebert, Cumb. Co.  
 \*MacKenzie, Daniel Campbell. . . . . Marmora, Ont.  
 \*\*MacOdrum, Charles Gordon. . . . . Brockville, Ont.  
 Margeson, Doris Gwendolyn. . . . . Halifax.  
 Marsters, John Francis. . . . . Dartmouth, Hfx. Co.  
 Miller, John Alexander Fraser. . . . . New Glasgow, Pic. Co.  
 Miller, Reta Virginia. . . . . North Sydney, C. B. Co.  
 Miller, Robert Louis. . . . . Elmsdale, Hants Co.  
 Muschamp, Nancy Williamson  
   Hogg. . . . . Halifax.  
 \*\*Nicholson, Clarence Mackinnon. . . . . Dominion, C. B. Co.  
 Paterson, Zoë Downing. . . . . Saint John, N. B.  
 Pattillo, Arthur Sydney. . . . . Bridgewater, Lun. Co.  
 Remillard, Margaret Marie. . . . . Halifax.  
 \*\*Rosenblum, Julius. . . . . Glace Bay, C. B. Co.  
 Sadler, Lillian Elsbeth. . . . . Chatham, N. B.  
 Sawh, Ganesh. . . . . Georgetown, Demerara, B. G.  
 Shepherd, Paul Stevenson. . . . . Roslindale, Mass., U. S. A.  
 Simms, Geraldine Sarah. . . . . Halifax.  
 \*\*Sister Anna Marie. . . . . Rockingham, Hfx. Co.  
 \*\*Sister John Bernard. . . . . Rockingham, Hfx. Co.  
 Skeen, Phyllis May. . . . . Hamilton, Bermuda, B. W. I.  
 Smith, Jane Porter. . . . . Halifax.  
 Sodero, Theodore Clare Chalmers. . . . . Sydney, C. B. Co.  
 Stoddard, Jennie Archiblad. . . . . Halifax.  
 Thomas, Elizabeth Audrey. . . . . Truro, Col. Co.  
 Thompson, Gordon Clarence. . . . . Halifax.  
 Wallace, Daniel Philip. . . . . Halifax.  
 Weir, Harold Alexander (King's). . . . . Truro, Col. Co.  
 Willett, Olive Thelma (King's). . . . . Glace Bay, C. B. Co.  
 Williams, Helen Gladys. . . . . Halifax.

## Bachelor of Science.

Archibald, Manning Clifford.....	Charlottetown, P. E. I.
Belliveau, Basil Bernard.....	Belliveau's Cove, Dig. Co.
Bethune, Clarence Melville.....	Baddeck, Vic. Co.
Blenkinsop, Gavin Walker.....	Truro, Col. Co.
Brookfield, Samuel Carr.....	Halifax.
Calver, Victor (King's).....	St. John's, Nfld.
Campbell, Donald.....	Point Edward, C. B. Co.
**Chandler, Frederick Wilson Sayre.....	Charlottetown, P. E. I.
*Chesley, Eleanor Moore Lovett.....	Hantsport, Hants Co.
Cleland, James Edwin.....	Truro, Col. Co.
Cox, James Watson Bedford.....	Halifax.
Ebers, Earle Street.....	Charlottetown, P. E. I.
*Fraser, Henry Roy.....	New Glasgow, Pic. Co.
Giovannetti, Joseph Louis.....	Placentia, Nfld.
Grant, Donald MacDonald.....	Eureka, Pic. Co.
Grant, Kenneth Milfred.....	Glace Bay, C. B. Co.
*Harris, Samuel.....	Brooklyn, N. Y.
Hebb, Harvey Douglas.....	Halifax.
Jost, Burton Norris.....	Guysboro.
Jost, Victor Arthur.....	Dover, Delaware, U. S. A.
MacKay, Alexander Baillie.....	Salt Springs, Pic. Co.
MacLachlan, Elsie Alexandra.....	West Bay Centre, Inv. Co.
Martinello, Harry.....	Sydney, C. B. Co.
*Matheson, Alexander MacDonald.....	Edmundston, N. B.
Muir, Robert Keith.....	Eureka, Pic. Co.
Murray, Robert Charles.....	Hillsboro, Inv. Co.
Ripley, Howard Andrew.....	Fairview, Hfx. Co.
Rosier, Dorothy Martin.....	Newport, Hants Co.
Ross, Arthur Wylie.....	Sydney, C. B. Co.
Ross, Edwin Fraser.....	Stellarton, Pic. Co.
**Sister Frances dePaul.....	Rockingham, Hfx. Co.
Townsend, Clyde Fraser.....	New Glasgow, Pic. Co.
Tulloch, Robert Douglass.....	Dartmouth, Hfx. Co.
Wood, Albert Lewis.....	Halifax.
Wood, Gertrude Isabel.....	Halifax.
Woods, William Daniel.....	Halifax.
**Woolner, William Stewart.....	North Rustico, P. E. I.
Zwicker, Raymond Morton.....	New Germany, Lun. Co.

## Bachelor of Commerce.

Archibald, Sanford Wellington.....	Halifax.
Churchill, Ralph Irving.....	Windsor, Hants Co.
Conrad, James Harold.....	Dartmouth, Hfx. Co.
Cooper, Arthur Gordon.....	Halifax.
Kitaeff, Morton.....	Yarmouth.
Lamb, Herbert Simpson.....	Halifax.
Leslie, Jean O'Dell.....	Dartmouth, Hfx. Co.
Miller, Charles Cyril.....	North Sydney, C. B. Co.
Oyler, Potter Aborn.....	Kentville, King's Co.
Ross, Maxwell Alexander.....	Halifax.
Zinck, Murray Nauss.....	Chester, Lun. Co.

## Bachelor of Laws.

- Copland, John James, B. A.  
 (Acadia)..... Grenada, B. W. I.  
 Gaffen, Bernard Albert..... Sydney, C. B. Co.  
 Graham, Gordon Mitchell..... Sydney, C. B. Co.  
 \*\*Greene, Cyril Joseph..... Placentia, Nfld.  
 Keating, Maurice Edward, M. A. . . . . Halifax.  
 Lamb, Charles, B. A. . . . . Halifax.  
 Levy, Robert Clifford..... Sherwood, Lun. Co.  
 Lusby, Azel Randolph, B. A.  
 (Acadia)..... Amherst, Cumb. Co.  
 MacDonald, Oswin, B. A., (St. F. X.)  
 J. D., (N. Y. U.)..... Port Hood, Inv. Co.  
 Macdonald, Ronald Joseph, B. A.  
 (St. F. X.)..... North Sydney, C. B. Co.  
 McIntyre, Frank Archibald, B. A.,  
 (St. F. X.)..... Sydney, C. B. Co.  
 McKee, John Killeen, B. A., (St.  
 F. X.)..... Buctouche, N. B.  
 MacMillan, Gordon Eugene, B. A. . . . . Vernon River, P. E. I.  
 O'Handley, Alexander, B. A. (St.  
 F. X.)..... Sydney Mines, C. B. Co.  
 Russell, James Venner, B. A., (Mc-  
 Gill)..... Saint John, N. B.  
 Sedgwick, Thomas Clark, B. A. . . . . New Glasgow, Pic Co.

## Doctor of Medicine and Master of Surgery.

- Bethune, Clarence Melville..... Baddeck, Vic. Co.  
 Campbell, Donald..... Point Edward, C. B. Co.  
 Chiasson, Bernard Isidore, B. A.  
 (St. F. X.)..... Margaree Forks, Inv. Co.  
 Denoon, John William..... Halifax.  
 Epp, Henry Wiebe, B. Sc. (Chicago). . . . . Morden, Man.  
 Forsyth, Donald Alexander, B. A.,  
 B. Sc. . . . . Dartmouth, Hfx. Co.  
 Giffin, Audley Atwood, B. A. . . . . Halifax.  
 Giovannetti, Joseph Louis..... Placentia, Nfld.  
 Grant, Donald MacDonald..... Eureka, Pic. Co.  
 Jennings, Frederick Cyril, B. Sc.,  
 (St. F. X.)..... Saint John, N. B.  
 Llorens y Duharte, Fernando, A. B.  
 (N. C.)..... Santiago, Cuba.  
 Macaulay, Malcolm John..... Sydney, C. B. Co.  
 MacKinnon, Clarence Gordon, B. A. . . . . Halifax.  
 MacMillan, John Lauchlin..... Trout River, Inv. Co.  
 Martin, Hugh Joseph, M. A. (St.  
 F. X.)..... Sydney, C. B. Co.  
 Miller, Bernard Francis, B. A. (St.  
 F. X.)..... New Waterford, C. B. Co.  
 Moreash, Roy Alexander..... Halifax.  
 Muir, Robert Keith..... Eureka, Pic. Co.  
 Murphy, William James, B. A. (St.  
 F. X.), B. Sc. . . . . Saint John, N. B.  
 \*\*Percival, Ralph..... St. John's, Nfld.  
 Ross, Arthur Wylie..... Sydney, C. B. Co.





*Distinction*—Evelyn Christine Blois, William Edward Hart Muriel Allison Langstroth, Alexander Baillie MacKay, John Alexander Fraser Miller, Arthur Sydney Pattillo, Lillian Elsbeth Sadler, Geraldine Sarah Simms, Sister John, Bernard, Phyllis May Skeen, Theodore Clare Chalmers Sodero, Daniel Philip Wallace, Helen Gladys Williams, William Daniel Woods.

**Graduation Prizes and Medals.**

*Avery Prize* (First Distinction Graduate)..... Earle Street Ebers.  
*Carswell Prize* (Highest standing in Law 3rd Year)..... Cyril Joseph Greene.  
*Frank Woodbury Memorial Prizes*  
 Thesis..... Russell Chiasson.  
 Infirmary..... Gerald Lucien Keefe.  
 Laboratory Technic..... John Cyril Scoley McMullen.  
*W. C. Oxner Prize*, (Crown and Bridge Work)..... John Cyril Scoley McMullen.

**Other Prizes won by Graduates.**

*I. O. D. E. Post-Graduate Overseas Scholarship*..... Ralph Sedley Morton.  
*I. O. D. E. Post-Graduate Overseas Scholarship* (Special)..... John William Denoon.  
*National Research Council Scholarships*  
*Fellowship*..... Gordon Flemming Frame.  
*Studentships*..... { Harry Moseley Chisholm.  
 { William Wesley Stewart.  
*Bursaries*..... { Sydney Bateson.  
 { Earle Street Ebers.

**ENTRANCE AND UNDERGRADUATE PRIZES.**

**Entrance Scholarships (in order of Merit).**

*George H. Campbell Memorial Scholarships*—1st. William James Archibald; 2nd. John Marshall Sproule; 3rd. Mary Elizabeth March.  
*Mackenzie Scholarship*—Ena Louise Garber.  
*Special Mackenzie Scholarships*—George Archibald Allan Beveridge; Anna Muriel Olding; Donald Frederick Archibald.  
*Sir William Young Scholarships*—1st. Alfred Whitten MacDonald; 2nd. Gladys Amelia Longard.  
*University Scholarships*—1st. Evan Benjamin Rogers; 2nd. Lorna Murray MacLeod.  
*Bruce Scholarship*—Winnifred Beverly Killam.  
*Elizabeth Mc Kenna Scholarship*—Donald Bell Stewart.  
*Halifax City Free Scholarships*—David Lloyd McIntosh; Lois Jean Crowdis.  
*Pictou Academy Scholarship*—Alfred Whitten MacDonald.  
*Memorial University College Scholarship*—Harold James Clarke.

## Undergraduate Scholarships and Prizes.

- George H. Campbell Memorial Scholarships* (1st yr. Arts and Science).. 3rd Ena Louise Garber.
- Bruce Scholarship* (1st yr. Arts and Science)..... Maureen Telford Crichton.  
 {Margaret Maitland Montgomerie.  
 {Neil Layton Fergusson.  
 {Harold James Egan.  
 {Elizabeth Elaine Dargie.
- Special George H. Campbell Scholarships* (2nd yr. Arts and Science)...  
 {Margaret Maitland Montgomerie.  
 {Neil Layton Fergusson.  
 {Harold James Egan.  
 {Elizabeth Elaine Dargie.
- Allan Pollok Scholarship* (2nd yr. Arts and Science)..... Alfred Whitten MacDonald.
- Jotham Blanchard Bursary* (2nd yr. Arts and Science)..... Mary Elizabeth March.
- Commercial Club Scholarships*—  
 (2nd yr. Commerce)..... Joanna Patricia Kelley Cann.  
 (3rd yr. Commerce)..... Robert McGregor Brown.
- Bruce Bursary* (2nd yr. Arts and Science)..... Malcolm MacKenzie.
- Khaki University Scholarships* (3rd yr. Arts and Science).....  
 {Donald Allister Fergusson.  
 {Charles Arthur Herald.  
 {Donald Allister Fergusson.
- Waverley Prize* (Mathematics)..... Donald Allister Fergusson.
- Ross Stewart Smith Scholarship* (3rd yr. Arts and Science)..... Catherine Olding Hebb.
- Katherine Buttenshaw Prize* (Advanced Mathematics)..... Earle Street Ebers.
- Carswell Essay Prize* (1st yr. Law).. Robert Dugald Caldwell Stewart.
- Carswell Prizes* (Regular Course in Law)—  
 1st yr..... Robert Thomas Donald.  
 2nd yr..... George Herbert Crouse.
- MacDonald Prize* (2nd yr. Law).... Maxwell James Pratt.
- Dr. Cameron Prize* (1st yr. Anatomy) Theodore Clare Chalmers Sodero.
- Dr. Lindsay Prize* (2nd yr. Medicine)..... Malcolm Birt Dockerty.
- Ross Stewart Smith Scholarship* (3rd yr. Medicine).....  
 {Alexander Miller MacKay.  
 {Joseph Allan McDonald.
- Dr. Clara Olding Prize* (4th yr. Medicine)..... Fred Isadore Schwartzberg.
- E. A. Bell Prizes* (2nd. yr. Dentistry) 1st William Alexander Sinclair.
- Nova Scotia Dental Association Prizes* (3rd yr. Dentistry).....  
 {Oliver Wendell Clough.  
 {Walter Erwin Taylor.
- Frank Wyeth Horner Prize* (Pharmacy)..... Ralph Frederick Long.
- The Mallinckrodt Chemical Works Limited Prize* (Pharmacy)..... Ralph Frederick Long.
- W. H. Dennis prizes*—  
 James DeMille Prize Essay—  
 1931.....  
 {1st Lillian Ashmere Barnstead  
 {2nd Roy Desbarres Duchemin.
- Rhodes Scholarship*..... Fulton Craswell Underhay.

## STUDENTS REGISTERED, 1930-31.

## FACULTY OF ARTS AND SCIENCE.

Adams, Richard Burns.....	Halifax.
Akin, Edwin Knowlton.....	Windsor, Hants Co.
Alexander, Sydney Gordon.....	Campbellton, N. B.
Allan, Charlotte Stalker.....	Halifax.
Allen, Charles Douglas.....	Halifax.
Allen, Charles Robert Kelley, B. Sc..	Halifax.
Allen, Edith Louise.....	Summerside, P. E. I.
Allison, Anne Hamilton.....	(K.) Rothesay, N. B.
Anderson, Charles Edward.....	Bridgetown, Ann. Co.
Anderson, May Gladys.....	West River, Pic. Co.
Anderson, Muriel Grace Alexander..	Forks Baddeck, Vic. Co.
Anderson, William Charles.....	Sydney, C. B. Co.
Andrews, Elias.....	Winterton, Nfld.
Archibald, Adams Gordon.....	Truro, Col. Co.
Archibald, Donald Frederick.....	Truro, Col. Co.
Archibald, Edward Chipman.....	Halifax.
Archibald, Manning Clifford.....	Charlottetown, P. E. I.
Archibald, Sanford Wellington....	Halifax.
Archibald, William James.....	Bridgetown, Ann. Co.
Atwood, Lorenzo Francis Gerald Ly- sons.....	Halifax.
Aucoin, Wilfrid Hubert, B. A. (St. Anne's).....	Halifax.
Backman, Gilbert Owen.....	Lunenburg.
Bacon, Charles Ives.....	North Tryon, P. E. I.
Bagg, Alexander Carden.....	Montreal, P. Q.
Baird, Arthur Alexander.....	Halifax.
Baird, Thomas McHenry.....	Truro, Col. Co.
Baker, Dora Georgina.....	(K.) Yarmouth.
Baker, George Pearson Richardson..	Halifax.
Ball, Marjorie Louison.....	Garden of Eden, Pic. Co.
Barnhill, Barbara Frances.....	St. Paul, Minn., U. S. A.
Barnstead, Lillian Ashmere.....	Halifax.
Barrett, Frederic Grenfell.....	New Aberdeen, C. B. Co.
Bateson, Sydney, B. Sc.....	Sydney Mines, C. B. Co.
Batt, Minnie.....	Halifax.
Bayne, Norman Hunter.....	Halifax.
Beazley, Warren Benson.....	Halifax.
Bédard, Gustave.....	Quebec.
Bedwin, Tegler West.....	Halifax.
Beeber, Tobias.....	Brooklyn, N. Y., U. S. A.
Bell, Adam Carr, B. Sc.....	New Glasgow, Pic. Co.
Belliveau, Basil Bernard, B. A. (St. F. X.).....	Belliveau's Cove, Dig. Co.
Belliveau, Marie Marguerite.....	Meteghan River, Dig. Co.
Bennett, Irene Winsor.....	Bonavista, Nfld.
Benny, John Chester.....	Ottawa, Ont.
Bethune, Clarence Melville.....	Baddeck, Vic. Co.
Beveridge, George Archibald Allan..	Truro, Col. Co.
Bezanson, Dorothy Eleanor.....	Hammonds Plains, Hfx. Co.

(K.)—Enrolled in King's College.

Biden, Helen Thompson	Amherst, Cumb. Co.
Bishop, Evatt de Castro	Dartmouth, Hfx. Co.
Bishop, Helena Margaret Sophia	Kentville, King's Co.
Bishop, Shirley Ebenezer	Kentville, King's Co.
Blenkinsop, Gavin Walker	Truro, Col. Co.
Blois, Evelyn Christine	Halifax.
Braine, Robert Wallace	Annapolis Royal.
Brenton, Minna Elinor	Rockingham, Hfx. Co.
Brenton, Nelly Beatrice	Charlottetown, P. E. I.
Brewster, Florence Martha	Moncton, N. B.
Brittain, George Coster	(K.) Saint John West, N. B.
Brittain, William Norman	Saint John, N. B.
Brookfield, Samuel Carr	Halifax.
Brown, Claude Hartley	(K.) Windsor, Hants Co.
Brown, Gretchen Llewellyn	Hamilton, Bermuda, B. W. I.
Brown, Mabel Hilda	Halifax.
Brown, Phyllis Llewellyn	Hamilton, Bermuda, B. W. I.
Brown, Robert MacGregor	New Glasgow, Pic. Co.
Bruce, Cecil Wright	Stellarton, Pic. Co.
Buckley, John Sarsfield	Halifax.
Buckley, Norma Francis	Sydney, C. B. Co.
Bullock, Charles Heber Beverley	(K.) Halifax.
Bunbury, Sydney Hendrick	Halifax.
Burris, Margaret Rutherford	Dartmouth, Hfx. Co.
Burris, Mary Eleanor	Shubenacadie, Hants Co.
Burry, Harry Maxwell	St. John's, Nfld.
Butler, George Frederic	(K.) Armdale, Hfx. Co.
Butler, William	Wabana, Nfld.
Byrne, Cyril Joseph	St. John's, Nfld.
Cahan, Beatrice Eleanor	Halifax.
Caldwell, Ernest Malcolm	(K.) Falmouth, Hants Co.
Calver, Victor	(K.) St. John's, Nfld.
Campbell, Donald	Point Edward, C. B. Co.
Campbell, James Erskine	Pictou.
Campbell, John Douglas	Halifax.
Candow, Jack Francis	Halifax.
Cann, Joanna Patricia Kelley	Yarmouth North.
Carten, Frederick Donald	Halifax.
Champion, Helen Jean	O'Leary, P. E. I.
Chandler, Henry Bramwell	Charlottetown, P. E. I.
Chipman, Francis Beverley	Halifax.
Chipman, Isabel Margaret	Halifax.
Chisholm, Bernice Ethel	Halifax.
Chisholm, Harry Moseley, B. Sc.	Halifax.
Chisholm, Ruth Somers	Halifax.
Christie, Donald McNichol	Truro, Col. Co.
Christie, Robert Louis	Truro, Col. Co.
Church, Jean Graham	New Glasgow, Pic. Co.
Churchill, Ralph Irving	Windsor, Hants Co.
Claener, Mosie	New Waterford, C. B. Co.
Clancy, Patricia Maude	Mulgrave, Guys. Co.
Clancy, Winnifred Merle	Halifax.
Clark, William Keir	Mount Stewart, P. E. I.
Clarke, Harold James	Carbonear, Nfld.
Cleland, James Edwin	Truro, Col. Co.
Clennett, Maurice Gascoygne	Halifax.

- Cleveland, John Harrison . . . . . (K.) Dartmouth, Hfx. Co.  
 Cogswell, Laverne Eidson . . . . . Berwick, King's Co.  
 Cohen, Archie . . . . . Caledonia Mines, C. B. Co.  
 Cohen, George . . . . . Glace Bay, C. B. Co.  
 Cohen, Isaac . . . . . Wababa, Nfld.  
 Cole, Frederick Hawboldt . . . . . (K.) Chester, Lun. Co.  
 Cole, Hugh Harvey Wilding . . . . . (K.) Badger, Nfld.  
 Colpitts, Gordon Lloyd . . . . . Moncton, N. B.  
 Colwell, Donald Wetmore . . . . . (K.) West Saint John, N. B.  
 Connor, Harold Palmatary . . . . . Halifax.  
 Conrad, Douglas Alvin . . . . . Halifax.  
 Conrad, Ethel Beatrice . . . . . Dartmouth, Hfx. Co.  
 Conrad, James Harold . . . . . Dartmouth, Hfx. Co.  
 Conway, Isabel Calder . . . . . Eureka, Pic. Co.  
 Cooke, Helen Margaret . . . . . Halifax.  
 Cooper, Arthur Gordon . . . . . Halifax.  
 Copp, Walter Ronald . . . . . Halifax.  
 Corkum, Philip Byron . . . . . Chester Basin, Lun. Co.  
 Corston, James MacDiarmid . . . . . Halifax.  
 Corston, John Baldwin . . . . . Halifax.  
 Cox, Isabel Purney . . . . . New Glasgow, Pic. Co.  
 Cox, James Watson Bedford . . . . . Halifax.  
 Cox, Theodore Merrill . . . . . Hopewell, Pic. Co.  
 Crandall, Ruth Allison . . . . . Montreal, P. Q.  
 Crathorne, Ethel Alderson . . . . . Dartmouth, Hfx. Co.  
 Crawford, Thomas Williams . . . . . (K.) Moncton, N. B.  
 Crichton, Maureen Telford . . . . . Dartmouth, Hfx. Co.  
 Crichton, Peter Alan . . . . . Halifax.  
 Critchley, John Churchill . . . . . Hebron, Yar. Co.  
 Crouse, Evangeline Murdock . . . . . Bridgewater, Lun. Co.  
 Crowdis, Donald Kennedy . . . . . Halifax.  
 Crowdis, Lois Jean . . . . . Halifax.  
 Cumming, Mary Rutherford . . . . . Halifax.  
 Cunningham, Elizabeth Katharine . . . . . Halifax.  
 Cunningham, Henry McKay . . . . . Stellarton, Pic. Co.  
 Currie, Gwynn Abigail . . . . . Halifax.  
 Currie, Mary Barbara . . . . . Halifax.  
 Currie, Ray Kilburn Coy . . . . . Woodstock, N. B.  
 Curry, Mary Gwendolyn . . . . . Pictou.
- Dacey, John Robert . . . . . Halifax.  
 Dargie, Elizabeth Elaine . . . . . Round Hill, Ann. Co.  
 Dauphinee, Wilfred Tennyson . . . . . Shelburne.  
 Davies, John Roberts . . . . . (K.) Windsor, Hants Co.  
 Deacon, Howard John . . . . . Quincy, Mass., U. S. A.  
 Dean, Beatrice Marian . . . . . Halifax.  
 Densmore, Katherine Douglas . . . . . Bathurst, N. B.  
 DeRome, Jean Paul . . . . . Quebec.  
 Derrah, William Ian . . . . . Glassville, N. B.  
 Déry, Carmen . . . . . Quebec.  
 Dewar, Robert Lloyd . . . . . Charlottetown, P. E. I.  
 DeWolf, Arthur Leonard . . . . . Halifax.  
 Dickey, Crofton . . . . . Halifax.  
 Dickie, Ronald Campbell . . . . . Truro, Col. Co.  
 Dingee, Alton Frederick, B. A. (Mt.  
   A.) . . . . . Gagetown, N. B.  
 Dockerty, Stuart Mills . . . . . Cardigan, P. E. I.

- Dockrill, Margaret Helen.....Halifax.  
 Dockrill, Russell Blendid.....Halifax.  
 Dole, Robert Taylor.....(K.) Fairville, N. B.  
 Dominguez, Carlos Anibal.....Mayaguez, Porto Rico.  
 Donahoe, James-Emmett.....Souris West, P. E. I.  
 Donahoe, James Robert Joseph.....Halifax.  
 Dorman, Margaret.....Ottawa.  
 Dorman, Robert Whittier.....Ottawa.  
 Dowell, Gordon Donaldson.....Elmsdale, Hants Co.  
 Doyle, Kathleen Gertrude.....Halifax.  
 Doyle, William Donald Yorston...Truro, Col. Co.  
 Drover, Chesley Edward.....St. John's, Nfld.  
 DuBilier, Ben.....Jersey City, N. J., U. S. A.  
 Duchemin, Nita Gwendolyn.....Sydney, C. B. Co.  
 Duchemin, Roy DesBarres.....Sydney, C. B. Co.  
 Duggan, Mary O'Neil.....Halifax.  
 Dunsworth, James Albert.....Halifax.  
 Dyer, Wilfred John.....Halifax.  
  
 Earle, Alton Vere.....(K.) Perth Junction, N. B.  
 Eaton, Emerson Havelock.....Stellarton, Pic. Co.  
 Eaton, Harold Archibald.....(K.) Bathurst, N. B.  
 Eaton, William Drummond.....Truro, Col. Co.  
 Ebers, Earle Street.....Charlottetown, P. E. I.  
 Ebers, Herman Albert.....Charlottetown, P. E. I.  
 Egan, Harold James.....Halifax.  
 Eisenhauer, Wynn Earl, B. Sc.  
   (Acadia).....Mahone Bay, Lun. Co.  
 Elkin, Benjamin Gordon.....Saint John, N. B.  
 Elliot, Esther Elizabeth Gwynneth..Halifax.  
 Ells, Gertrude Evelyn.....Somerville, Mass., U. S. A.  
 Evans, Annie Stanford.....Chester, Lun. Co.  
 Evans, George Ronald.....Halifax.  
  
 Fairbanks, James Oxley.....Windsor, Hants Co.  
 Fairn, Joyce Whitney.....Halifax.  
 Fairn, Mark William, B. Sc. (Acadia).....Halifax.  
 Fairweather, Hamlin Lee.....(K.) Rothesay, N. B.  
 Fairweather, Margaret Emily Lee(K.)Rothesay, N. B.  
 Farquharson, Gladys May.....Charlottetown, P. E. I.  
 Fenderson, Joan Melicent.....Jacquet River, N. B.  
 Ferguson, James Bell.....Pictou.  
 Ferguson, Neil.....Glace Bay, C. B. Co.  
 Fergusson, Donald Allister.....Port Morien, C. B. Co.  
 Fergusson, Marie Sara.....New Aberdeen, C. B. Co.  
 Fergusson, Neil Layton.....Port Morien, C. B. Co.  
 Feuerstein, Irving.....Brooklyn, N. Y., U. S. A.  
 Fisher, John William.....Corner Brook, Nfld.  
 Fishman, Max.....Halifax.  
 Fleming, Ronald Mitchell.....Dartmouth, Hfx. Co.  
 Flemming, Josephine Mary.....Halifax.  
 Foley, Ann Margaret.....Halifax.  
 Forrest, Margaret Isobel.....Halifax.  
 Forrest, Nancy Prescott.....Halifax.  
 Foster, Frances Hagarth.....Saint John, N. B.  
 Frame, George Archibald.....Shubenacadie, Hants Co.

- Francis, Eric Norman . . . . . Hermitage, Nfld.  
 Frank, David Solomon . . . . . Brooklyn, N. Y., U. S. A.  
 Fraser, Campbell . . . . . Richmond, P. Q.  
 Fraser, Charles Frederick . . . . (K.) Bedford, Hfx. Co.  
 Fraser, Donald Sulis . . . . . Halifax.  
 Fraser, Duncan Donald . . . . . MacLellans Mountain, Pic. Co.  
 Fraser, Gordon Sutherland . . . . . Westville, Pic. Co.  
 Fraser, Henry Roy, B. Sc. . . . . New Glasgow, Pic. Co.  
 Fraser, Hugh Graeme . . . . . Truro, Col. Co.  
 Fraser, Innes Martell . . . . . New Glasgow, Pic. Co.  
 Fraser, James Allison . . . . . Westville, Pic. Co.  
 Fraser, James Robert Calder . . . . . Stellarton, Pic. Co.  
 Fraser, John Murdoch . . . . . Westville, Pic. Co.  
 Fraser, Victoria Helen . . . . . Lorne, Pic. Co.  
 Fraser, Wilmur Faulkner . . . . . Stellarton, Pic. Co.  
 Freeze, Mary Wenonah . . . . . Sussex, N. B.  
 Fuller, David Lawrence . . . . . Shelburne.  
 Fulton, Eva Clara . . . . . Bass River, Col. Co.
- Gallant, Edward Lloyd . . . . . Summerside, P. E. I.  
 Galotti, Nicholas Salvatore . . . . . New York, N. Y., U. S. A.  
 Garber, Ena Louise . . . . . Bridgewater, Lun. Co.  
 Garden, Joseph MacKenzie . . . . . Calgary, Alta.  
 Gardner, Jean Arletta . . . . . Halifax.  
 Gardner, Phyllis May . . . . . (K.) St. John's, Nfld.  
 Garnier, Agnes Bernardette . . . . . North Sydney, C. B. Co.  
 Geddes, Amos Leslie . . . . . Great Village, Col. Co.  
 Geddes, Cora Winifred . . . . . Halifax.  
 Gibson, Mina Etta . . . . . Halifax.  
 Gillis, Thomas Cook . . . . . Bradalbane, P. E. I.  
 Giovannetti, Joseph Louis . . . . . Placentia, Nfld.  
 Glorioso, John Alexander . . . . . Lorain, Ohio, U. S. A.  
 Godfrey, Frederick Hodgson . . . . (K.) Truro, Col. Co.  
 Goldberg, Earle Harvey . . . . . Halifax.  
 Goldberg, Harry . . . . . Halifax.  
 Golding, Nita Margaret . . . . . (K.) Saint John, N. B.  
 Goodman, Edith . . . . . New Glasgow, Pic. Co.  
 Goodman, Waldo Emerson . . . . . New Glasgow, Pic. Co.  
 Gordon, Cecil Earle . . . . . Hopewell, Pic. Co.  
 Gosse, Clarence Lloyd . . . . . Halifax.  
 Goudge, Thomas Anderson . . . . . Halifax.  
 Grant, Donald MacDonald . . . . . Eureka, Pic. Co.  
 Grant, Joseph Howe . . . . . New Glasgow, Pic. Co.  
 Grant, Kenneth Milfred, M. D.,  
 C. M. . . . . Glace Bay, C. B. Co.  
 Graven, James Harold . . . . . (K.) Springhill, Cumb. Co.  
 Gray, Fenwick Abner Valentine . . . . LaHave, Lun. Co.  
 Gray, James Charles . . . . . Halifax.  
 Greenberg, Michael . . . . . Ottawa, Ont.  
 Gregory, Ellen Johnson . . . . . (K.) Saint John, N. B.  
 Gunn, Arthur Sterling . . . . . Halifax.
- Haley, George Murchie . . . . . Milltown, N. B.  
 Hall, Mary Margaret Lorimer . . . . Halifax.  
 Hamilton, Edith Isabel . . . . . Halifax.  
 Hamilton, William Garrison . . . . Halifax.  
 Hanifen, Ralph Joseph . . . . . Halifax.

- Harper, Doreen Mary . . . . . Saint John, N. B.  
 Harries, Ian Thomas . . . . . Sydney, C. B. Co.  
 Harris, Charles Edwin . . . . . Annapolis Royal.  
 Harris, Edward Borden . . . . . Halifax.  
 Harris, Florence Ritchie . . . . . Annapolis Royal.  
 Harris, Mary Lawrence . . . . . Halifax.  
 Harris, Reginald Gordon . . . . . Bedford, Hfx. Co.  
 Hart, William Edward . . . . . (K.) West Saint John, N. B.  
 Hart, William Laurie . . . . . Halifax.  
 Haslam, Dorothea Jane . . . . . Yarmouth.  
 Haslam, Gerald Creighton . . . . . Yarmouth.  
 Hatfield, Robert Fraser . . . . . Halifax.  
 Hattie, Agnes McKean . . . . . Halifax.  
 Hattie, Mary Edith Guion . . . . . Halifax.  
 Haverstock, Arleigh George . . . . . Hammonds Plains, Hfx. Co.  
 Haviland, Douglas Thomas Archibald . . . . . (K.) Saint John, N. B.  
 Hawboldt, Frank Harold . . . . . Chester, Lun. Co.  
 Hebb, Catherine Olding . . . . . Dartmouth, Hfx. Co.  
 Hebb, John Andrew . . . . . (K.) Bridgewater, Lun. Co.  
 Hemphill, Gertrude Winifred . . . . . Debec, N. B.  
 Henderson, Muriel Shannon . . . . . Rothesay, N. B.  
 Hennigar, Ella Blanche . . . . . Halifax.  
 Henry, Grace Elizabeth . . . . . Upper Musquodoboit, Hfx. Co.  
 Herald, Charles Arthur . . . . . Sydney, C. B. Co.  
 Herman, Harry Gerald . . . . . Lunenburg.  
 Herman, Ross Munro . . . . . Dartmouth, Hfx. Co.  
 Hewat, Donald Brock Ferrier . . . . . Halifax.  
 Hewat, Florence Alice . . . . . Halifax.  
 Hewat, Robert Orton . . . . . Halifax.  
 Hibbard, Muriel Eugenie . . . . . (K.) Rothesay, N. B.  
 Hill, Ronald James . . . . . Halifax.  
 Hills, Dorothy Elizabeth . . . . . Halifax.  
 Hogg, Robert Ritchie . . . . . (K.) Charlottetown, P. E. I.  
 Holloway, Evelyn Oakes . . . . . Halifax.  
 Holm, Carl Orla . . . . . (K.) New Waterford, C. B. Co.  
 Hood, Elizabeth Eleanor . . . . . (K.) Yarmouth.  
 Horwood, James Francis . . . . . St. John's, Nfld.  
 Hosterman, Margaret Muriel . . . . . Halifax.  
 Houlihan, Florence Gertrude . . . . . Windsor Junction, Hfx. Co.  
 House, Thomas Asquith . . . . . St. John's, Nfld.  
 Howell, Joseph Gordon . . . . . St. John's Nfld.  
 Hudson, Lois Lorinda Elliott . . . . . (K.) Glace Bay, C. B. Co.  
 Inman, William Robert . . . . . Summerside, P. E. I.  
 Irwin, Joseph Kent Lyall . . . . . Halifax.  
 Isner, Gordon Burdette . . . . . Halifax.  
 Jackson, Margaret Claire Lydiard . . . . . Halifax.  
 Jarvie, John . . . . . New Waterford, C. B. Co.  
 Jemmott, Clarice Elaine . . . . . Halifax.  
 Johnson, Enid Elizabeth . . . . . Halifax.  
 Johnson, Thomas Harold . . . . . New Glasgow, Pic. Co.  
 Johnston, Alan Robertson . . . . . St. John's, Nfld.  
 Johnston, Stuart . . . . . Coldstream, Col. Co.  
 Jones, Howe Alonzo . . . . . Moncton, N. B.







McLellan, Charles Lorne.....	Truro, Col. Co.
McLellan, James Russell.....	Sydney, C. B. Co.
MacLellan, Robert William.....	Halifax.
Macleod, Annie Myrtle.....	Inverness.
Macleod, Helen Edith.....	Inverness.
MacLeod, Hudson.....	Montague, P. E. I.
MacLeod, Lorna Murray.....	Imperoyal, Hfx. Co.
MacMillan, John Lauchlin.....	Trout River, Inv. Co.
McMillan, Lewis.....	North Sydney, C. B. Co.
Macmillan, Mary Isabel.....	North River, P. E. I.
MacMillan, Olive Jessie.....	Woodside, Hfx. Co.
McNeill, Donald Holdsworth.....	Dartmouth, Hfx. Co.
MacOdrum, Charles Gordon.....	Brockville, Ont.
MacPherson, Alexander Campbell..	Grande Anse, C. B. Co.
MacPherson, Margaret Helena Adele.....	Brookfield, P. E. I.
McQuillan, Mary Irene.....	Halifax.
MacRae, Allister Sutherland.....	Baddeck, Vic. Co.
MacRae, Duncan Daniel Alexander.	Nyanza, Vic. Co.
MacRae, Helen Fraser.....	Baddeck, Vic. Co.
McRae, Margaret Ailsa.....	Harbour Grace, Nfld.
McSween, Russell Robert.....	Sydney, C. B. Co.
MacVicar, Edward Ross.....	Sydney, C. B. Co.
Machum, Edwin Robert.....	Saint John, N. B.
Mackie, George May.....	New Glasgow, Pic. Co.
Mackie, Helen Cameron.....	Sydney, C. B. Co.
Mader, Philip Alexander.....	Lunenburg.
Magonet, Hyman.....	Glace Bay, C. B. Co.
Mahen, Gordon Henry.....	Halifax.
Mahen, Kenneth Wilson.....	Halifax.
Mahon, Donald Arthur.....	Halifax.
March, Mary Elizabeth.....	New Glasgow, Pic. Co.
Margeson, Doris Gwendolyn.....	Halifax.
Margolian, Samuel.....	Yarmouth.
Marks, John Newman.....	(K.) Moncton, N. B.
Marshall, Laura Jane.....	Halifax.
Marshall, Lloyd George.....	South Maitland, Hants Co.
Marsters, John Francis.....	Dartmouth, Hfx. Co.
Marston, Harold Pearce.....	Plaster Rock, N. B.
Martell, James Stuart.....	(K.) Windsor, Hants Co.
Martinello, Harry.....	Sydney, C. B. Co.
Marven, Robert Murray.....	Moncton, N. B.
Matheson, Irene Margaret.....	Halifax.
Matheson, Joseph Silver.....	Halifax.
Meagher, Blanche Margaret.....	Halifax.
Meagher, Gertrude Mary.....	Halifax.
Menzie, Harold David.....	Tatamagouche, Col. Co.
Metherall, Thomas Francis.....	North Sydney, C. B. Co.
Millar, Ian Adams Livingstone....	Springhill, Cumb. Co.
Millar, James Robert.....	Springhill, Cumb. Co.
Miller, Charles Cyril, B. A.....	North Sydney, C. B. Co.
Miller, Henry William.....	(K.) Buffalo, N. Y., U.S.A.
Miller, Jack Stewart.....	Halifax.
Miller, John Alexander Fraser....	New Glasgow, Pic. Co.
Miller, Lewis William.....	Chester, Lun. Co.
Miller, McGrigor Allan.....	Bridgewater, Lun. Co.

- Miller, Pauline Allan, B. Sc. . . . . Halifax.  
 Miller, Reta Virginia . . . . . North Sydney, C. B. Co.  
 Miller, Robert Louis . . . . . Elmsdale, Hants Co.  
 Millman, Marion Orlo . . . . . Kensington, P. E. I.  
 Mills, Alexander . . . . . St. Andrews, Ant. Co.  
 Mitchell, Clara Beatrice . . . . . Halifax.  
 Mitchell, David FitzGerald . . . (K.) Halifax.  
 Mitchell, Horace Tremain . . . . . Halifax.  
 Mitchell, Thomas Nelson . . . . . Summerside, P. E. I.  
 Mitchell, William Charles Anderson . . . Grand Falls, Nfld.  
 Monovan, William Frederick . . . . . Dartmouth, Hfx. Co.  
 Mont, Janet Alicia . . . . . Halifax.  
 Montgomerie, Margaret Maitland . . . Halifax.  
 Moore, John Frederick . . . . . (K.) Summerside, P. E. I.  
 Moore, Ruth Anna . . . . . Hawkshaw, N. B.  
 Moors, Mildred Iola . . . . . Halifax.  
 Morehouse, Charlie Nelson . . . . . Centreville, Dig. Co.  
 Morley, Roy Ernest . . . . . Dartmouth, Hfx. Co.  
 Morris, David Bryant . . . . . (K.) Windsor, Hants Co.  
 Morrison, Frederic Charles . . . . . New Waterford, C. B. Co.  
 Morrison, William Ross . . . . . Halifax.  
 Morson, Mildred . . . . . Halifax.  
 Morton, Jean Isabel . . . . . Halifax.  
 Morton, Marion Gertrude . . . . . Halifax.  
 Moxon, Mary Katharine . . . . . Truro, Col. Co.  
 Muggah, Henry Forman . . . . . (K.) Sydney, C. B. Co.  
 Muir, James Alexander . . . . . Eureka, Pic. Co.  
 Muir, Robert Keith . . . . . Eureka, Pic. Co.  
 Murphy, Helen Edna . . . . . Halifax.  
 Murphy, Mary Clare . . . . . Halifax.  
 Murphy, William Barclay . . . . . Halifax.  
 Murray, Bruce Logan . . . . . Pictou.  
 Murray, Clifford Nelson . . . . . Sydney, C. B. Co.  
 Murray, David Alan . . . . . Halifax.  
 Murray, Duncan Alexander . . . . . West Branch, River John,  
     Pic. Co.  
 Murray, Elizabeth Ryan . . . . . Sussex, N. B.  
 Murray, Eric David . . . . . Halifax.  
 Murray, Margaret Anne . . . . . New Glasgow, Pic. Co.  
 Murray, Margaret Grace . . . . . Halifax.  
 Murray, Robert Charles . . . . . Hillsboro, Inv. Co.  
 Muschamp, Nancy Williamson  
     Hogg . . . . . Halifax.  
 Mushkat, Carl Marx . . . . . Halifax.
- Napier, Mary Kathleen Kilgour . . . . . Campbellton, N. B.  
 Nelson, Eugene Grey . . . . . (K.) Fairville, N. B.  
 Nelson, Helen Jean . . . . . Stewiacke, Col. Co.  
 Newcombe, Stanley Allen . . . . . Ship Harbour, Hfx. Co.  
 Nichols, Constance Whipple . . . . . Halifax.  
 Nichols, Harold Abraham . . . . . Digby.  
 Nicholson, Clarence Mackinnon . . . . . Dominion, C. B. Co.  
 Nicholson, John Fraser . . . . . Glace Bay, C. B. Co.  
 Nickerson, Alexander Eugene Mac-  
     Lean . . . . . Halifax.  
 Nickerson, Evelyn Olive . . . . . Halifax.  
 Norman, Ronald Lee . . . . . West La Have, Lun. Co.

- O'Brien, Daniel Turner.....Truro, Col. Co.  
 O'Brien, Robert Faulkner.....Halifax.  
 O'Hearn, Donald Peter.....Halifax.  
 Oland, David Falconer.....Halifax.  
 Oland, Victor de Bedia.....Halifax.  
 Oldfield, Jack King.....(K.) Halifax.  
 Oldford, Clayton Leslie.....Musgravetown, Nfld.  
 Olding, Anna Muriel.....Merigomish, Pic. Co.  
 Olding, Myrtle Clare.....Merigomish, Pic. Co.  
 Olmstead, Helen Gertrude.....Perth, N. B.  
 Orchard, Harold Beverley.....Saint John, N. B.  
 Orlando, John Dirk.....(K.) Bridgetown, Ann. Co.  
 Ormiston, Arthur Wilfred.....Sydney, C. B. Co.  
 Orr, William Buchanan.....Halifax.  
 Ott, Thomas Gordon.....(K.) Sydney, C. B. Co.  
 Owen, Elizabeth Green.....(K.) Halifax.  
 Owen, Samuel Fisk Green.....(K.) Halifax.  
 Oyler, Potter Aborn.....Kentville, King's Co.
- Pace, William King.....Glen Margaret, Hfx. Co.  
 Parlee, Norman Allen.....Dartmouth, Hfx. Co.  
 Paterson, Zoë Downing.....Saint John, N. B.  
 Payzant, Edith Madeline.....Dartmouth, Hfx. Co.  
 Pearce, Richard Samuel.....Halifax.  
 Peat, Frances Jeanne Bedell... (K.) Saint John, N. B.  
 Perea, Luis Roberto.....Mayagüez, Puento Rico.  
 Phelan, Frederick Justin.....Halifax.  
 Philips, Robert Cecil.....Truro, Col. Co.  
 Pichette, Joseph Albert.....Campbellton, N. B.  
 Picketts, Willard Curtis.....Wilmot Valley, P. E. I.  
 Pitcher, Abram.....(K.) River Hebert, Cumb. Co.  
 Preston, Margaret Mary.....Halifax.  
 Proudfoot, Evelyn Catherine Gordon.....Inverness.  
 Purtil, James Thomas Kenneth... Halifax.  
 Purtil, Merle Marcella.....Halifax.  
 Pye, Eva Celeste.....Halifax.  
 Pyke, Harold Douglas.....Lunenburg.
- Quartermain, Henry Clifton... (K.) Fredericton, N. B.
- Rainnie, Donald Vail.....Dartmouth, Hfx. Co.  
 Ramsay, Helen Penelope.....Hamilton, P. E. I.  
 Rankin, Joyce Homer.....Halifax.  
 Ray, Eldon Pringle.....(K.) Rockingham, Hfx. Co.  
 Redden, Laurence Arthur.....Lower Sackville, Hfx. Co.  
 Redmond, Dorothy Eleanor.....Moncton, N. B.  
 Regan, Victor Marshall.....(K.) Saint John, N. B.  
 Rehfuss, Margaret deWolfe Marshall, B. A. (Tor.).....Bridgewater, Lun. Co.  
 Remillard, Margaret Marie.....Halifax.  
 Richardson, James Ernest.....Halifax.  
 Ripley, Howard Andrew.....Fairview, Hfx. Co.  
 Ritcey, Frances.....Bridgewater, Lun. Co.  
 Ritchie, Ardellice Nelsie.....Campbellton, N. B.  
 Robb, Ernest Russel.....Shubenacadie, Hants Co.  
 Robertson, Hugh Blanchard.....Halifax.

Rogers, Evan Benjamin.....	Charlottetown, P. E. I.
Rollock, Hartley Carleton.....	Barbados, B. W. I.
Rood, James Lindsay.....	Berwick, King's Co.
Rood, Marion Grace.....	Halifax.
Rosenblum, Julius.....	Glace Bay, C. B. Co.
Rosier, Dorothy Martin.....	Newport, Hants Co.
Ross, Arthur Wylie.....	Sydney, C. B. Co.
Ross, Edwin Fraser.....	Stellarton, Pic. Co.
Ross, Ian Gerrard.....	New Glasgow, Pic. Co.
Ross, James Nesbit.....	New Glasgow, Pic. Co.
Ross, Maxwell Alexander.....	Halifax.
Ryan, Audrey Pauline.....	Halifax.
Ryan, Lewis Raymond.....	Truro, Col. Co.
Sadler, James David.....	Chatham, N. B.
Sadler, Lillian Elsbeth.....	Chatham, N. B.
Sadler, Margaret Mary.....	Chatham, N. B.
Sandford, Carolyn Ruth.....	Halifax.
Saunderson, Elisabeth Campbell..	Halifax.
Schurman, George Gordon.....	Halifax.
Scott, Agnes Winifred.....	(K.) Windsor, Hants Co.
Scott, Sanford Humphrey.....	Halifax.
Scott, Sheila Tillinghast.....	(K.) Windsor, Hants Co.
Seely, Hial Douglas.....	Halifax.
Shatford, Ralph Grant.....	Dartmouth, Hfx. Co.
Sheehan, Thomas Moran.....	Halifax.
Shepherd, Paul Stevenson.....	Roslindale, Mass., U. S. A.
Shore, Margaret Elizabeth.....	Halifax.
Silver, Paul Davidson.....	Dartmouth, Hfx. Co.
Sim, Arthur Cameron.....	(K.) Sydney, C. B. Co.
Simmonds, Mary Frances.....	Halifax.
Simms, George Graham Griffiths..	Halifax.
Sims, Geraldine Sarah.....	Halifax.
Simon, Ida.....	Halifax.
Sister Anna Marie.....	Rockingham, Hfx. Co.
Sister Charles Francis.....	Rockingham, Hfx. Co.
Sister Jane Miriam.....	Rockingham, Hfx. Co.
Sister John Bernard.....	Rockingham, Hfx. Co.
Sisfer Maria Margaret.....	Rockingham, Hfx. Co.
Sister Marion Rita.....	Rockingham, Hfx. Co.
Sister Patricia Ann.....	Rockingham, Hfx. Co.
Sister Thomas Aquinas.....	Rockingham, Hfx. Co.
Skeen, Phyllis May.....	Hamilton, Bermuda, B. W. I.
Smith, Anna Katherine.....	Halifax.
Smith, Arthur Tanner Elliott.....	(K.) Windsor, Hants Co.
Smith, Arthur William.....	Halifax.
Smith, Constance Grace.....	Halifax.
Smith, Edgar Bernard.....	Caledonia, Queen's Co.
Smith, Edward John.....	Shediac, N. B.
Smith, George Ransom.....	Malagash, Cumb. Co.
Smith, Glendon Lloyd George.....	(K.) West Saint John, N. B.
Smith, Harvey Douglas.....	(K.) Saint John, N. B.
Smith, Jane Porter.....	Halifax.
Smith, Owen Leonard.....	Angle Brook, Nfld.
Smyth, William Bernard.....	Halifax.
Soulis, Beatrice Eleanor.....	Halifax.
Spangler, Carolyn Virginia.....	Saint John, N. B.

Sproule, John Marshall.....	Belmont, Col. Co.
Sproull, Lewis Murray.....	Pictou Landing.
Squire, Frank Bennett.....	Wabana, Nfld.
Squires, Richard Anderson.....	St. John's, Nfld.
Squires, Robert Holloway.....	St. John's, Nfld.
Stanfield, Charles Edward.....	Truro, Col. Co.
Stanfield, Harold Frederic.....	(K.) Truro, Col. Co.
Stentafor, Thomas Gould.....	(K.) Carbonear, Nfld.
Stewart, David Alexander.....	Campbellton, N. B.
Stewart, Donald Bell.....	Saint John, N. B.
Stewart, James Roy.....	(K.) Antigonish.
Stewart, Reginald Gordon.....	(K.) Saint John, N. B.
Stoddard, Borden Arthur.....	Halifax.
Stoddard, Carl Crealman.....	Halifax.
Stoddard, Jennie Archibald.....	Halifax.
Stokes, Alan Joseph.....	Halifax.
Stokes, Rose Delphine.....	Halifax.
Stone, Carmon Walter Frederick.....	(K.) Bridgewater, Lun. Co.
Sullivan, Kenneth George.....	Halifax.
Sullivan, Mary Margaret.....	Bedford, Hfx. Co.
Sullivan, Paul Eugene.....	Bedford, Hfx. Co.
Sutherland, Conn Harkness.....	Oxford, Cumb. Co.
Sutherland, Louis Frederick.....	Pictou.
Tanton, Benjamin Watson.....	(K.) Summerside, P. E. I.
Tanton, Clare Worrell.....	Summerside, P. E. I.
Tanton, George Stavert.....	(K.) Summerside, P. E. I.
Tapley, Charles Wilkins.....	Saint John, N. B.
Tapley, Donald Gordon.....	Halifax.
Taylor, Lewis James.....	Victoria, P. E. I.
Teasdale, Laurie Redmond.....	Dartmouth, Hfx. Co.
Theakston, Evelyn Mabel.....	Halifax.
Thibodeau, Beatrice.....	Church Point, Dig. Co.
Thomas, Elizabeth Audrey.....	Truro, Col. Co.
Thomas, Margaret.....	Truro, Col. Co.
Thompson, George Christie.....	Halifax.
Thompson, Gordon Clarence.....	Halifax.
Thompson, Robert Musgrave.....	North Sydney, C. B. Co.
Thorbjarnarson, Thordur.....	Bildndal, Iceland.
Thorne, Edward Lefferts.....	(K.) Halifax.
Thorsteinsson, Gardar.....	Reykjavik, Iceland.
Thurlow, Arthur Louis.....	Lunenburg.
Tilley, Samuel Leonard.....	(K.) Saint John, N. B.
Tilton, Catharine Mill.....	(K.) West Saint John, N. B.
Torrey, Elizabeth Letitia, B. A.....	Guysborough.
Townsend, Clyde Fraser.....	New Glasgow, Pic. Co.
Towse, Gwendolyn Ethne.....	Rothesay, N. B.
Tulloch, Robert Douglass.....	Dartmouth, Hfx. Co.
Upham, Maude.....	Halifax.
Veniot, Mary Alberta.....	Bathurst, N. B.
Veniot, Mary Corinne.....	Bathurst, N. B.
Volinsky, Pearl.....	Halifax.
Vooght, James Henry.....	North Sydney, C. B. Co.





Hatton, George Arthur	Springhill, Cumb. Co.
Henley, Percy Clarendon	Armdale, Hfx. Co.
Hudson, Frederick Carl	Middleton, Ann. Co.
Humphrey, Adelaide, B. A.	Kensington, P. E. I.
Johnson, Alden Thomas	Halifax.
Love, Donald Fraser	New Glasgow, Pic. Co.
McGlashen, Hugh Stewart	Dartmouth, Hfx. Co.
MacKay, William Russell	Shelburne.
MacLean, Margaret Blanche	Halifax.
Macleod, Florence Marion	Halifax.
Mack, Adolphus Lent	Tusket, Yar. Co.
Marsh, Eva Mary	Sydney, C. B. Co.
Matheson, Alexander Macdonald	Edmundston, N. B.
Moore, Doris Catherine	Carbonear, Nfld.
Morson, Dorothy	Halifax.
Muschamp, Percy Lawrence Herbert, B. A.	Halifax.
Mushkat, Laurence Sanford	Halifax.
O'Brien, Dorothy Isabel	Noel, Hants Co.
Passmore, Douglas James Buchanan	Sydney, Australia.
Piers, Edward Stanyan Fairbanks	Halifax.
Price, Harold Blanchard, B. A.	Bridgetown, Ann. Co.
Rose, Melville Cumming	Oakfield, Hfx. Co.
Sargeant, Charles Corbet	Dartmouth, Hfx. Co.
Sister Mary Charlotte	Rockingham, Hfx. Co.
Sister Rita Mary	Rockingham, Hfx. Co.
Sister Teresa Mary	Rockingham, Hfx. Co.
Sister Virginia Marie	Rockingham, Hfx. Co.
Soper, Marie Suzanne	Halifax.
Sutherland, Wilbert C.	New Glasgow, Pic. Co.
Underwood, Charles Coll	New Glasgow, Pic. Co.
Watts, Hazel Yvonne	Waterville, King's Co.
Williams, Harold Stanley Taunton	Halifax.

## FACULTY OF LAW.

## Third Year.

Copland, John James, B. A., (Acadia)	Grenada, B. W. I.
Gaffen, Bernard Albert	Sydney, C. B. Co.
Graham, Gordon Mitchell	Sydney, C. B. Co.
Greene, Cyril Joseph	Placentia, Nfld.
Keating, Maurice Edward, M. A.	Halifax.
Lamb, Charles, B. A.	Halifax.
Levy, Robert Clifford	Sherwood, Lun. Co.
Lusby, Azel Randolph, B. A. (Acadia)	Amherst, Cumb. Co.
McCunn, Raeburn Fraser	Oxford, Cumb. Co.
MacDonald, Oswin, B. A. (St. F. X.)	Port Hood, Inv. Co.
J. D. (N. Y. U.)	Port Hood, Inv. Co.
Macdonald, Ronald Joseph, B. A. (St. F. X.)	North Sydney, C. B. Co.
McIntyre, Frank Archibald, B. A. (St. F. X.)	Sydney, C. B. Co.

## Students, 1930-31.

McKee, John Killeen, B. A. (St.  
F. X.).....Buctouche, N. B.  
MacMillan, Gordon Eugene, B. A. . . . Vernon River, P. E. I.  
Morton, Ralph Sedley, B. A. . . . . Halifax.  
O'Handley, Alexander, B. A. (St.  
F. X.).....Sydney Mines, C. B. Co.  
Russell, James Venner, B. A. (Mc-  
Gill).....Saint John, N. B.  
Sedgwick, Thomas Clark, B. A. . . . . New Glasgow, Pic. Co.

## Second Year.

Cowan, Gordon Stewart.....St. John's, Nfld.  
Crouse, George Herbert, B. A. . . . . Crousetown, Lun. Co.  
Donahoe, Richard Alphonsus, B. A. . Halifax.  
Dwyer, Gerald.....Halifax.  
Finlayson, Donald Duncan, B. A. . . . Sydney, C. B. Co.  
Foster, Walter William Vassie, B. A.  
(U. N. B.).....Rothesay, N. B.  
Grant, Donald Gordon, B. A. . . . . Bridgeville, Pic. Co.  
Haslam, Albert James, B. A. . . . . Bradalbane, P. E. I.  
LeBrun, Charles Thomas, B. A. . . . . Bridgetown, Ann. Co.  
MacInnis, Alexander, B. A. (St.  
F. X.).....Port Hood, Inv. Co.  
Oxley, Robert Sedgwick, B. A. . . . . Halifax.  
Phillips, Roy.....St. John's, Nfld.  
Pratt, Maxwell James.....St. John's, Nfld.  
Smith, George Isaac.....Stewiacke, Col. Co.  
Stewart, William Gerald, B. A. (Mt.  
A.).....Campbellton, N. B.  
Underhay, Fulton Craswell, B. A. . Bay Fortune, P. E. I.  
Webber, Thomas Rosborough, B. A. . Ship Harbour Lake, Hfx. Co.

## First Year.

Cameron, Alick Whitcomb, B. A.  
(Mt. A.).....Sherbrooke, Guys. Co.  
Clarke, Charles Williston.....Halifax.  
Coleman, Gerald Patrick, B. A. (St.  
F. X.).....Halifax.  
Crowe, John Logan.....Stewiacke, Col. Co.  
Donald, Robert Thomas.....Malpeque, P. E. I.  
Fairbanks, James Oxley.....Windsor, Hants Co.  
Foley, Thomas Michael, B. A. . . . . Halifax.  
Hicks, Edward Clair, B. Sc. . . . . Bridgetown, Ann. Co.  
Kanigsberg, Robert Abe, B. A. . . . . Halifax.  
McCleave, James Edward.....Stewiacke, Col. Co.  
MacDonald, John Alexander Young Sydney, C. B. Co.  
MacDonald, Thomas Daniel.....Stellarton, Pic. Co.  
MacDougall, Austin Everett, B. A. Halifax.  
Matheson, Kenneth William, B. A. Edmundston, N. B.  
Murray, Albert Rutherford, B. A.  
(U. N. B.).....Fredericton, N. B.  
Pattillo, Arthur Sydney.....Bridgewater, Lun. Co.  
Rosenblum, Julius.....Glace Bay, C. B. Co.  
Stehelin, Paul Hans.....Church Point, Dig. Co.

Stewart, Robert Dugald Caldwell,  
 B. A. (Mt. A.)..... Dalhousie, N. B.  
 Whalen, John William, B. A..... Halifax.  
 Zive, Aaron, B. Sc..... Halifax.

**Special Students.**

Hanrahan, Thomas James..... Halifax.  
 Nichols, Harold Abraham..... Digby.  
 Vaughan, George Francis..... Halifax.

**Registered for Examinations Only.**

Wickwire, Harry Partlow..... Kentville, King's Co.

**FACULTY OF MEDICINE.**

**Fifth Year.**

Bethune, Clarence Melville..... Baddeck, Vic. Co.  
 Campbell, Donald..... Point Edward, C. B. Co.  
 Carrozza, Natale Salvatore..... Brooklyn, N. Y., U. S. A.  
 Cheesman, Frederick John..... Halifax.  
 Chiasson, Bernard Isidore, B. A.  
 (St. F. X.)..... Margaree Forks, Inv. Co.  
 Cogswell, Laverne Eidson..... Berwick, King's Co.  
 Denoon, John William..... Halifax.  
 Epp, Henry Wiebe..... Morden, Man.  
 Forsyth, Donald Alexander, B. A.,  
 B. Sc..... Dartmouth, Hfx. Co.  
 Giffin, Audley Atwood, B. A..... Halifax.  
 Giovannetti, Joseph Louis..... Placentia, Nfld.  
 Grant, Donald MacDonald..... Eureka, Pic. Co.  
 Jennings, Frederick Cyril, B. Sc.  
 (St. F. X.)..... Saint John, N. B.  
 Llorens y Duharte, Fernando, A. B.  
 (U. N. C.)..... Santiago, Cuba. ✓  
 Macaulay, Malcolm John..... Sydney, C. B. Co.  
 MacKinnon, Clarence Gordon, B. A. Halifax.  
 MacMillan, John Lauchlin..... Trout River, Inv. Co.  
 Martin, Hugh Joseph, M. A. (St.  
 F. X.)..... Sydney, C. B. Co.  
 Miller, Bernard Francis, B. A. (St.  
 F. X.)..... New Waterford, C. B. Co.  
 Moreash, Roy Alexander..... Halifax.  
 Muir, Robert Keith..... Eureka, Pic. Co.  
 Murphy, William James, B. A. (St.  
 F. X.), B. Sc. (Dal.)..... West Saint John, N. B.  
 Percival, Ralph..... St. John's, Nfld.  
 Ross, Arthur Wylie..... Sydney, C. B. Co.  
 Ross, Edwin Fraser..... Stellarton, Pic. Co.  
 Smith, Charles Bayne..... Glendyer, Inv. Co.

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<sup>5th</sup>  
**Fourth Year.**

Caldwell, Robert Marsden..... Yarmouth.  
 Colquhoun, John David..... Salt Springs, Pic. Co.

21  
 Carrozza  
 26  
 Cogswell  
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Briggport Hosp.,  
 Conn.

- 24 Crummey, Clarence Bertram . . . . . Greenspond, Nfld.  
 25 Curtis, Edgar Marshall . . . . . Princeport, Col. Co.  
 26 Douglass, Arthur Stanley . . . . . Stanley, N. B.  
 27 Eaton, Robert Burnell, B. Sc. (Acadia) . . . . . Wolfville, King's Co.  
 28 Farmer, Thomas Leonard, B. A. (Laval) . . . . . Kinkora, P. E. I.  
 29 Flinn, Zebud MacKay . . . . . Prescott, Ariz., U. S. A.  
 1130 Fraser, Alford Vance . . . . . Truro, Col. Co.  
 21 Fraser, Frederick, Murray, B. A. . . . . Halifax.  
 32 Fraser, Raymond Harvey, B. A. (St. F. X.) . . . . . New Waterford, C. B. Co.  
 33 Fumuso, Victor . . . . . Brooklyn, N. Y., U. S. A.  
 34 Hebb, Frank Johnson . . . . . Halifax.  
 35 Kimmel, Meyer Leonard . . . . . Jersey City, N. J., U. S. A.  
 36 Langille, James Arnold, B. A. . . . . Tatamagouche, Col. Co.  
 37 McDonald, Donald Wilson, B. A. . . . . Sydney, C. B. Co.  
 38 MacLeod, Alexander Gordon . . . . . Halifax.  
 39 Margulies, Murray Emanuel, B. Sc. (C. C. N. Y.) . . . . . Brooklyn, N. Y., U. S. A.  
 40 Maxwell, Frederick Vance . . . . . Hopewell, Pic. Co.  
 41 22 Messenger, Carl Freeman, B. A. (Acadia) . . . . . Middleton, Ann. Co.  
 42 Monaghan, Theodore Thomas, B. A. (Laval) . . . . . Charlottetown, P. E. I.  
 43 Murray, James Carson, B. A. . . . . Tatamagouche, Col. Co.  
 44 Offenkranz, William . . . . . Brooklyn, N. Y., U. S. A.  
 45 Rogol, Oscar, Ph. B. (Brown) . . . . . Seymour, Conn., U. S. A.  
 46 Rosenfeld, Lester, B. S. (N. Y. U.) . . . . . Brooklyn, N. Y., U. S. A.  
 47 Schwartzberg, Frederick Isadore, B. S. (C. C. N. Y.) . . . . . Paterson, N. J., U. S. A.  
 48 Singer, Sina Sidney, Sc. M. (N. Y. U.) . . . . . Jersey City, N. J., U. S. A.  
 49 Smith, John Tolson . . . . . St. John's, Nfld.  
 50 Sodero, George Watson . . . . . Sydney, C. B. Co.  
 26 50 Sutherland, Arthur Lawrence, B. A. (St. F. X.) . . . . . Sydney, C. B. Co.  
 51 Wood, Rayfield George Alfred . . . . . Lunenburg.  
 33 52 Zapata, Miguel . . . . . Mayagüez, Porto Rico.

<sup>4th</sup>  
Third Year.

- Baird, Robert Douglas . . . . . Chipman, N. B.  
 Bennett, William Winsor . . . . . Bonavista, Nfld.  
 Budd, John Henry, B. A. . . . . Halifax.  
 7 Cowie, Andrew Stuart, B. Sc. (Acadia) . . . . . Wolfville, King's Co.  
 DeLuca, Anthony . . . . . Newark, N. J., U. S. A.  
 Dowd, Peter John . . . . . Moncton, N. B.  
 Galati, Victor . . . . . Brooklyn, N. Y., U. S. A.  
 Gibbon, Arthur Douglas . . . . . Saint John, N. B.  
 ✓ Granville, Frederick Joseph, B. Sc. . . . . Halifax.  
 Holland, Champion . . . . . Albany, P. E. I.  
 Irvine, George Thomas . . . . . Plaster Rock, N. B.  
 McCurdy, Gordon Alexander . . . . . Sydney, C. B. Co.  
 ✓ MacDonald, Angus James . . . . . Port Hood, Inv. Co.

St. Luke's Hosp.  
 Cleveland Hosp.  
 Group of 5  
 for Inf. Hosp. (retired)

- ✓ McDonald, Joseph Allan, B. A. (St. F. X.)..... Dartmouth, Hfx. Co.  
 McGowan, John Malcolm..... Kilmuir, P. E. I.  
 MacKay, Alexander Miller, B. A. New Glasgow, Pic. Co.  
 MacKenzie, Walter Campbell, B. Sc..... Baddeck, Vic. Co.  
 McLellan, Frederick Clair, B. Sc. Tatamagouche, Col. Co.  
 Madden, Arthur Britton, A. B. (Houghton)..... Pawling, N. Y., U. S. A.  
 3<sup>rd</sup> Magonet, Alexander Philip..... ~~Glace Bay, C. B. Co.~~  
 Mellish, Harold Lester, B. Sc..... Montague, P. E. I.  
 Mitchell, Ralph Edward, B. A. Halifax.  
 ✓ Monahan, Richard Osborne, B. Sc. (St. F. X.)..... South Nelson, N. B.  
 Morrison, Clarence Norman..... Halifax.  
 Moyse, Henry Walter..... Central Bedeque, P. E. I.  
 Outhouse, Darrell Delancy, B. A. (Acadia)..... Tiverton, Dig. Co.  
 Reinhard, Louis..... Allentown, Pa., U. S. A.  
 Rusted, Nigel Francis Scarth, B. Sc. Carbonear, Nfld.  
~~Schwartz, Ben Robert..... Brooklyn, N. Y., U. S. A.~~  
 Sutherland, Harvey Francis..... Sydney, C. B. Co.  
 Thompson, Donald Arthur, B. A. (Mt. A.)..... Stellarton, Pic. Co.  
 Waddell, Alfred Ernest..... New York City, N. Y., U.S.A.  
 Woolner, William Stewart..... North Rustico, P. E. I.

3<sup>rd</sup>  
**Second Year.**

- 1 Andrew, John Ernest, B. A..... Charlottetown, P. E. I.  
 Bishop, Robert Fitz-Randolph..... Kentville, King's Co.  
 2<sup>nd</sup> Brasset, Edmund Alfred, B. A. (St. F. X.)..... Antigonish.  
 Brennan, Maxwell Daniel..... Dartmouth, Hfx. Co.  
 Brody, Yale..... Sydney, C. B. Co.  
~~Cannon, Frederick Merriett..... Summerside, P. E. I.~~  
 Chisholm, Malcolm James..... Margaree, Inv. Co.  
 Cooke, Roy Olivier..... Falmouth, Jamaica, B. W. I.  
 Covert, George Leslie, B. Sc..... Dartmouth, Hfx. Co.  
 2 Davidson, Harold Jack, B. Sc..... Sydney, C. B. Co.  
 de Souza, Caesar Nunes..... Brooklyn, N. Y., U. S. A.  
 Dockerty, Malcolm Birt..... Cardigan, P. E. I.  
*retired* Dunsworth, Edward Joseph, B. Sc. Halifax.  
 Gaum, Abie, B. Sc..... Sydney, C. B. Co.  
 Harold, Thomas Campbell, B. Sc. Halifax.  
 Hebb, Harvey Douglas..... Halifax.  
 Hebb, Peter Olding..... Dartmouth, Hfx. Co.  
 2<sup>nd</sup> ~~Hebb, John Keatinge..... Halifax.~~  
 Hiltz, Joseph Earle, B. Sc..... Truro, Col. Co.  
 Houston, George Gilbert, B. Sc. (Mt. A.)..... Charlottetown, P. E. I.  
 Linder, Annie Frances, B. A..... Halifax.  
 McKean, Harold Ross..... New Mills, N. B.  
 MacPhail, Franklin Lane..... York Point, P. E. I.  
*Magonet* MacRae, Donald MacKay, B. Sc. Sydney Mines, C. B. Co.  
 Mahaney, Gordon Ralston..... Wolfville, King's Co.

Dec. 16 to Jan 4.  
 22

Dents.

1st  
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2nd  
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3rd  
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~~4th~~

- Murphy, Thomas Bernard, M. A. (St. F. X.) . . . . . Louisburg, C. B. Co.
- Parsons, Kenneth Weston, B. Sc. . . . . Harbour Grace, Nfld.
- Piercey, William Douglas, B. Sc. . . . . Armdale, Hfx. Co.
- Pollett, William Earl, B. A. . . . . Sydney, C. B. Co.
- Riggio, Frank . . . . . Brooklyn, N. Y., U. S. A.
- Robertson, John Sinclair . . . . . New Glasgow, Pic. Co.
- Stewart, John Bert, B. A. (Mt. A.) . . . . . Campbellton, N. B.
- Stuart, Charles Elmer . . . . . Bradalbane, P. E. I.
- Templeman, Walter . . . . . Bonavista, Nfld.
- Wright, William Ross . . . . . Bedeque, P. E. I.
- Zwicker, Raymond Morton . . . . . New Germany, Lun. Co.

2nd  
**First Year. 1930**

- Archibald, Donald Harper . . . . . Grand Falls, N. B. *Dal.* ✓
- Baker, Charles Harold LeMont . . . . . Halifax. *Dal.* ✓
- Banks, Herbert Robertson . . . . . Barrington Passage, Shel. Co. *Dal.* ✓
- Bishop, Irving M., B. Sc. . . . . Jamaica, N. Y., U. S. A. *Col. Univ.* ✓
- Boudreau, Gabriel . . . . . Cheticamp, Inv. Co. *St. F. X.* ✓
- Buntain, John Howard . . . . . Rustico, P. E. I. *New 60 P. W. Col.* ✓
- Chandler, Frederick Wilson Sayre . . . . . Charlottetown, P. E. I. *Dal.* ✓
- Donaldson, George Darrell . . . . . Tatamagouche, Col. Co. *Dal.* ✓
- Dove, Robert Frederick . . . . . St. John's, Nfld. *Mem. Col.* ✓
- Drover, Wilfred Howard . . . . . St. John's, Nfld. *Mem.* ✓
- Eagles, Eldon Lewis . . . . . Moncton, N. B. *Mt. A.* ✓
- Ells, Maxwell Mellor . . . . . Kingsport, King's Co. *Dal.* ✓
- Fairstein, Samuel Johnson, B. Sc. . . . . New York City, N. Y., U.S.A. *Col. Univ.* ✓
- Flaherty, Edwin Benedict . . . . . Loggieville, N. B. *St. F. X.* ✓
- Found, Eric MacLean, B. A. . . . . New London, P. E. I. *Dal.* ✓
- Fraser, Ian Malcolm . . . . . Ottawa, Ont. *Dal.* ✓
- Graham, Gerald Harry . . . . . Orlando, Fla., U. S. A. *Dal.* ✓
- Handler, Harrie, B. Sc. . . . . Jersey City, N. J., U. S. A. *Col.* ✓
- Harries, Charles Gordon . . . . . Sydney, C. B. Co. *Dal.* ✓
- Harris, Samuel, B. Sc. . . . . Brooklyn, N. Y., U. S. A. *Long Island Univ.* ✓
- Holland, Leonard Gilbert, B. A. . . . . Halifax. *Dal.* ✓
- Keddy, George William Anderson, B. A. (Acadia) . . . . . Windsor, Hants Co. *Acadia* ✓
- Kennedy, James Patrick . . . . . Springhill, Cumb. Co. *Dal.* ✓
- Macdonald, Archibald Alexander . . . . . Dartmouth, Hfx. Co. *Dal.* ✓
- MacDonald, Harry Stewart . . . . . Halifax. *Dal.* ✓
- Mackay, Ian Earl . . . . . Stellarton, Pic. Co. *Dal.* ✓
- MacKay, John Peter St. Clair . . . . . West Branch, River John, 29 Pic. Co. ✓
- MacKenzie, Kenneth William, B. A. (Mt. A.) . . . . . Campbellton, N. B. *Mt. A.* ✓
- McLean, Reginald Carlston . . . . . Sydney, C. B. Co. *Dal.* ✓
- Medjuek, Archie . . . . . Glace Bay, C. B. Co. *Dal.* ✓
- Murchison, George Dalvay . . . . . Clyde River, P. E. I. *Mt. A.* ✓
- Murray, Douglas Kerr . . . . . Halifax. *Mt. A.* ✓
- Murray, William Edward . . . . . New Glasgow, Pic. Co. *Dal.* ✓
- Ripley, Howard Robert . . . . . Amherst, Cumb. Co. *Mt. A.* ✓
- Sawh, Ganesh . . . . . Georgetown, Demerara, B. G. *Dal.* ✓
- Shlossberg, Frank . . . . . Halifax. *Dal.* ✓
- Silver, Gordon Louis . . . . . Halifax. *Dal.* ✓
- Sodero, Theodore Clare Chalmers . . . . . Sydney, C. B. Co. *Dal.* ✓

*Brennan H. D.*

*Energy*

*val Stewart*

*Litane  
Mr. Kovats  
1930*

*Sept  
at  
1930*

Students, 1930-31.

161

- ✓ 29 Tanton, Gerald Pope . . . . . Summerside, P. E. I. 29  
 Tuttle, Arthur Fulton . . . . . Pugwash, Cumb. Co. *Hal ✓*  
 Whitehead, Frederick Lawson . . . . . Charlottetown, P. E. I. *Hal ✓*  
 Wigmore, Fred Henry, B. A. (Mt. A.) . . . . . Emerald, P. E. I. *mt. A ✓*  
 Wollowick, David Paul . . . . . Brooklyn, N. Y., U. S. A. *Cal. + Hal ✓*  
 Young, John Clement, B. A. (St. F. X.), M. A. (Dal.) . . . . . Sydney, C. B. Co. *St. F. X. + Dal ✓*

#33

*mac Intosh*  
Special Students.

- Alexander, Sydney Gordon . . . . . Campbellton, N. B.  
 Allen, Charles Robert Kelly, B.Sc. . . . . Halifax.  
 Belliveau, Basil Bernard, B. A. (St. F. X.) . . . . . Belliveau's Cove, Dig. Co.  
 Cox, James Watson Bedford . . . . . Halifax.  
 Drover, Chesley Edward . . . . . St. John's, Nfld.  
 Horwood, James Francis . . . . . St. John's Nfld.  
 Langstroth, Muriel Allison . . . . . Saint John, N. B.  
 Love, Jean Burns . . . . . New Glasgow, Pic. Co.  
 MacIntosh, Franklin Capmbell, B. A. . . . . Stellarton, Pic. Co.  
 MacPherson, Alexander Campbell . . . . . Grande Anse, C. B. Co.  
 Murray, Robert Charles . . . . . Hillsboro, Inv. Co.  
 Sister Frances de Paul, B. A. . . . . Rockingham, Hfx. Co.  
 Sproull, Margaret Campbell . . . . . B. A. Stellarton, Pic. Co.  
 Thorbjarnarson, Thordur . . . . . Bildndal, Iceland.

FACULTY OF DENTISTRY.

Fourth Year.

- Chiasson, Russell, B. A. (St. F. X.) . . . Reserve Mines, C. B. Co.  
 Duxbury, Frank Raymond . . . . . Halifax.  
 Giovannetti, Humbert Francis . . . . . Placentia, Nfld.  
 Glickman, Morrell Eugene, D. D. S. (Maryland) . . . . . Brooklyn, N. Y., U. S. A.  
 Keefe, Gerald Lucien . . . . . Alberton, P. E. I.  
 Lubetzki, Isaac Kenneth . . . . . Glace Bay, C. B. Co.  
 Macintosh, George Kenneth, B.Sc. . . . . Sydney, C. B. Co.  
 McMullen, John Cyril Scoley . . . . . Fredericton, N. B.  
 Peters, Harry Hewlett . . . . . West Saint John, N. B.

Third Year.

- Barnstead, Edward Wilfrid . . . . . Halifax.  
 Cameron, Laurence Cleveland . . . . . Halifax.  
 Clough, Oliver Wendell, B. Sc. . . . . Inverness.  
 Hogan, William Vincent . . . . . Halifax.  
 Kavanagh, Edward Patrick . . . . . St. John's, Nfld.  
 Lawrence, John William Munro . . . . . Halifax.  
 MacLean, Donald Lauchlin . . . . . Trout River, Inv. Co.  
 Parker, Harold McGillivary . . . . . Sydney, C. B. Co.  
 Sinclair, Angus Cameron, B. A. (Mt. A.) . . . . . Campbellton, N. B.  
 Taylor, Walter Erwin . . . . . Malpeque, P. E. I.

Second Year.

Allanach, Lea Fergusson . . . . . Moncton, N. B.  
 Harris, Herman Leander . . . . . Barton, Dig. Co.  
 Reddin, James Dickson . . . . . Southport, P. E. I.  
 Sinclair, William Alexander . . . . . Milltown, N. B.

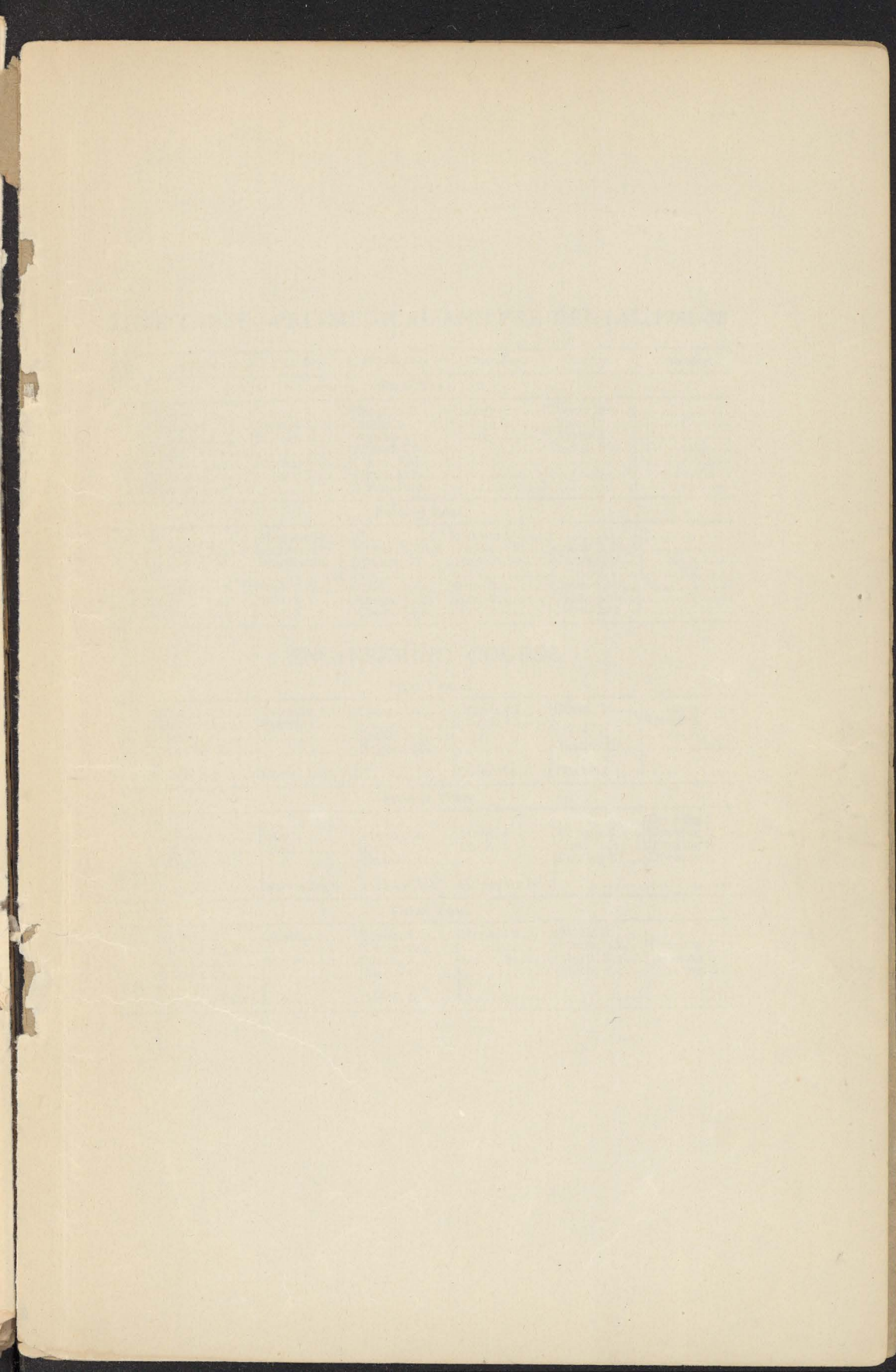
First Year.

Brody, Moe Henry . . . . . Glace Bay, C. B. Co.  
 Campbell, James Erskine . . . . . Pictou.  
 Forristal, John Frederick . . . . . Sydney, C. B. Co.  
 MacLeod, James Andrew . . . . . Port Hastings, Inv. Co.

*Hal Stewart*  
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*10*





Students, 1930-31.

Second Year

Alvarez, Leo Raymond	Manion, W. H.
Beck, Norman Leander	Marion, D. G. Co.
Redden, Ernest Herbert	Seaboard, P. E. L.
Stacy, William Alexander	Albion, N. E.

First Year

Beady, Moe Henry	Clayton, C. R. Co.
Campbell, Elmer Eugene	Stora
Kennedy, John Frederick	Swamy, C. R. Co.
Masland, James Aubrey	Fort Hamilton, Inv. Co.

## TIME TABLE—PRE-MEDICAL AND PRE-DENTAL, 1931-32

*Hour | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday.*

### First Year.

9	Chem. 1A....	Biology 1....	Chem. 1A....	Biology 1....	Chem. 1A....	.....
10	Math. 1....	Biology 1....	Math. 1....	Biology 1....	Math. 1....	.....
11	Physics 1....	Biology 1....	Physics 1....	Biology 1....	Physics 1....	.....
12	English 20....	.....	English 20....	.....	English 20....	.....
2.30	Chem. Lab....	Physics Lab....	Chem. Lab....	.....	.....	.....
3.30	Chem. Lab....	Physics Lab....	Chem. Lab....	.....	.....	.....
4.30	Chem. Lab....	.....	Chem. Lab....	.....	.....	.....

### Second Year.

9	.....	Physics 20....	.....	Physics 20....	.....	.....
10	Chem. 2,2A,4.	Physics 20....	Chem. 2,2A,4.	Physics 20....	Chem. 2,2A,4.	.....
11	History 20....	Physics 20....	History 20....	Physics 20....	History 20....	.....
12	.....	.....	.....	.....	.....	.....
2.30	Chem. Lab....	Biol. 2....	Chem. Lab....	Biol. 2....	Chem. Lab....	.....
3.30	Chem. Lab....	Biol. 2....	Chem. Lab....	Biol. 2....	Chem. Lab....	.....
4.30	Chem. Lab....	Biol. 2....	Chem. Lab....	Biol. 2....	Chem. Lab....	.....

## ENGINEERING COURSE.

### First Year.

9	Chem. 1A....	Drawing 1....	Chem. 1A....	Drawing 1....	Chem. 1A....	.....
10	Surveying 1....	French 1....	Surveying 1....	French 1....	Surveying 1....	French 1
11	Math. 1....	.....	Math. 1....	.....	Math. 1....	.....
12	English 20....	.....	English 20....	.....	English 20....	.....
2.30 to	.....	.....	.....	.....	.....	.....
5.30	Drawing 1....	Chem. Lab....	.....	Chem. Lab....	Drawing 1....	.....

### Second Year.

9	.....	.....	.....	.....	.....	Drawing 2
10	Physics 2....	Math. 4....	Physics 2....	Math. 4....	Physics 2....	Drawing 2
11	Econ. 1....	Math. 2....	Econ. 1....	Math. 2....	Econ. 1....	Drawing 2
12	English 21....	.....	English 21....	.....	English 21....	Drawing 2
2.30 to	.....	.....	.....	.....	.....	.....
5.30	.....	Surveying 2....	Physics Lab....	Surveying 2....	.....	.....

### Third Year.

9	Mech. 2....	Physics 3....	Mech. 3....	Physics 3....	Mech. 2....	.....
10	Chem 2A....	.....	Chem. 2A....	.....	Chem. 2A....	Drawing 3
11	Math. 3....	Mech. 4....	Math. 3....	Mech. 5....	Math. 3....	Drawing 3
12	Mech. 4....	.....	Mech. 4....	.....	Mech. 4....	Drawing 3
2.30 to	.....	.....	.....	.....	.....	.....
5.30	Physics Lab....	.....	Mech. 3....	.....	.....	.....

