

CALENDAR
OF
DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1929-1930



HALIFAX:
PRINTED FOR THE UNIVERSITY BY WM. MACNAB & SON,
1929

LECTURE TIME TABLE—ARTS AND SCIENCE, 1929-30.

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. 7 Education 1 Chem. 1, 1A Mech. 2 Psychology 2	French 1, (1) French 2 (1) Elem. German English 8 History 5 Philos. 1 Physics 3 Biol. 1 (1) Drawing 1, 1B Commerce 4	Greek 2 French 2 (3) History 1 (1) Pol. Sc. 7 Education 1 Chem. 1, 1A Mech. 3 Psychology 2	French 1 (1) French 2 (1) Elem. German History 5 Philos. 1 Physics 3 Biol. 1 (1) Drawing 1, 1B Commerce 4	French 2 (3) History 1 (1) Education 1 Chem. 1, 1A Mech. 2 Physics 2	French 1 (1) French 2 (1) Elem. German 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 6 English 10 Geology 2 German 1	Latin 2 (1) Greek 1 French 1 (2) 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 2 Philos. 7 Math. 4 Commerce 6 English 10 Geology 2 German 1	Latin 2 (1) Elem. Greek French 10 History 1 (2) History 2 Econ. 1 (1) Math. 1C Math. 1 Chem. 2, 2A, 4 Geology 1 Physics 2	Latin 1 (1) Greek 1 French 1 (2) French 2 (2) Philos. 7 Commerce 5 Drawing 2, 3 Commerce 2 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 Commerce 2 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	Elem. Latin Latin 2 (3) Drawing 2, 3 Math. 1 (3) Geology 10
12	Latin 1 (2) Greek 4 Elem. French English 2, 20 English 5 Pol. Sc. 4 Commerce 9		Latin 1 (2) Greek 4 Elem. French English 2, 20 English 5 Pol. Sc. 4 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 Pol. Sc. 5 Botany 3	Elem. Greek Spanish 1 History 6 Econ. 6 Sociology 4 Biol. 1 (2) German 3	German 2 Spanish 1 History 6 Sociology 1 Pol. Sc. 5 Philos. 8 Botany 3	Elem. Greek Spanish 1 Econ. 6 Sociology 4 Biol. 1 (2) German 3	German 2 Spanish 1 Sociology 1 Philos. 8	
3.30	Spanish 2 Sociology 3 Pol. Sc. 1 Fine Arts Commerce 1	French 4 Econ. 4 Psychology 3	Spanish 2 Sociology 3 Pol. Sc. 1 Philos. 2 Fine Arts Commerce 1	French 4 Econ. 4 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		

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UNIVERSITY ALMANAC, 1929-1930.

1929.

- Aug. 19 M. —Last day for receiving applications* for Fall Supplementary Examinations.
- Sept. 3 Tu. —Shop Work and Surveying Camp for students in Engineering begin.
- 10 Tu. —Session begins. Registration (and Payment of Fees) and Supplementary Examinations for students in Law, Medicine, Dentistry.
- 11 W. —Lectures begin, and last regular Registration†† Day for such students.
- 14 S. —12 Noon. Registration for such students ends.
- 23 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.
- 24 Tu. —The only regular registration day for other NEW STUDENTS in Faculty of Arts and Science.
- 25 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.
- 24 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.
- 25 W. —9.30—12.30 a. m., French; Greek.**
—2.30—5.30 p. m., Physics.
- 26 Th. —9.30—12.30 a. m., Geometry.
—2.30—5.30 p. m., Chemistry.
- 27 F. —9.30—12.30 a. m., Algebra.
—2.30—5.30 p. m., Trigonometry; History.**
- 28 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.
- 30 M. —9 a. m., Lectures begin in Arts and Science.
- Oct. 1 Tu. —11 a. m., Meeting of Faculty of Arts and Science.
- 5 S. —12 Noon. Registration in Arts and Science ends.
- 9 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. 25 M. —Last day for receiving applications* for First Term Supplementary Examinations in Law.
- Dec. 13 F. —Last day of lectures in classes wherein Christmas examinations are held.
- 14 S. —Christmas Examinations† begin.
- 20 F. —Last day of Lectures.
- 21 S. —9 a. m., Christmas vacation begins.

1930.

- Jan. 3 F. —9 a. m., Lectures resumed.
- Mar. 1 S. —Last day for receiving theses for Master's degree.
- 23 F. —Last day for receiving Applications* for Examinations for Master's degree and for Music and Pharmacy.
- Apr. 2 W. —Last day for receiving Applications* for Spring Supplementary Examinations (Law, Medicine, Dentistry).
- 18 F. —Good Friday. No Lectures.
- 21 M. —Last day of Lectures.
- 23 W. —Spring Examinations† begin.
- May 1 Th. —Final Professional Examinations in Medicine and Dentistry begin.
- 7 W. —8 p. m., Meeting of Faculty of Arts and Science.
4 p. m., Meeting of Faculty of Law.
8 p. m., Meeting of Faculty of Dentistry.
- 9 F. —11 a. m., Meeting of Faculty of Arts and Science.
5 p. m., Meeting of Faculty of Medicine.
- 10 S. —11 a. m., Meeting of Senate.
Results of Examinations declared.
- 13 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 1929-30.

- Charles Henry Mercer, M. A., B. Com. (Manch.), Associate Professor of Modern Languages, On leave of absence.
- James Nelson Gowanloch, B. A., B. Sc. (Man.), Associate Professor of Zoology, 21 Carleton St.
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 James Allison Fraser, *Student Assistant in Histology and Embryology.*

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 { Professors Wilson and Johnstone.
 { Professor MacMechan, Chairman.
 { Professors Griffin, Henderson, H. L. Stewart and Wilson.

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 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 Criminal Law.*
 C. R. Chipman, B. A. (Acad.), LL. B. (Dal.), *Lecturer in Mortgages.*
 J. E. Rutledge, B. A., LL. B. (Dal.), *Lecturer in Bankruptcy.*
 R. E. Inglis, B. A., LL. B., (Dal.), *Lecturer in Sales.*
 Hon. J. A. Walker, LL. B. (Dal.), *Lecturer in Practical Statutes.*
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 Dean of the Faculty (elect), Professor S. E. Smith.
 Secretary of the Faculty, Professor A. L. Macdonald.

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 T. R. Robertson, B. A., LL. B. (Dal.), K. C., *Crown Rules*
 †R. A. MacLeod, *Practice.*
 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.*

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 William H. Hattie, M. D., C. M. (McGill), *Professor of Hygiene and Public Health and of Mental Diseases, Dartmouth.*
 Louis M. Silver, B. A. (Vind.), M. B., C. M. (Edin.), *Emeritus Professor of Medicine and Clinical Medicine, 65 Morris St.*
 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. S. C. (Eng.), L. R. C. P. (Lond.), *Professor of Surgery and Clinical Surgery, 109 College St.*
 H. K. MacDonald, M. D., C. M. (McGill), *Professor of Surgery and Clinical Surgery, 11 Coburg Rd.*
 John Cameron, M. D. (Edin.), D. Sc. (St. And.), F. R. S. S. E. & C., M. R. C. S., *Dr. D. G. J. Campbell Memorial Professor of Anatomy, 390 South St.*
 Elrid Gordon Young, B. A., M. Sc. (McGill), Ph. D. (Cantab.), *Professor of Biochemistry, Commodore Apartments.*
 Owen S. Gibbs, M. B., Ch. B. (Edin.), *Professor of Pharmacology, 150 Barrington St.*
 N. J. Symons, M. A. (Oxon.), *Professor of Psychology (King's), 288 Tower Road.*
 Ralph Paterson Smith, M. D., Ch. B. (Glas.), D. P. H. (Glas. and Edin.), *Professor of Pathology and Bacteriology, 19 Jennings St.*
 Ernest William Henderson Cruickshank, M. D. (Aber.), D. Sc. (Lond.), Ph. D. (Cantab.), M. R. C. P. (Lond.), *Professor of Physiology, Elmwood Hotel.*
 Kenneth A. MacKenzie, M. D., C. M. (Dal.), *Professor of Medicine and Clinical Medicine, 89 Spring Garden Rd.*
 J. G. MacDougall, M. D., C. M. (McGill), *Professor of Surgery and Clinical Surgery, 95 Spring Garden Rd.*
 E. Kirk Maclellan, M. D., C. M. (Dal.), *Professor of Obstetrics and Demonstrator in Practical Obstetrics, 119 Spring Garden Rd.*
 George H. Murphy, M. D., C. M. (Dal.), *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.*
 W. Bruce Almon, M. D., C. M. (Dal.), *Associate Professor of Obstetrics, 35 Hollis St.*
 Raymond Jackson Bean, M. S. (N.H.), *Associate Professor of Histology and Embryology, Almeda Apartments.*

†Died during year.

- Robert A. H. MacKeen**, *Assistant Professor (elect) of Pathology and Bacteriology.*
- M. J. Carney**, B. A. (Dal.), M. D., C. M. (McGill), *Assistant Professor of Paediatrics and of Clinical Medicine, 115 Oxford St.*
- Frank G. Mack**, B. A. (Dal.), M. B. (Tor.), *Assistant Professor of Clinical Surgery (Urology) and of Skin Diseases. 140 Spring Garden Rd.*
- James R. Corston**, B. A., M. D., C. M. (Dal.), *Assistant Professor of Medicine and of Therapeutics and Demonstrator in Clinical Medicine, 337 Brunswick St.*
- W. Alan Curry**, M. D., C. M. (McGill), F. R. C. S. (Eng.), *Assistant Professor of Surgery and Clinical Surgery and Demonstrator in Anatomy, 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, 34½ Morris St.*
- Nicolaus Bernard Dreyer**, B. A. (Cape et Oxon.), M. A. (Oxon.), M. R. C. S. (Eng.), *Interim Assistant Professor of Physiology, Elmwood Hotel.*
- Clyde Wallace Holland**, B. A., M. D., C. M. (Dal.), *Assistant in Pathology and Bacteriology, 296 Morris St.*
- Collingwood William Startup**, B. Sc. (Aber.), *Assistant in Physiology, 36 Westminster Apartments.*
- Elizabeth Smith Bean**, B. A. (Cinn.), M. A., Ph. D. (Wis.), *Instructor in Histology and Embryology, Almeda Apartments.*
- Mary Caldwell Stevenson**, M. B. (Glas.), *Technician and Demonstrator in Pathology and Bacteriology, Shirreff Hall.*
- Philip Weatherbe**, M. B., Ch. B. (Edin.), *Demonstrator in 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, 317 Barrington St.*
- 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 and Demonstrator in Clinical 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, 54 Inglis Street.*
- J. G. D. Campbell**, M. D., C. M. (Dal.), *Demonstrator in Paediatrics, 407 Brunswick St.*
- J. N. Lyons**, M. D., C. M. (Dal.), *Demonstrator in Pathology and in Clinical Surgery, 22 Carleton 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 Practical Surgery and Clinical Surgery, Dartmouth.*
- 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*, 317 Barrington 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.
- Judson V. Graham, M. D., C. M. (Dal.), *Demonstrator in Clinical Surgery*, 51 Coburg Rd.
- G. A. Grant, B. Sc. (Dal.), *Demonstrator in Biochemistry*, 23 South Park St.
- C. S. Marshall, M. D., C. M. (Dal.), *Lecturer in Psychiatry*, 14 Green St.
- A. M. Marshall, M. D., C. M. (Dal.), *Demonstrator in Anatomy*, 8 Black St.
- N. H. Gosse, M. D., C. M. (Dal.), *Demonstrator in Anatomy and in Clinical Surgery*, 82 Spring Garden Rd.
- C. E. Kinley, M. D., C. M. (Dal.), *Demonstrator in Anatomy and in Clinical Surgery*, 501 Barrington St.
- H. D. O'Brien, M. D., C. M. (Dal.), *Demonstrator in Clinical Surgery*, 160 Robie St.
- John William Merritt, M. D., C. M. (Dal.), *Demonstrator in Clinical Medicine*, 317 Barrington St.
- William Gerald Colwell, M. D., C. M. (Dal.), *Demonstrator in Gynaecology*, 77 Seymour St.
- Allan Reid 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.
- William Duff Forrest, B. Sc., M. D., C. M. (Dal.), *Lecturer in Hygiene*, 257 Barrington St.
- Maude H. Hall, *Assistant in Hygiene*.
- James Allison Fraser, *Student Assistant in Histology and Embryology*.
- Dean of the Faculty, Professor John Stewart.
- Assistant Dean, Secretary of the Faculty, Professor Hattie.
- Acting Assistant Dean, 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, 1928-29.

- 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 General and Oral Surgery and Anaesthetics*, 105 South Park St.
- W. W. Woodbury, B. Sc. (Dal.), D. D. S. (P. D. C.), *Professor of Orthodontia*, 70 Spring Garden Rd.
- John Cameron, M. D. (Edin.), D. Sc. (St. And.), F. R. S. S. E. & C., M. R. C. S., *Dr. D. G. J. Campbell Memorial Professor of Anatomy*, 390 South St.

- E. Gordon Young, B. A., M. Sc. (McGill), Ph. D. (Cantab.),
Professor of Biochemistry, Commodore Apartments.
- Ralph Paterson Smith, M. D., Ch. B. (Glas.), D. P. H.
(Glas. and Edin.), *Professor of Pathology and Bacteriology, 19 Jennings St.*
- E. W. H. Cruickshank, M. D. (Aber.), D. Sc. (Lond.), Ph. D. Cantab.), M. R. C. P. (Lond.), *Professor of Physiology, Elmwood Hotel.*
- ✦ 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.*
- C. W. Startup, B. Sc. (Aber.), *Assistant in Physiology, 36 Westminster Apartments.*
- R. J. Bean, M. S. (N. H.), *Associate Professor of Histology and Embryology, Almeda Apartments.*
- J. Stanley Bagnall, D. D. S. (Dal.), *Associate Professor of Dentistry, 77½ Larch St.*
- N. B. Dreyer, B. A. (Cape et Oxon.), M. A. (Oxon.), M. R. C. S. (Eng.), *Interim Assistant Professor of Physiology, Elmwood Hotel.*
- W. Alan Curry, M. D., C. M. (McGill), F. R. C. S. (Eng.), *Assistant Professor of Surgery and Clinical Surgery and Demonstrator in Anatomy, 121 South Park St.*
- Clyde Wallace Holland, B. A., M. D., C. M. (Dal.), *Assistant in Pathology and Bacteriology, 296 Morris St.*
- A. W. Faulkner, D. D. S. (Dal.), *Lecturer in Crown and Bridge, 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 History and 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 Jurisprudence, Ethics and Economics, 315 Barrington St.*
- Margaret Brodie, *Instructor in Drawing and Modelling and Metalcraft, 6½ Williams St.*
- Elizabeth Smith Bean, B. A. (Cinn.), M. A., Ph. D. (Wis.),
Instructor in Histology and Embryology, Almeda Apartments.
- 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.), *Demonstrator in Dental Metallurgy.*
W. G. Dawson, D. D. S. (Dal.), *Operator and Demonstrator in Pre-School Age Clinic, Birks Building.*
J. A. Fraser, *Student Assistant in Histology and Embryology.*
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. S. G. 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 1822-4 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 Corham 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 23.

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.

By the will of the late Mrs. Eddy, who died in 1921, the University is to receive on the death of her sister \$350,000; 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 the same year 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 \$4,000.00 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.

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 instruction 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 Science 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 ap-

peal 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 in Law in memory of Dean Weldon was initiated by Hon. R. B. Bennett.

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 co-operation 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 is providing 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 combined 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. It is temporarily housed in University Hall, on the North West Arm, until the new King's College, now being built on the Studley property, is completed.

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 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. A course in Music for the diploma of Licentiate of Music is also prescribed.

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

The various Faculties of the University provide the instruction required in the courses leading to the above degrees, except in Music, in Pharmacy and in Fisheries. In Music instruction is provided in the literary and scientific subjects required, and the University recognizes as qualifying for a degree 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 Atlantic Experimental Station for Fisheries.

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.—Courses in Engineering are offered in the Faculty of Arts and Science. These courses extend over two or three years and correspond to the work prescribed by the Nova

Scotia Technical College for the first two years of four year courses in Civil, Mechanical, Electrical and 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 certificate of proficiency 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 (including Greek) of the second or a higher year. A Bachelor of Arts with Honours is further exempted from four terms of residence. The Trustees of the Rhodes Scholarships exempt from the qualifying examination candidates who are exempted from Responsions by the University of Oxford.

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, and are eligible for admission to the licensing examination in the States of New-York and Pennsylvania, and 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.

The 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

Dalhousie University.

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 F. E. 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 Murphy.

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 Superior.....Mother 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 50,000 volumes and 10,000 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 10,000 volumes, including all the law reports which a student will find it necessary to consult.

The Medical Library, containing about 13,000 volumes, received its real start by the gift of some books and an endowment of £1,000 from Dr. C. Cogswell. It is open on certain conditions to any practitioner in the Province as well as to medical students.

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

The Museum.

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

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

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

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

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

Laboratories.

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

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

The Medical Science Building on College St. contains the laboratories of the departments of Physiology, Biochemistry, Pharmacology and Hygiene.

The Out-patient and Public Health Clinic building on Morris St. 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 23rd and 24th and that special lectures for them begin on September 25th.

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. 14-15.

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 Sept. 24th to 27th, 1929. For the timetable 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 1929-1930 is Saturday, Sept. 21st, 1929. 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. 45.

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 formulæ 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.

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

German.—Lang and Needler's *High School German Grammar* (Ryerson, Toronto) to end of page 109, with corresponding grammatical explanations. *Glückauf, 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) High School Certificates of Grades XI or XII of Nova Scotia;
- (c) Honour Diplomas, or Certificates entitling to a First Class Licence, as issued by Prince of Wales College, or a First Class Licence issued by the Education Department of Prince Edward Island;

- (d) Grammar School, or Superior (except in Latin), or First Class Licences of New Brunswick;
- (e) Equivalent Licences or Certificates issued by Education Departments of other Provinces;
- (f) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (g) 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 but the Senate has under consideration a plan by which this may be reduced a year by those students who take classes during two summers.

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. 28. See also the terms of affiliation with the Prince of Wales College, p. 7.

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 register.

Health.

Every student entering the University for the first time must present on or before registration a medical certificate, on a form supplied by the University, to the effect that the student is physically fit to undertake a full course of university study. Any student wishing to engage in competitive athletics must present such certificate each session, and may be required at any time to submit to a physical and medical examination to determine his fitness for the form of athletics in which he may wish to engage. 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.

Residence.

All students are required to report their place of residence to the University Office on or before October 21st.

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 guardians 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 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.

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 \$2,650. 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. Loans shall not bear interest until the beneficiary, or the class of which he was a member, has graduated; and it shall be repayable within one year from this graduation date.

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. F. H. Pond, 18 Oakland Road, 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 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.

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 \$7.00 may be collected on registration from each student who takes more than one class. 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 only one class 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. E.—White silk bordered with dark green silk.
- B. Mus.—White silk bordered with lavender silk.
- LL. B.—White silk bordered with gold coloured silk.
- B. Com.—White silk bordered with light blue 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 56.

Faculty of Arts & Science

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 1929-30 will begin on Monday, September 23rd, 1929, and end on Tuesday, May 13th, 1930.

Degrees and Courses.

Courses are prescribed leading to the degrees of Bachelor of Arts (B. A.), Master of Arts (M. A.), Bachelor of Science (B. Sc.), Master of Science (M. Sc.), Bachelor of Music (B. Mus.) and Bachelor of Commerce (B. Com.) and to the Diploma of Licentiate of Music (L. Mus.). A course in Engineering, extending over two or three years, is prescribed for students who look forward to 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.

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

†It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc. contained in this Calendar are intended for the current year only, and that the 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 34.

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 Diploma of Licentiate of Music extends over two years, and that for the degree of Bachelor of Music over three years. See page 38.

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. 57 *et seq.*)

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

For details of subjects studied in the above classes see Courses of Instruction, p. 57, *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 9th, 1929.

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 the 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, 2A, 4, Biology 1, Zoology 3, 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 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 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 license should select Philosophy.

Third and Fourth Years.

The remaining required classes and elective classes from the subjects specified on page 23.

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 departments.

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 9th, 1929.

Affiliated Courses.

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

A. For Engineering.—Drawing 2 and 3, Surveying 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 1, 2A, 4, Biology 1, Zoology 3, 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 shall be exempted from the requirement in Drawing.

C. For Fisheries.—By arrangement with the Biological Board of Canada, classes in Fisheries 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 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.

Admission to Advanced Standing.

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

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

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

A candidate will be allowed Supplementary examinations in the subjects required to complete five classes provided the certificate shows a mark of at least 30 per cent. in such subjects and the candidate has credit for the corresponding Matriculation subjects. No credit shall be given for certificates obtained subsequent to registration in the University for the first time. The certificates to which these provisions apply are the following:

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

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

Degree of Bachelor with Distinction.

The degree of Bachelor of Arts or of Science with Distinction will be conferred on undergraduates for

*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 47) 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.

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

Candidates taking the Honour Course in Classics are required to take Latin 3, 4, 5 and 6 and Greek 3, 4, 5 and 6 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes

required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and Greek 3 and 4 will be considered in the final award.

Latin.

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

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

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

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

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

Greek.

A. Aeschylus: *Eumenides*, *Prometheus Vincetus*. Sophocles: *Ajax*, *Oedipus Rex*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-VIII. Thucydides, II. Plato: *Republic*, I-IV. Demosthenes: *De Corona*. Aristotle: *Poetics*, and selections from the *Ethics*.

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

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

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

II. Latin and English.

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

Candidates taking the Honour Course in Latin and English are required to take Latin 3, 4, 5 and 6 and English 3, 4, 5, 6 and 7 in their third and fourth years, and sufficient elective classes to complete the total of

twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and English 3, 4 and 5 will be considered in the final award.

Latin.

The Latin prescribed for the Honour course in classics.

English.

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

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

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

Books recommended: Sidney, Cook's edition (Ginn & Co.); Hooker, Church (Clarendon Press). Bacon: *Advancement*, Wright (Clarendon Press), *Essays*, Wright, (G. T. Series). History of Literature: Ten Brink, Saintsbury, Brooke (Clarendon Press). 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 and History 1. Prospective candidates must arrange to take these classes during their first two years if they desire to complete the work for a degree in four years.

Candidates taking the Honour Course in English and History are required to take English 3, 4, 5, 6 and 7, and History 2, 3, 4 and 5 and any special Honour class in History offered, in their third and fourth years, and sufficient elective classes to complete the total of twenty

classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of attainment shown in English 3, 4 and 5 and History 2, 3, 4 and 5 will be considered in the final award.

English.

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

History.

The History subjects prescribed for the Honour course in History, Economics, 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.

Preliminary Classes.—History 1, 2, 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.

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- 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.

VI. Philosophy.**Preliminary Class.—Philosophy 1.**

Candidates taking the Honour course in Philosophy are required to take Philosophy 2, 3, 4, 5, 6, 7 and 8 and

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

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

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

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

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

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

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

VII. Mathematics.

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

Undergraduates taking the Honour course in Mathematics are recommended to take German and Physics 1, or 2 and 3 in their first and second years. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years four advanced classes in Mathematics, 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 following:

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

VIII. Physics.

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

Undergraduates taking the Honour course in Physics are recommended to take German, Physics 2 and Mathematics 1 and 2 in their first year, and Physics 3, Chemistry 2 and Mathematics 3 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 1, 2 and 4, Physics 1, Mathematics 1, 2, 3. Two classes in German are recommended.

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

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

A. **Inorganic and Physical Chemistry.**—Mellor: *Modern Inorganic Chemistry*. Ostwald: *Principles of Inorganic Chemistry*. Walker: *Introduction to Physical Chemistry*. Washburn: *Physical Chemistry*. Selected portions of LeBlanc's *Text-book of Electro-Chemistry* and of *Text-books of Physical Chemistry*, edited by Sir William Ramsay. The requirements in Physical Chemistry are in large part covered by the class-work of Chemistry 6 and 8.

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

C. **History of Chemical Theory.**—The development of chemical theory as treated in Chemistry 5 with the prescribed supplementary reading. Candidates are required to have a thorough knowledge of the following memoirs: Graham: *Researches on the Arsenates, Phosphates and Modifications of Phosphoric Acid* (Alemic Club Reprints, No. 10). Liebig and Woehler: *Ueber das Radikal der Benzoesäure* (Ostwald's *Klassiker*, No. 22). Liebig: *Ueber die Constitution der organischen Säuren* (Ostwald's *Klassiker*, No. 26).

D. **Laboratory Methods.**—The principles and methods of analysis and of the preparation of inorganic and organic substances, as in Chemistry 7, 9 and 10, including Distinction work.

X. Geology and Geological Chemistry.

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

Prospective candidates are recommended to take German.

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

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

XI. Biology.

Preliminary Classes.—Chemistry 1 and Biology 1.

Candidates taking the Honour Course in Biology are required to take Chemistry 2, 4, Physics 1, Zoology 3 and the following Honour Classes: one of Zoology 4, 5, 6; one of Botany 2, 3, 4, 5, 6; Biochemistry 1; Zoology 7 or Botany 8; three advanced classes in Biology to be approved by the Department.

Course for Bachelor of Commerce.

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

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

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

Third and Fourth Years.—Philosophy 1, French 10 or German 10 or Spanish 10, Business Organization, Economics 2, Commercial Law, Business Correspondence, Money and Banking, Labor and Trust Problems, Corporation Finance and Investment, three other classes in Commerce or Economics; thesis or supervised work at the discretion of the Department, requiring six hours a week.

Degree of Bachelor of Music.

The course for the degree of Bachelor of Music may be completed in three years. Candidates for the degree may be students of the pianoforte, or organ, or violin, or voice. Candidates are required to pass the examinations in the subjects of the course, to submit the prescribed compositions, and to satisfy the examiners of their proficiency as musical performers by passing the prescribed practical tests. In addition, before proceeding to the examinations of the final year they must have completed Matriculation and must have satisfied the department of Modern Languages that they have a 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. 56) and by certificates of having attended approved courses of in-

struction in the professional subjects of the examinations and of having satisfactorily completed the work of such courses.

COURSE 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 27.

Other Pharmacy Courses.

The Maritime College of Pharmacy, with the cooperation of some members of the staff of the University 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 IX. Attendance on this course is prerequisite to the Qualifying Course.

The Qualifying Course begins on Saturday, Sept. 28th, 1929, and ends with the University session. 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. It is necessary that students shall meet the University matriculation requirements prescribed for a degree in Medicine.

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 Aug. 29th, 1929.

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

COURSE IN FISHERIES.

The following is the curriculum of the Course leading to the degree of B. Sc. (Fisheries).

First Year.—French 1 or German 1, Mathematics 1, Biology 1, Physics 1, English 20.

Second Year.—A second class in a foreign language, English 2, Economics 1, Chemistry 1A, Zoology 3, Drawing 1B.

Third Year.—A third class in English, Chemistry 4, Histology, Fisheries 1, 2.

Fourth Year.—Biochemistry 1, Physiology 1, Pathology and Bacteriology, Fisheries 3, 4.

Summer Session.—Marine Zoology.

Master of Arts and Master of Science.

A candidate for the degree of Master of Arts or Master of Science must hold the corresponding Bachelor's degree from a College or University recognized by the Senate for the purpose, and have held it for at least one year, and be of good character and standing. The course of study for the degree shall be confined to one subject or two closely related subjects, and must be submitted 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 work may be done wholly or in part by private reading by graduates of Dalhousie University, for whom attendance at the University is not necessary; all other

candidates must be in residence. When work done extra-murally is offered for the degree two years must have elapsed, after approval of the candidate's application, before the examinations for the Master's degree can be taken. In announcing the award it shall be stated whether the course was taken in residence or extra-murally.

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

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

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

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

Uniform Course for all Branches of Engineering.

This course is intended for students who look forward to taking a degree in Civil, Electrical, Mechanical or Mining Engineering. It covers the 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; for those so entering the course is one requiring three years, namely:

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

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

Third Year.—Mathematics 3, Physics 3, 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 taking the class in Surveying.

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 26.

Household Science Diploma.

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.

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,

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

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. 57 *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-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.

In all classes other than purely laboratory classes, two examinations, at least, are held, the Christmas examinations, immediately before the Christmas vacation, and the Spring examinations, after the close of lectures in the Spring. Other examinations in any class may be held at dates appointed by the instructor. The papers set at the Spring examination in any subject cover the work of the whole session in that subject, and not merely the work of the second term, and at least 25 per cent. of the questions shall be set on the ground covered before Christmas.

Ordinary and Distinction Class Lists.

The names of candidates successful in the ordinary examinations are arranged in the published lists in order of merit in each class. In some classes (see page 28) additional work consisting of private reading, essays, reports, field or laboratory work, is prescribed for students who aim at Class Distinction. In such classes extra examinations are held in this additional work at the end of the session, and the award of Distinction is based upon the ordinary and the additional work of the class.

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

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

Supplementary and Special Examinations.

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

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

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 20th, the fee (see p. 56) 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 \$100.00 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

*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.

assistance. Applications, accompanied by certificates showing worthiness, financial circumstances and academic qualifications, must be submitted before September 1, 1929.

University Aid Fund.—This Fund has been established to provide assistance toward the payment of tuition fees by 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, 1929.

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 \$110 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 locality from which a candidate shall be considered as coming will be determined by the locality of the last High or Preparatory School attended; or, in the event of his having been educated beyond grade X by private tuition, by his usual place of residence.

The next award of these Scholarships will be made on the marks received in the following five subjects of the regular matriculation examinations held at Dalhousie University on September 24th to September 27th, 1929,

1. English. 2. Algebra. 3. Geometry. 4 and 5. Two of Latin, Greek, French, German. For the requirements in each subject, see p. 12. Application to take the examinations must be made on forms to be obtained from the University Office.

These Scholarships are tenable for one year in the Arts and Science Faculty, and 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.

The successful candidate for any one of these Scholarships may enter on Advanced Standing the classes of the second year (see p. 16), but he will not then be eligible for the First Year Scholarships described below.

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 \$100.00 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 \$200.00

Prince of Wales College Scholarship.—A scholarship of \$200.00 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 \$200.00 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 \$85.00 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 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.

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 has been 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. 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, 1930.

The Jotham Blanchard Bursary.—This Bursary, of the annual value of \$55, being the interest of an endowment of \$1000, 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, 1931.

Commercial Club Scholarships.—The Commercial Club of Halifax has offered two scholarships of \$100 each to the students of the second and third years of the course in Commerce who have attained the highest standing in their respective 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."

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

(Other Undergraduate Prizes).

The Waverley Prize.—This prize, of the value of \$55, being the interest of an endowment 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 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 Katherine Buttenshaw Prize.—This prize, being the interest of an endowment of \$1000 for that purpose, will be awarded annually to the student standing highest in Mathematics 5 or 7.

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, of the value of \$25, being the interest of a sum of money 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 post-graduate 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, Ont.

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

(OPEN TO GRADUATES).

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

\$1,400, and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial history, the economics and government of the Empire and Dominion, or any subject vital to the interests of the Empire." For further information apply to the Head Office of the Order.

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.....	\$ 22.50
**For each class involving work in laboratory or draughting room.....	30.00
For students taking one of the regular engineering courses the maximum annual tuition fee will be.....	150.00
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 10th, charge for adding or substituting a class.....	1.00

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

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

Up to and including October 9th, 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 college before December 1st through illness or for some other equally valid 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.

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

**See Laboratory Deposit, p. 20.

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

For Certificates and Diplomas.

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

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

See Page 20 for

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

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

COURSES OF INSTRUCTION.

I. Classics.

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

Latin.

Elementary Latin.—*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 the language, and for those whose work has been insufficient to qualify them for admission to Latin 1. Students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in Latin, held in April.

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

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

1. *Tu. Th. and S., at 10 a. m., or M. W. and F. at 12 m.*

Pre-requisite.—Matriculation Latin.

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

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

2. *M., W. and F., at 10 or 11 a. m., or Tu. Th. and S. at 11 a. m.*

Pre-requisite.—Latin 1.

Livy, Book XXI. Horace, *Selected Odes*. *Vergil: *Aeneid*, Book V. Latin Grammar. Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Livy, Book XXI, (Tatham's, Oxford University Press, Toronto). Horace: *Odes and Epodes*, (C. L. Smith's, Ginn & Co., Boston). Vergil: *Aeneid*, Book V. (Calvert's, Macmillan Co., Toronto). Allen & Greenough's *New Latin Grammar*, North & Hillard's *Latin Prose Composition*, (Rivington, London).

3. (1930-31). *Tu. and Th. at 11 a. m.*

Pre-requisite.—Latin 2.

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

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

4. (1929-30). *Tu. and Th. at 11 a. m.*

Pre-requisite.—Latin 2.

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

Tacitus: *Germania*. Horace: *Epodes*. Juvenal: *Satires*, III, IV, V, X. *Tacitus: *Annals*, Book IV.

Books Recommended: Tacitus: *Germania*, (Stuart's, Macmillan Co., Toronto) Juvenal: *Satires*, (Hardy's, Macmillan Co., Toronto). Tacitus: *Annals*, Book I-IV, (Furneaux's, Oxford Univ. Press).

5. (1930-31). *W.* at 11 a. m., and *S.* at 10 and 11 a. m. Plautus: *Captivi*. Terence: *Phormio*. Horace: *Epistles*, I, II, *Ars Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *Philippics*, I, II, *Pro Cluentio*. Livy: XXII.

6. (1929-30). *W.*, at 11 a. m., and *S.* at 10 and at 11 a. m. Plautus: *Trinummus*. Terence: *Adelphi*. Lucretius: III. Vergil: *Georgics*, I, IV. Cicero: *De Oratore* I. Tacitus: *Annals*, I, II, *Agricola*. Pliny: *Letters*, Books I-III.

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

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

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

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

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

Pre-requisite.—Matriculation Greek.

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

Books Recommended: Xenophon: *Hellenica*, Books I, II, (Underhill's, Oxford University Press, Toronto). Plato: *Euthyphro and Menexenus*, (edited by C. E. Graves, Macmillan Co., Toronto). North & Hillard's *Greek Prose Composition*, (Rivington, London). Goodwin's *Greek Grammar*, (Ginn & Co., Boston).

2. *M.* and *W.* at 9 a. m.

Pre-requisite.—Greek 1.

Lucian: *Selected Dialogues*. Homer: *Odyssey*, Book IX and selections from Book XI. *Lucian: *Somnium*. *Homer: *Odyssey*, Book XII. Greek Grammar. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Lucian: *Somnium, Charon, etc.*, (Heitland's, Cambridge University Press). Homer: *Odyssey*, Books VII—XII, (Merry's, Oxford University Press, Toronto). North & Hillard's *Greek Prose Composition*, (Rivington, London).

3. (1930-31). *M.* and *W.* at 12 m.

Pre-requisite.—Greek 2.

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

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

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

4. (1929-30). *M. and W. at 12 m.*

Pre-requisite.—Greek 2.

Plato: *Apology*. Aristophanes: *Clouds*. *Plato: *Crito*. *Homer: *Iliad*, Book VI. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Plato: *Apology*, (Williamson's, Macmillan Co., Toronto); *Crito*, (Keene's, Macmillan Co., Toronto). Aristophanes: *The Clouds*, (Merry's, Oxford University Press, Toronto). Homer: *Iliad*, Book VI, (Leaf and Bayfield's, Macmillan Co., Toronto).

5. (1930-31). *M. at 11 a. m., Tu. and Th. at 4.30 p. m.*
Aeschylus: *Eumenides*, *Prometheus Vinculus*. Sophocles: *Ajax*, *Oedipus Rex*. Demosthenes: *De Corona*. Plato: *Republic* I-IV.

6. (1929-30) *M. at 11 a. m., Tu. and Th. at 4.30 p. m.*
Homer: *Odyssey*, V-VIII. Aristophanes: *Frogs and Knights*. Thucydides: II. Aristotle: *Poetics*, and selections from the *Ethics*.

A portion only of the work prescribed for Greek 5 and for Greek 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.

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

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

II. New Testament Greek.

Pre-requisite.—Greek 1.

The class and examination in New Testament Greek conducted by Professor J. W. Falconer in the Pine Hill Divinity Hall of 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 the Pine Hill Divinity Hall, of 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

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

those taking the affiliated course for Divinity. Similar classes in other theological colleges approved by the Faculty are also recognized for the same purpose.

IV. Modern Languages.

Professor.....René Gautheron.
Associate Professor.....C. H. Mercer.
Lecturer.....

French.*

1. Tu., Th. and S., Section I, at 9 a. m., Section II, at 10 a. m.
Pre-requisite.—Matriculation French.

Buffum: *Contes français* (Henry Holt and Co.). Madame de Girardin: *La joie fait peur*. Edmond Rostand: *Cyrano de Bergerac*. Kastner and Marks: *A new course of French Composition*. Book I (Dent and Sons). History of French literature: *Les grands écrivains français*, by Ch. M. des Granges. (Hatier, Paris). D. C. Pargment: *Le français oral*. (Heath and Co.).

2. Tu., Th. and S., Section I, at 9 a. m., Section II, at 10 a. m., Section III, M., W. and F. at 9 a. m.

Fraser and Squair: *Complete French Grammar*. Kastner and Marks: *A new course of French composition*. Book II. (Dent and Sons). Ch. M. des Granges: *Histoire de la littérature française*. Molière: *L'Avare* and *Les Femmes Savantes*. (Pellisson's edition, Delagrave, Paris, or any correct text). La Fontaine: *Fables* (Clement's edition. Armand Colin, Paris). Racine: *Les Plaideurs*. La Bruyère: *Les Caractères*.

Additional for distinction: Scarron: *Le Roman comique*. (Selected). Boileau: *Satires*. Regnard: *Le Joueur*. Victor Hugo: *Les Pauvres gens*. A. Daudet: *Contes du lundi*.

3. (1930-31). Tu. and Th. at 3.30 p. m.

History of the French literature with special reference to the 19th and 20th centuries. Ch. M. des Granges: *Pages de littérature française, 1800-1920*. Alfred de Musset: *Fantasio*. Balzac: *Le Colonel Chabert*. Alfred de Vigny: *La Veillée de Vincennes*. Lamartine: *Chefs d'oeuvre poétiques*. Alexandre Dumas fils: *La Question d'argent*. Kastner and Marks: *A new course of French composition*. Book III. (Dent and Sons).

Additional for distinction: Chateaubriand: *Mémoires d'outre-tombe*. Mérimée: *Colomba*. Victor Hugo: *Eviradnus*. (Cambridge University Press). Alphonse Daudet: *Tartarin de Tarascon*. Jules Lemaitre: *Racine*.

4. (1929-30). Tu. and Th. at 3.30 p. m.

History of the French literature with special reference to the 18th and 19th centuries. Voltaire, by L. Flandrin. (Collection d'auteurs français d'après la méthode historique, Hatier, Paris). Montesquieu: *Lettres persanes*. (Selected). Le Sage: *Gil Blas*. J. J. Rousseau: *Emile* (livre II). André Chénier: *Poésies choisies*. Alfred de Vigny: *Stello*. Alfred de Musset: *Carmosine*.

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

Additional for distinction: Rivarol: *Discours sur l'universalité de la langue française*. Beaumarchais: *Le Barbier de Séville*. Alfred de Musset: *Lettres de Dupuis et Cotonet*. Victor Hugo: *Poésies*. (The best French poetry. Dent and Sons). Emile Faguet: *Dix-huitième siècle*.

5. (1929-30). *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 contemporary literary movements; history, poetry, the novel, the theatre, criticism. The two following books are recommended: Daniel Mornet: *Histoire de la littérature et de la pensée française contemporaines*. (Larousse, Paris). Marcel Braunschvig: *La littérature française contemporaine étudiée dans les textes*. (Colin, Paris).

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 Arts or Science degrees.

German.

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

Lang & Needler: *German Grammar* (Ryerson Press, Toronto) Bagster-Collins: *First German Reader* (Holt). Storm: *Immensee* (Holt).

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.*

Pre-requisite: *Matriculation German*.

Betz: *Modern German Reader* (Heath). Freytag: *Die Journalisten*. Grillparzer: *Des Meeres und der Liebe Wellen* (Holt). Collmann: *Easy German Poetry* (Ginn). Lang & Needler: *German Grammar* (will be used for exercises in composition)

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

Pre-requisite: *German 1*.

Pope: *Writing and Speaking German*, New Series (Holt). Fulda: *Der Talisman* (Ginn). Schiller: *Die Jungfrau von Orleans* (Holt). Goethe: *Hermann und Dorothea* (Ginn). Bruns: *German Lyrics* (Heath). Storm: *Auf der Unversitaet* (Holt).

Additional for distinction: *Faust*, Part 1; or, *Wallenstein* and *Maria Stuart*.

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

Pre-requisite: *German 2*.

A. German composition.

B. Outline of German Literature. Stroebe & Whitney: *Geschichte der deutschen Literatur* (Holt).

C. Special study of the modern period with reading of significant works including the following which are available in annotated editions as indicated: Hebbel: *Agnes Bernauer* (Heath) and *Herodes und Mariamne* (Holt); Otto Ludwig: *Der Erbfoerster* (Holt), and *Zwischen Himmel und Erde* (Heath).

Freytag: *Soll und Haben* (Ginn). Wilbrandt: *Der Meister von Palmyra* (American Book Company). Wagner: *Die Meistersinger* (American Book Company). Raabe: *Eulenspiegel* (Heath). Sudermann: *Heimat* (Heath). *Katzensteg* (Heath). *Johannes* (Heath), and *Frau Sorge* (Holt, Heath).

Additional for distinction: the work of Heine or of Thomas Mann.

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

Pre-requisite: *German 2*.

A. & B., as in German 3. Instead of C, Scholtz: *Scientific German* (Macmillan) will be studied.

4. Pro-seminar: 1929-30.

Pre-requisite: *German 3*.

The romantic period with special attention to Goethe's work.

10. **Commercial German.**—Two hours per week.

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

Spanish.

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

Hills and Ford: *First Spanish Course*, (Heath). Wilkins: *Beginners' Spanish Reader* (Holt). Marmol: *Amalia* (Heath). Camba: *La Rana Viajera*.

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

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

Wilkins: *Second Spanish Book* (Holt). Luria: *Correspondencia Comercial* (Silver, Burdett). Morley: *Spanish Humor* (Ginn). Echeagaray: *O locura o santidad* (Heath).

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

Luria: *Correspondencia Comercial* (Silver, Burdett). Cervantes: *Don Quixote* (Heath). Wilkins: *Antologia de Cuentos Americanos* (Heath). Crawford: *Temas Españoles* (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. (1930-31). *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

Cowper, Crabbe, Blake, Burns, Chatterton. Scott. Byron. Wordsworth.

For Distinction: An essay on a subject assigned by the instructor.

5. Nineteenth Century Literature.—(1929-30). *M. and W. at 12 m.*

Pre-requisite.—English 2.

Tennyson, Browning, Arnold, Dickens, Thackeray, Carlyle. History of Literature. 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.—(1929-1930). *M. and W. at 11 a. m.*

Pre-requisite.—German 1.

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

7. Elizabethan Drama.—(1930-31). *M. and W. at 11 a. m.*

Pre-requisite.—English 2.

Marlowe, Greene, Jonson, Beaumont and Fletcher, Massinger, Webster, Shakespeare: *The Tragedies, Two Noble Kinsmen*.

8. Literary Movements in Canada.—(1929-30). *Tu. and Th. at 9 a. m.*

Pre-requisite.—English 2.

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

Distinction: Chittick: *Thomas Chandler Haliburton*.

9. Drama.—(1929-30). *M. and W. at 11 a. m.*

Pre-requisite.—English 2.

10. Advanced English Composition.—(1929-30). *Tu. and Th. at 10 a. m.*

Pre-requisite.—English 2.

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

Distinction: Manly and Rickert: *The Writing of English*.

11. The Essay in English.—(1930-31).—*Tu. and Th. at 2.30 p. m.*

Pre-requisite.—English 2.

English essayists from Bacon to the present day.

Distinction: The life and works of a selected essayist.

20. Composition and Literature.—(1929-30)—*M. W. and F. at 12 m.*

A class for pre-medical, pre-dental, science, engineering and commerce students. The Renaissance; Puritans and Kings; 18th century ideals of sanity and order.

Text Book: *The Great Tradition*.

21. Composition and Literature.—(1930-31). *M. W. and F. at 12 m.*

A Class for pre-medical, pre-dental, science, engineering and commerce students. The rise of modern democracy; 19th 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.—
M., W. and F. at 9 a. m. or 10 a. m.

Pre-requisite:—Matriculation History.

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

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

2. Ancient History.—(1929-30, and in alternate years).—

M. W. and F. at 10 a. m.

Pre-requisite:—History 1.

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

3. Modern England.—(1930-31, and in alternate years).—

M., W. and F. at 10 a. m.

Pre-requisite:—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 1815*. Seeley: *The Expansion of England*.

4. History of Europe since 1815.—(1930-31, and in alternate years).—*Tu. and Th. at 9 a. m.*

Pre-requisite:—Two classes in History.

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

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

5. History of Europe, 1715-1815. (1929-30, and in alternate years).—*Tu. and Th. at 9 a. m.*

Pre-requisite:—Two classes in History.

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

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

6. **England under the Tudors.** (1929-30, and in alternate years). *M. and W. at 2.30 p. m.*
Pre-requisite:—Two classes in History.
7. **The Fourteenth Century.**—(1930-31, and in alternate years).—*M. and W. at 2.30 p. m.*
Pre-requisite:—Two classes in History.
Suggested Reading: Poole and Hunt: *Political History of England, Vols. III and IV.* Lodge: *Close of the Middle Ages.* Jusserand: *English Wayfaring Life in the Middle Ages.* Cunningham: *Growth of English Industry and Commerce, Vol. I.* Traill: *Social England, Vol. II.* Froissart's *Chronicle.*
8. **History of Canada to 1837.**—(1929-30, and in alternate years).—*Tu. and Th. at 10 a. m.*
Pre-requisite:—History 1.
Suggested Reading: Parkman: *Works.* Munro: *The Seigniorial System in Canada.* Garneau: *Histoire du Canada.* Durham: *Report. Canada and its Provinces.*
9. **History of Canada since 1837.**—(1930-31, and in alternate years).—*Tu. and Th. at 10 a. m.*
Pre-requisite:—History 1.
Suggested Reading: Dent: *Canada since the Union of 1841.* Turcotte: *Le Canada Sous L'Union.* Bryce: *Remarkable History of the Hudson Bay Co.* Skelton: *Life and Times of A. T. Galt, Life and Letters of Sir Wilfrid Laurier.* Pope: *Sir John Macdonald.* Preston: *Life and Times of Lord Strathcona.* Cartwright: *Reminiscences.* Siegfried: *The Race Question in Canada.* Moore: *The Clash. Canada and its Provinces.*
10. **Seminar Course on Canadian History with Special Reference to Nova Scotia.**
For M. A. and Honour students. All others must obtain the consent of the instructor.
Pre-requisite:—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.

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

1. **Principles of Economics.**—*M. W. and F. at 10 a. m. or 11 a. m.*

Text Book: Ely: *Outlines of Economics.*

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

2. Modern Economic History.—(1930-31). *Tu. and Th. at 3.30 p. m.*

Pre-requisite:—Economics 1.
Text Books: Ogg: *Economic Development of Modern Europe*. Bogart: *Economic History of the United States*.
Books Recommended: Cunningham: *Growth of English Industry and Commerce. Canada and its Provinces*. Selected Portions. Toynbee: *Industrial Revolution*.

3. Money and Banking.—(1930-31), *Tu. and Th. at 2.30 p. m.*

Pre-requisite:—Economics 1.
Text Books: Foster and Catchings: *Money*. Dunbar: *The Theory and History of Banking*.
Books Recommended: Fisher: *The Purchasing Power of Money*. Bagehot: *Lombard Street*. Johnson: *Canadian Banking System*. Phillips: *Readings in Money and Banking*. Cassel: *Money and Foreign Exchange after 1914*. Furniss: *Foreign Exchange*.

4. Labor Problems and Trusts.—(1929-30). *T. 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*.
Books Recommended: Cole: *The World of Labour*. Webb: *History of Trade Unionism*. Cole: *Self Government in Industry*. MacGregor: *Industrial Combination*.

5. Public Finance.—(1929-30). *Tu. and Th. at 11 a. m.*

Pre-requisite:—Economics 1.
Books Recommended: Bastable: *Public Finance*. Seligman: *Essays in Taxation*. Plehn: *Introduction to Public Finance*. Stamp: *The Principles of Taxation*. Bullock: *Selected Readings in Public Finance*.

6. Statistics.—(1929-30). *Tu. and Th. at 2.30 p. m.*

Pre-requisite:—Economics 1, Matriculation Mathematics.
Text Book: Day: *Statistical Analysis*.
Books Recommended: Jerome: *Statistical Method*. W. I. King: *Elements of Statistical Method*. Yule: *Introduction to the Theory of Statistics*. Bowley: *Elements of Statistics*. Secrist: *Introduction to Statistical Methods*. Fisher: *Index Numbers*. Mitchell: *Index Numbers of Wholesale Prices in the United States and Foreign Countries*. Chaddock: *Principles and Methods of Statistics*.

7. History of Economics.

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

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

8. International Trade and Tariff Problems.—(1930-31)
Tu. and Th. at 11 a. m.

Pre-requisite:—Economics 1.
Text Book: F. W. Taussig: *Selected Readings in International Trade and Tariff Problems*.
Books Recommended: Furniss: *Foreign Exchange*. Bastable: *The Theory of International Trade*. Taussig: *Some Aspects of the Tariff Question. Tariff History of the United States*. Porritt: *Sixty Years of Protection in Canada*.
Taussig: *International Trade*.

9. Economic Problems of Canada.—*Two hours per week.*

Pre-requisite:—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*. 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.—(1930-31). *M. and W. at 3.30 p. m.*

Pre-requisite:—Sociology 1. (or Economics 1).

Text Books: Beach: *Introduction to Sociology and Social Problems*. Wright: *Population*. Queen and Mann: *Social Pathology*. Towne: *Social Problems*.

Also topical bibliography supplied in class.

3. Social Legislation.—(1929-30). *M. and W. at 3.30 p. m.*

Pre-requisite:—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*.

Reference Books: Ilbert: *Mechanics of Law-making, Revised Statutes of Canada*. Seager: *Social Insurance*. Lippman: *Public Opinion*. Stewart: *Canadian Labour Laws*.

4. Anthropology.—(1929-30). *Tu and Th. at 2.30 p. m.*

Pre-requisites:—Sociology 1 (or Economics 1).

Text Books: Kroeber: *Anthropology*. Wallis: *Introduction to Anthropology*. Reference Books: Lowie: *Primitive Society*. Tozzer: *Social Origins*. Goldenweiser: *Early Civilization*.

5. Social Theory.—(1930-31). *Tu. and Th. at 2.30 p. m.*

Pre-requisite:—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 pre-requisite 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*. Low: *Governance of England*. Anson: *Law and Custom of the Constitution*. Dickey: *Law of the Constitution*. Marriott: *Mechanism of the Modern State*. Munro: *Governments of Europe*. Keith: *Constitution, Administration and Laws of the Empire, 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.—*Tu. 7.30-9.30 p. m. One hour lecture followed by one hour discussion weekly.*

Books: Buell: *International Relations, Europe, A History of Ten years*. 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.—(1929-30). *M. and W. at 12 m.*

Pre-requisite:—Political Science 1.

Byce: *Modern Democracies* or equivalent. Headlam-Morely: *New Constitutions of Europe*. Mill: *Representative Government*. Lowell: *Public Opinion and Popular Government*. Wallas: *Human Nature and Politics*.

4. History of Political Theory.—(1930-31). *M. and W. at 12 m.*

Pre-requisite:—Political Science 1.

5. Imperial Relations and Problems.—(1930-31). *M. W. at 2.30 p. m.*

Pre-requisite:—Political Science 1 and the consent of the instructor.

6. Government of Canada—(to be given if sufficient demand; time to be arranged).

Pre-requisite: Political Science 1, and 3 or 4.

Seminar course for M. A. and Honour students. All others must obtain the consent of the instructor.

7. International Organization.—(1929-30). *M. and W. at 9 a. m.*

Books: Considerable use will be made of cases and documentary materials; recommended also: Brierly, *Law of Nations*. Potter, *Introduction to International Organization*; de Bustamante, *The World Court*, or equivalent. Howard-Ellis, *League of Nations*.

In special cases students who are candidates for the M. A. degree or who are taking an Honours Course in Political Science may be permitted to take one or more of the following classes given by the Faculty of Law.

History of English Law.

Constitutional Law.

International Law.

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 that 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,
Associate Professor.....

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

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

2. History of Greek Philosophy.—(1929-30). *W. and F. at 3.30 p. m.*

Pre-requisite:—Philosophy 1.

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

- 3. Ethics.**—(1929-30). *Tu. and Th. at 11 a. m.*
 Pre-requisite:—Philosophy 1.
 Text Books: Plato: *Republic*, I-IV. Butler: *Sermons*. Mackenzie: *Manual of Ethics*. Mill: *Utilitarianism*. Sidgwick: *History of Ethics*. Reference will also be made to Rashdall: *The Theory of Good and Evil*, and to Moore: *Principia Ethica*.
- 4. History of Moral Ideas.**—(1930-31) *Tu. and Th. at 11 a. m.*
 Pre-requisite:—Philosophy 1.
 Text Book: Lecky: *History of European Morals*. Reference will frequently be made to Westermarck: *Origin and Development of the Moral Ideas*.
- 5. Metaphysics.**—(1930-31). *Th. and S. at 10 a. m.*
 Pre-requisite:—Philosophy 1.
 Text Book: Taylor: *Elements of Metaphysics*.
- 6. History of Philosophy from Bacon.**—(1930-31). *W. and F. at 3.30 p. m.*
 Pre-requisite:—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.**—(1929-30). *Th. and S. at 10 a. m.*
 Pre-requisite:—Philosophy 1.
- 8. Philosophic Ideas in Literature.**—(1929-30). *W. and F. at 2.30 p. m.*
 Pre-requisite:—Philosophy 1.
 The course will include a study of philosophic ideas in Tolstoy, Hardy, Anatole France, H. G. Wells, Ibsen, Morley, Frederic Harrison, Mrs. Humphry Ward, Rabindranath Tagore, Wilfrid Ward, George Meredith, G. Bernard Shaw.

Psychology.

Professor.....

- 1 Experimental Psychology.**—(1930-31). *M. and W. at 9 a. m.*
 Pre-requisite.—Philosophy 1.
 Text Book: Langfeld and Allport: *Elementary Laboratory Course in Psychology*.
- 2. Social Psychology.**—(1929-30). *M. and W. at 9 a. m.*
 Pre-requisite.—Philosophy 1.
 Text Book: Allport: *Social Psychology*.
- 3. Child Psychology.**—(1929-30). *Tu. and Th. at 2.30 p. m.*
 Pre-requisite.—Philosophy 1.
 Books Recommended: Watson: *Psychological Care of Infant and Child*. Wickes: *The Inner World of Childhood*. Thom: *Everyday Problems of the Everyday Child*.
- 4. History of Psychology.**—(1930-31). *Tu. and Th. at 2.30 p. m.*
 Pre-requisite.—Philosophy 1.
 A review of the more important psychological theories from Plato down to modern times.
 Text Book: Rand: *The Classical Psychologists*. Frequent references will also be made to Brett: *A History of Psychology*.

Education.

Professor.....C. Wilson Smith.

Candidates for the degree of B. A. may, on graduation, obtain a recommendation for a school teacher's license 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 licenses 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.

Pre-requisite.—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.

Pre-requisites.—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.

In the work of this class, the department is assisted by Sister Maria Berchmans, H. H. Blois, M. Eileen Burns, Sister Marie Clotilde Martha H. Fleming, Beatrice E. Fry, Agnes O. Harlow, Lillian E. Marshall, R. E. Marshall, D. J. Matheson, S. A. Morton and Irene E. Warner.

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

XIII. Mathematics.

Professor.....Murray Macneill.

Lecturer.....J. G. Adshead.

1. Elementary Mathematical Analysis.—*M. W. and F. at 10 a. m. or 11 a. m. or Tu. Th. and S. at 11 a. m.*

Pre-requisite:—Matriculation Algebra and Geometry.

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

Pre-requisite:—Matriculation Algebra and Geometry.

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

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

2. **Analytic Geometry.**—*Tu. and Th. at 11 a. m.*
Pre-requisite:—Mathematics 1, which may, however, be taken at the same time by those who have matriculated in trigonometry.
Text Book: Smith and Gale: *New Analytic Geometry.*
3. **Infinitesimal Calculus.**—*M. W. and F. at 11 a. m.*
Pre-requisite:—Mathematics 1 and 2.
Text Book: Granville: *Differential and Integral Calculus.*
4. **Solid Geometry and Spherical Trigonometry. Analytic Geometry of three dimensions.**—*Tu. and Th. at 10 a. m.*
Pre-requisite:—Mathematics 1 and 2. The latter may be taken at the same time.

Advanced Classes.

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

5. **Advanced Calculus.**—Topics in the treatises of Todhunter, Williamson, Harnack, Lamb and Gibson.
6. **Plane and Solid Analytical Geometry.**—Based on the treatises of Salmon and C. Smith.
7. **Differential Equations.**—Murray's *Differential Equations*, with supplementary lectures.
8. **Algebra.**—Topics in Determinants, Theory of Equations, Quantics, Invariants, with lectures on Series and Functions of a real variable.
9. **Projective Geometry.**

XIV. Physics.

Professors.....H. L. Bronson, (*Head of Dept.*), J. H. L. Johnstone.
Demonstrators....H. M. Chisholm, H. A. Weir, Elizabeth L. Torrey,
A. F. Chisholm.

MacGregor Fellow.....

1. **General Physics.**—*Lect.: M. W. and F. at 11 a. m. Lab.: Two hours per week.*
Pre-requisite:—Matriculation Mathematics and Physics.
Text Book: Stewart: *Physics.*
20. **Light, Sound, X-Radiation and Radio-Activity.**—*Tu. and Th. 9-12.*
Pre-requisite:—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*; Chadwick: *Radio Activity.*

- 2. Mechanics, Hydrostatics, Heat, Light and Sound.**—
Lect.: M. W. and F. at 10 a. m. Lab.: W. at 2.30 p. m., but other hours may be arranged.
 Pre-requisite:—Mathematics 1; but it may, however, be taken at the same time.
 Text Book: Duncan and Starling: *Text Book of Physics.*
- 3. Electricity and Magnetism.**—*Lect.: Tu. and Th. at 9 a. m. Lab.: M. at 2.30 p. m.*
 Pre-requisite:—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 Book: Spinney: *A Text Book of Physics.* Timbie: *Elements of Electricity.*
- 4. Thermodynamics.**—(1929-30). *Lect.: W. and F. at 12 m. Lab.: Tu. at 2.30 p. m.*
 Pre-requisite:—Mathematics 3, Physics 1 or 2.
 Books Recommended: Lewis and Randall: *Thermodynamics.* Birtwistle: *Principles of Thermodynamics.*
- 5. Light.**—(1930-31) *Lect.: W. and F. at 12. m. Lab.: Th. at 9 a. m.*
 Pre-requisite:—Mathematics 3, Physics 1 or 2.
 Books Recommended: Schuster: *Theory of Optics.* Wood: *Physical Optics.*
- 6. Electricity and Magnetism.**—*Lect.: M. and W. at 9 a. m. Lab.: F. at 2.30 p. m.*
 Pre-requisite:—Mathematics 3, Physics 1 or 3.
 Books Recommended: Starling: *Electricity and Magnetism for advanced Students.* Franklin and Williamson: *Alternating Currents.*
- 10. Elementary Practical.**—*Six hours per week.*
 Pre-requisite:—Physics 1, or its equivalent.
 This course is a continuation of the experimental work of Physics 1, but is somewhat more difficult and in it more attention is paid to experimental methods. It is intended for advanced students in Chemistry and for those who desire a larger acquaintance with the experimental side of Physics than is to be obtained in Physics 1.
- 11. Advanced Practical.**—*Six hours per week.*
 Pre-requisite:—Physics 2 and 3.
 The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 2 and 3, and a greater degree of precision will be expected in the determinations made.
- 12. Research Course.**—*At least ten hours per week.*
 The work will consist of new investigations conducted by students who show sufficient ability and are otherwise qualified to undertake it.
- Physics Seminar and Journal Club.**—*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.—2 hours lectures and one laboratory period.

Pre-requisite:—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.

Pre-requisite:—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.* Lamb: *Dynamics.*

15. Advanced Mechanics.

Pre-requisite:—Physics 14 and Mathematics 7.

A continuation of the previous course.

16. Introduction to Mathematical Physics.

Pre-requisite:—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.* Houston: *Introduction to Mathematical Physics.*

18. Quantum Theory and Relativity.

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

19. Advanced Electricity and Magnetism.

Pre-requisite:—Mathematics 7 and Physics 16.

Book Recommended: Jeans: *Electricity and Magnetism.*

XV. Chemistry.

Research Professor (Head of Dept.)..... D. McIntosh.

Professor..... C. B. Nickerson.

Assistant Professor..... H. S. King.

Instructor..... E. W. Todd.

1. General Chemistry.—Lect.: *M. W. and F. at 9 a. m. Lab.: M. at 2.30 p. m.*

Pre-requisite:—Matriculation Algebra, Chemistry or Physics.

1A. General Chemistry.—Lect.: *M. W. and F. at 9 a. m. Lab.: M. and W. or Tu. and Th. at 2.30 p. m.*

Pre-requisite:—Matriculation Algebra, Chemistry or Physics.

The Laboratory work of this course is that of Chemistry 1 with two and one-half additional hours per week, part of which is spent in a preliminary course in qualitative analysis.

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

2. **Advanced Inorganic Chemistry and Qualitative Analysis.**—*Lect.*: *M. W. and F. at 10 a. m.* Fall Term. *Lab.*: *M. W. and F. at 2.30 p. m.* Fall Term.
Pre-requisite:—Chemistry 1 or 1A.
- 2A. This Class consists of the lectures of Chemistry 2, without laboratory. It cannot be offered for the B. A. or B. Sc. degree.
Pre-requisite.—Chemistry 1A.
Books Recommended: McPherson and Henderson: *A Course in General Chemistry*. Smith and Kendall: *Inorganic Chemistry*. Talbot and Blanchard: *Electrolytic Dissociation Theory*. Noyes: *Qualitative Chemical Analysis*.
4. **Organic Chemistry.**—*Lect.*: *M. W. and F. at 10 a. m.* Winter Term. *Lab.*: *Six hours per week.* Winter Term.
Pre-requisite:—Chemistry 1 or 1A.
Books Recommended: Remsen and Orndorff: *Organic Chemistry*. Perkin and Kipping: *Organic Chemistry*.

Advanced Classes.

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

5. **History of Chemical Theory.**—(1929-30). *Twice a week.*
The development of chemical theory from the time of Boyle.
Books Recommended: Armitage: *History of Chemistry*. Roscoe: *Dalton and the Rise of Modern Chemistry*. Shenstone: *Justus von Liebig*. Thorpe: *Essays on Historical Chemistry*. Schorlemmer: *Rise and Progress of Organic Chemistry*. Stewart: *Recent Advances in Organic Chemistry*. Lachman: *Spirit of Organic Chemistry*. *Selected Memoirs from the Alembic Club Reprints and Ostwald's Klassiker*. For Reference: Von Meyer: *History of Chemistry*.
6. **Physical Chemistry.**—*Lect.*: *Tu. and Th. at 9 a. m.* *Lab. S. at 9 a. m. and three additional hours.*
Pre-requisite:—Chemistry 2.
Books Recommended: Walker: *An Introduction to Physical Chemistry*. Findlay: *Practical Physical Chemistry*. Ostwald: *Principles of Inorganic Chemistry and Outlines of General Chemistry*. Washburn: *Physical Chemistry*.
7. **Quantitative Analysis.**—*Lect.*: *W. at 9 a. m.*
Pre-requisite:—Chemistry 2.
Lectures on the general principles of quantitative analysis, and nine hours of laboratory work each week.
Text Book: Talbot: *Elementary Quantitative Analysis*.
8. **Modern Theories of Chemistry.—Electrochemistry.**—(1930-31). *Two lectures a week.*
Pre-requisite:—Chemistry 2 and 4.
Books Recommended: Lewis: *Valency*. Thompson: *The Electron in Chemistry*. Aston: *Isotopes*. Bragg: *X-Ray Spectroscopy*. LeBlanc: *Electrochemistry*. Creighton and Fink: *Electrochemistry*. Thomson: *Applied Electrochemistry*. Stansfield: *The Electric Furnace*.
9. **Advanced Quantitative Analysis.**—*One lecture and nine hours laboratory work per week.*
Pre-requisite:—Chemistry 4 and 7.
Books Recommended: Fay: *An Advanced Course in Quantitative Analysis*. Blair: *The Chemical Analysis of Iron and Steel*. Ibbotson: *Steel Works Material*. Demorest: *Quantitative Analysis*. Washington: *The Analysis of Silicate Rocks*. Woodman: *Food Analysis*. *Bulletins of the U. S. Department of Agriculture*.

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

Pre-requisite:—Chemistry 4.

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

11. Research.—The work of this class will consist of original investigation conducted by students who have shown themselves qualified.

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. (One afternoon a week is the full requirement).*

Pre-requisite:—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.*

Pre-requisite:—Geology 1.

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

3. Mineralogy and Petrography.—(1930-31). *Lect.: Two hours per week. Lab.: Chiefly microscopical. One afternoon per week.*

Pre-requisite:—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.—(1929-30). *Lect.: Two hours per week. Lab.: Three hours per week.*

Pre-requisites.—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 Book: 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.*
 Pre-requisite:—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.*
 Pre-requisite:—Geology 1.
7. **Geological Chemistry.**—*Lect., one hour per week. Lab.: six hours per week.*
 Pre-requisite:—Geology 3 and 4, Chemistry 7.

XVII. Biology.

Biology 1.—Section A. *Lect.: Tu. and Th. at 2.30 p. m. Lab.: Tu. and Th. at 3.30 p. m.* Section B. *Lect.: Tu. and Th. at 9 a. m. Lab.: Tu. and Th. at 10 a. m.*
 Pre-requisite:—Matriculation Physics or Chemistry.
 Text Books: Curtis and Guthrie: *Text Book of General Zoology.* Holmes: *Biology of the Frog.* Curtis and Guthrie: *Laboratory Directions in General Zoology.*

Zoology.

Associate Professor.....James Nelson Gowanloch.
Demonstrator in Zoology.....

Zoology 2. Invertebrate Zoology.—(1929-30). *Lect.: Two hours per week. Lab.: Four hours per week.*
 Pre-requisite:—Biology 1.
 Books Recommended: Parker and Haswell: *Text Book of Zoology*, vol. 1. Pratt: *Manual of Common Invertebrate Animals.* Drew: *Invertebrate Zoology.* All three of these books are required.

Zoology 3. Comparative Vertebrate Anatomy.—(1929-30).
Lect.: S. at 9 a. m. Lab.: S., 10 a. m to 1 p. m.
 Pre-requisite:—Biology 1, which may be taken concurrently.
 Books Recommended: Hyman: *Laboratory Manual for Comparative Vertebrate Zoology.* Reighard and Jennings: *Anatomy of the Cat.* Davison and Stromsen: *Mammalian Anatomy with Especial Reference to the Cat.*

Zoology 4. Variation, Evolution and Genetics.—(1930-31).
Lect.: Two hours per week. Lab.: Four hours per week.

Zoology 5. Marine Zoology.—(1930-31) *Lect.: Two hours per week. Lab.: Four hours per week, together with field trips.*

Zoology 6. Zoological Seminar.—(1929-30) *Lect.: Two hours per week. Special meetings by arrangement.*
 The seminar for this year (1929-30) will treat of the field of heredity, genetics and eugenics.

Zoology 7. Research Course. *At least ten hours per week.*
 Original zoological investigations carried out by students properly prepared to pursue research constitute the work of this class. It is often desirable that a part of such research be conducted during the summer months at the Eastern Passage Marine Biological Station, Halifax, at the Atlantic Biological Station, St.

Andrews, N. B., or the Marine Biological Laboratory, Woods Hole, Mass.

NOTE.

The special course in Marine Zoology given during the summer months at the Eastern Passage Marine Biological Laboratory, Halifax, is required for students proceeding to the degree of Bachelor of Science in Fisheries and is likewise available for other students of the University.

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

Botany.

Associate Professor.....H. P. Bell.
Demonstrator in Botany.....Margaret R. Butler.

2. **Cryptogamic Botany.**—*Lect.: M. and W. at 2.30 p. m. Lab.: M. and W. at 3.30 p. m.*
Pre-requisite:—Biology 1.
3. **Phanerogamic Botany.**—(1930-31) *Lect.: M. and W. at 2.30 p. m. Lab.: M. and W. at 3.30 p. m.*
Pre-requisite:—Biology 1.
4. **Mycology.**—*Lect.: Two hours per week. Lab.: Four hours per week*
Pre-requisite:—Biology 1.
5. **Algology.**—*Lect.: Two hours per week. Lab.: Four hours per week.*
Pre-requisite:—Biology 1.
Special attention is given to the marine forms found in the vicinity of Halifax. Before credit will be given for this course the student must present an original collection of at least twenty-five species properly identified and mounted.
6. **Biological Laboratory Technique.**—*Lect.: One hour per week. Lab.: Ten hours per week.*
Pre-requisite:—Biology 1.
Text Book: Chamberlain: *Methods in Plant Histology*, or Guyer: *Animal Micrology*.
Reference: Lee: *The Microtometist's Vade-Mecum*.
7. **Botanical Seminar.**—(For advanced students only). *Lect.: At least two hours per week.*
8. **Research Course.**—(For advanced students only). *At least ten hours per week.*

Histology and Embryology.

The classes in Histology and Embryology given in the Medical Faculty may be selected as electives for the Arts or Science degrees by those who offer a group 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.

M. and W. at 3.30 p. m.

This course, conducted by Professor J. W. Falconer, consisting of about fifty lectures accompanied with illustrations, will give an outline of the history of 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.....H. Dear.

Music 1.—Harmony and Counterpoint.—(1930-31).

Music 2.—History of Music, Appreciation of Music and Analysis of Musical Form.—(1929-30).—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.

ENGINEERING COURSES.

Professor.....W. P. Copp.
Associate Professor.....H. R. Theakston.

XXI. Mechanics.

2. Advanced.—M. and F. at 9 a. m.

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

This course is intended for Engineering students, but can be offered for a degree in Arts and Science.

Text Books: Poorman: *Applied Mechanics.*

3. Graphical Statics.—Lect.: W. at 9 a. m. Lab. W., 2.30 to 5.30 p. m.

Pre-requisite:—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. at 12 m.
 Pre-requisite:—Drawing 1, Physics 2, Mathematics 1, 2 and 3 (the latter, however, may be taken simultaneously).
 Text Book: Angus: *Theory of Machines*.
5. **Materials of Construction.**—*Th.* at 11 a. m.
 Text Book: Moore: *Materials of Engineering*.

XXII. Surveying.

1. **Elementary.**—*M.* at 10 a. m. One lecture per week to first year students in preparation for the Surveying Camp.
- 2.—*Tu. and Th.*, 2.30 to 5.30 p. m.
 Pre-requisite:—Drawing 1 and Mathematics 1 and 2 (the latter however, may be taken simultaneously).
 Text Book: Breed & Hosmer: *Plane Surveying*.
 (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.*

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.*: M., 2.30 to 5.30 p. m.
 This course or Drawing 1 is required of all students proceeding to the Degree of B. Sc. It is a modification of Drawing 1 and in addition deals with perspective. 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:
3. **Advanced Engineering Drawing.**—*S.*, 10 a. m. to 1 p. m.
 Pre-requisite:—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
 Lecturers in Commercial Law
 Lecturer in Accounting E. Kaulbach.

1. Elementary Accounting.—*M. W. and F. at 3.30 p. m.*
 Text Book: Kester: *Accounting Theory and Practice*, Vol. 1, 2nd Edition and Practice Data.

2. Intermediate Accounting.—*M. W. and F. at 11 a. m.*
 Pre-requisite:—Commerce 1.
 Text Book: Kester: *Accounting Theory and Practice*, Vol. II and Practice Data.
 Reference will be had to Bennett: *Corporation Accounting*. Hatfield: *Accounting*. Dickinson: *Accounting Practice and Procedure*. Spicer and Pegler: *Auditing*.

3. Advanced Accounting Problems.—(1930-31). *Three hours per week.*
 Pre-requisite:—Commerce 2.
 Reference Books: Spicer and Pegler: *Auditing*. Hoskins: *Joint Stock Companies*. Dickinson: *Accounting Practice and Procedure*. Montgomery: *Auditing, Theory and Practice*.

4. Marketing and Distribution.—*Tu. and Th. at 9 a. m.*
 Pre-requisite:—Economics 1.
 Text Books: Macklin: *Efficient Marketing for Agriculture*. Clark: *Principles of Marketing*. Copeland: *Marketing Problems. Principles of Merchandising*.
 Readings from Cherington: *Advertising as a Business Force*. Nystrom: *Economics of Retailing*. Marshall: *Industry and Trade*. Shaw: *An Approach to Business Problems*.

5. Business Correspondence.—(1929-30) *S. at 10 a. m.*
 Pre-requisite:—English 2.
 Text Book: Gardner: *Effective Business Letters*.

6. Business Organization and Management.—(1929-30).
Tu. and Th. at 10 a. m.
 Pre-requisite:—Economics 1 and Commerce 1.
 Text Books: Marshall: *Business Administration*. Reference to Jones: *Administration of Industrial Enterprises*. Taylor: *Principles of Scientific Management*. Shaw: *An Approach to Business Problems*. Schell: *Technique of Executive Control*. Marshall: *Industry and Trade*. Clark: *Social Control of Business*.

7. Corporation Finance and Investments.—(1930-31). *Tu. Th. and S. at 10 a. m.*
 Pre-requisite:—Economics I, Commerce 2.
 Text Books: Reed: *Corporation Finance*. Dewing: *Problems in Finance*. Lagerquist: *Investment Analysis*.
 Reference will be had to: Dewing: *Financial Policy of Corporations*. Gerstenberg: *Financial Organization*.

8. Commercial Law.—(1930-31). *M. W. and F. at 12 m.*
 Reference: Cockle and Hibbert: *Cases on the Common Law*. Topham: *Company Law*.

9. Foreign Trade.—(1929-30) *M. and W. at 12 m.*
 Pre-requisite:—Economics 1; Commerce 4.
 Text Books: Furaiss: *Foreign Exchange*. Wyman: *Export Merchandising*. Tosdal: *Problems of Export Sales Management*. DeHaas: *Foreign Trade Organization*.

10. Railroad Transportation.
 Jackman: *"Economics of Transportation."*

XXVI. Fisheries.

<i>Lecturer in Fish Culture</i>	<i>A. H. Leim.</i>
<i>Lecturer in Biochemistry</i>	<i>S. A. Beatty.</i>
<i>Lecturer in Bacteriology</i>	<i>J. R. Sanborn.</i>
<i>Lecturer in Chemistry</i>	<i>J. H. Mennie.</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 of Fish Curing.** This course deals with the application of Physical principles in the preparation of fish and other marine forms for market.
- 3. Fish Culture.** A study of the method and problems of controlling life in the water, in connection with the development of aquatic resources.
- 4. The Chemistry and Bacteriology of Fish Curing.** This course covers the post mortem changes in fish flesh, as well as the processes occurring with each of the various methods of preparation.

Summer Session.

Marine Zoology, including a course in General Embryology and Fish Embryology. This session will be held at the Seaside Station, about five miles from the University. It is to be attended either between the second and third, or the third and fourth, years of the course, but preferably the former.

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 professorship was established in 1920 and a full-time lectureship in 1921. This lectureship was converted into an assistant-professorship in 1923. Besides the three full-time teachers, twelve 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 10,000 volumes, including practically all the English and Canadian Reports and a number of sets of legal periodicals. The Library also includes a special collection of works dealing with the subjects of Legal History and Jurisprudence, 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 24.

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 examinations, 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, two 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 from any College or University approved by the Council for the purpose.

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 article 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 article 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.*

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 1929-30 will begin on Tuesday, September 10th, 1929, and end on Friday, December 20th, 1929. The second term of the session of 1929-30 will begin on Friday, January 3rd, 1930 and end on Tuesday, May 13th, 1930. The last day on which students can register for the work of this session is Saturday, September 14th, 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. 23). 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 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. 10-16.

Ordinary Course for Degree of Bachelor of Laws.*

The ordinary course of study prescribed for the degree of Bachelor of Laws extends over three years and consists of the following twenty-two classes:

*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.—

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

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

Second Year.—

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

Second Term.—Property II, Procedure II, Corporations and Partnership, Equity I*, Sales, Evidence.

Third Year.—

First Term.—Conflicts, International Law, Shipping, Constitutional Law, Mortgages.

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

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 take classes in other faculties of the University, without special permission from the Faculty of Law.

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.

*During the academic year 1929-30, students of the second and third years will take Property II and Equity I.

**Bills and Notes and Equity II will not be given during 1929-30.

Special Course of Lectures.

Special courses of lectures are delivered annually by distinguished jurists, dealing with legal topics. The first was given in 1926 by Ferdinand Roy., LL. D., K. C., of the Quebec Bar, on Quebec Laws and Institutions. The second course was given in April, 1927, by Eldon R. James, A. B., LL. B., S. J. D., Professor of Law at Harvard University, on Extra-territoriality. The third course was given in April, 1928, by Dean J. D. Falconbridge, K. C., of Osgoode Hall, on Codification.

Course for Degree of Bachelor of Laws with Honours in Jurisprudence.

A student who has completed the work of the first year with sufficient credit may enter upon the course leading to the degree of Bachelor of Laws with Honours in Jurisprudence.

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 of the first year.

A candidate for Honours must complete, in addition to the work of the first year, classes from the Ordinary Course of the second and third years involving at least forty units of instruction. One instructional period per week for one term shall constitute the unit for this purpose. The selection of classes by the candidate shall be subject to the approval of the Faculty. A candidate for Honours who takes classes out of the order prescribed in the Ordinary Course shall not be regarded as having departed from the prescribed curriculum.

A candidate for Honours must take, during the second year, in addition to the units of instruction prescribed above, the following special courses:—

I. Roman Law.

The course in Roman Law will include a survey of the historical development of the Roman Legal System and a study of its main features in its period of maturity. A comparative study of a special topic will be made. The course will also relate the Roman Law to Modern Civil Law, with particular emphasis upon the Quebec system.

II. Jurisprudence.

The course in Jurisprudence will include a study of the historical development of Juristic Thought. The

Common Law System will be studied from the analytical, comparative, historical and functional points of view. The course will include a study of modern tendencies in juristic thought.

III. Legal Research.

This course will include advanced studies in a special field to be selected under the supervision of the Faculty. It will include experience and training in legal research. The candidates must make an extended study of sources and authorities relating to a selected topic and submit a thesis based upon the results of such study. Each candidate will conduct his own investigation and the thesis must be the result of his own effort, but he will be attached to a member of the Faculty for general supervision and counsel.

The examination in the Honour Course will be held at the end of the third year. It will include both written and oral examinations.

Successful candidates will be declared to have obtained their degrees with Honours, with High Honours or with High Honours and a Medal. A candidate who does not reach the standard required for Honours may be recommended by the Faculty for the ordinary degree.

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 Honour Course, provided he reaches a very high standard of excellence, both in the subjects of the Honour Course and in the subjects of the Ordinary Course taken by him during his second and third years.

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.

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.

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.....	\$ 35.00
Payable by those taking the regular prescribed curriculum, each year.....	175.00
Students departing from the prescribed curriculum will be charged for each class singly; but the maximum charge for three years shall be.....	600.00
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 for degree conferred <i>in absentia</i>	5.00

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

See page 20 for

**Fee for Support of Student Organizations.
Caution Deposit.
Students' Loan Fund.**

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, including the principles of Agency.

Text Books: Williston's Cases: Anson on Contracts, Title on Contracts, Corbus Juris.

History of English Law.

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

Two 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: Warren: *Cases on Property.* Kirchwey: *Readings in the Law of 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.....A. L. Macdonald.

Three lectures per week, both terms.

The class includes a study of the whole field of Torts.

Text Books: Kenny: *Cases on the Law of Torts.* Salmond: *Torts.* Pollock: *Torts.*

Procedure I.

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

Three lectures per week, first term; two lectures per week, second term.

The class includes a study of the Judicature Act and Rules and also conduct by the students of Proceedings in the Practice Court. The work is conducted under the supervision of the lecturer.

Text Book: *Nova Scotia Judicature Act and Rules.*

Faculty of Law.

Second Year.

Property II.

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

Two lectures per week, both terms.

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

Bills and Notes.

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

(1930-31). *Two lectures per week, both terms.*

The class includes a study of 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.....J. E. Rutledge.

Two lectures per week, first term.

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

Text Book: *The Bankruptcy Act*.

Corporations and Partnership.

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

Three lectures per week, both terms.

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

Text Books: Palmer: *Company Law*. Pollock: *Partnership*.

Equity I.

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

(1929-30). *Five lectures per week, second term.*

Specific performance. Injunctions.

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

Sales.

Lecturer.....R. E. Inglis.

Three lectures per week, second term.

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

Text Book: Falconbridge: *Cases on Sales*.

Insurance.

Lecturers..... W. E. Thompson, 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 II.

Lecturer..... S. E. Smith

Three lectures per week, both terms.

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

Evidence.

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

Two lectures per week, both terms.

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

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

Third Year.

Constitutional Law.

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

(1929-30). *Three lectures per week, both terms.*

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 Book: Read: *Cases on Constitutional Law.*

International Law.

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

Two lectures per week, both terms.

History of the development of International Law. The Law governing Nations during Peace and War. Neutrality. The Laws of War. International Law during the Great War. International Arbitration. The League of Nations.

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

Practical Statutes and Rules of Interpretation.

Lecturer..... J. A. Walker

Two lectures per week, first term.

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

Text Book: Maxwell: *Statutes.*

Shipping.

Lecturer..... C. J. Burchell.

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.

Five 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 on Conflict of Laws, Corpus Juris*.

Mortgages and Suretyship.

Lecturer..... C. R. Chipman.

Two lectures per week, first term.

The class includes a study of the law governing mortgages and real estate and also the law of suretyship.

Equity II.

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

(1930-31). *Five lectures per week, second term.*

The class includes a study of the law governing trusts and trustees, fraud, misrepresentation and mistake.

Text Book: Smith: *Cases on Trusts*.

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

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

Faculty of Medicine.

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, St. John.

Prince Edward Island, Dr. Jas. Warburton, 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 practically any part of the British Empire and also in Italy and Japan, and, further, admission to the army and other medical services. Graduates of Dalhousie University are accordingly eligible for nomination under the following Militia Order:

"The Imperial Army Council has intimated that two commissions in the Royal Army Medical Corps will be granted annually to candidates who have qualified in the Medical Schools of Canada."

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 the 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 histology, embryology and anatomy 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. A very satisfactory Anatomy Act assures abundant material for dissection and operative surgery.

The laboratories of pathology and bacteriology, of the Victoria General Hospital, were designed to

provide for teaching and research in these subjects and made available to this 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 two large lecture rooms and a demonstration room 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 has recently erected a new building, known as the Dalhousie Public Health Clinic, which was planned to serve as an out-patient department to these various institutions, and to which the Halifax Visiting Dispensary has removed. Here, too, the work of various 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 (55 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.

Practical instruction in problems of nutrition is given to groups of students, taken in rotation, at the Halifax Infants' Home.

Public Health Nursing.

In March, 1920, the University initiated a Course in Public Health Nursing for graduate nurses. A circular giving details of the Course can be had on application to the University Office.

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.

The Academic Year consists of one session of eight months' duration. The session of 1929-30 will begin on Tuesday, Sept. 10th, 1929, and end on Tuesday, May 13th, 1930. Registration dates for the classes in the Faculty of Arts and Science preliminary to the Medical curriculum will be found on p. 22.

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 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. 109 *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, Bacteriology, Practical Materia Medica, Introduction to Clinical Medicine and Surgery, Practical Medicine, Pathology 1 and Psychology.

Third Year. Laboratory Diagnosis, Pharmacology, Pathology, Psychology, Medicine and Clinical Medicine, Surgery and Clinical Surgery, Obstetrics and Gynaecology.

*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. Pathology (Morbid Anatomy), Therapeutics, Medical Jurisprudence and Toxicology, Hygiene, Mental Diseases and Psychiatry, Obstetrics, Gynaecology and Clinical Gynaecology, Medicine and Clinical Medicine, Surgery and Clinical Surgery, Paediatrics, Autopsies.

Fifth Year. Surgical and Applied Anatomy, Operative Surgery, Therapeutics, Ophthalmology and Otolology, etc., Clinical Medicine, Clinical Surgery, Clinical Obstetrics, Vaccination, Clinico-pathological conferences, Autopsies.

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. 109, *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 Anatomy, Histology and Embryology); a practical examination in Anatomy; one paper, an oral and a practical examination in each of Physiology and Biochemistry.

Second Professional Examination.

One paper in Psychology and Pathology, one paper and an oral examination in each of the following subjects: Anatomy, Structural Neurology, Bacteriology, Practical Materia Medica; one paper and an oral and a practical examination in each of the following: Physiology and Biochemistry.

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, Psychology, Obstetrics and Gynaecology, a practical examination in Laboratory Diagnosis.

Fourth Professional Examination.

One paper in each of the following subjects: Surgery, Medicine, Obstetrics and Gynaecology, Medical Jurisprudence, Toxicology, Mental Diseases and Psychiatry, Hygiene, Paediatrics, Morbid Anatomy.

Fifth or Final Professional Examination.

One paper and an oral examination in each of the following subjects: Surgery in all departments and including Surgical Anatomy; Medicine in all 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.

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; the Distinctions 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. 102].

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 Hospital; (b) during at least one period of eight months on the practice of the Dalhousie Health Centre; (c) on at least ten maternity cases at Grace Maternity Hospital; (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 hav-

ing submitted complete histories in fifteen medical and fifteen surgical cases.

iii. Received instruction and attained proficiency in (a) administration of anaesthetics; (b) practice of vaccination.

Supplementary Examinations.

1. The conditions under which supplementary examinations are allowed are set forth under "Admission and Grading" (p. 101).

2. 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.

3. 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. 108).

Exemptions.

Candidates may be exempted from *attendance* on one or more subjects of the first four 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 four 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.

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 potero, 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, 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. 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.

Professor Cameron's Prize.—A prize of books will be awarded to the student of the first year who makes the highest marks in the Anatomy class.

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

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

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 \$1125.00 payable in five annual instalments of \$225.00 each. This does not include caution and laboratory deposits and the fee for the support of student organizations (see p. 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 \$150.00.

The tuition fee payable by a candidate for a degree who may be completing his course by attendance of only one year at Dalhousie University shall be \$250.00.

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 \$70.00 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 at cost or it may be obtained on a yearly payment plan, the payments made being applied toward the purchase price. 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 at the beginning of 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. Until 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 Examination.

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
Diploma, extra when conferred <i>in absentia</i>	5.00

See pages 19 and 20 for

Caution Deposit.

Laboratory Deposits.

Fee for Support of Student Organizations.

Students' Loan Fund.

COURSES OF INSTRUCTION.

I. Anatomy.

Professor.....John Cameron.
Demonstrators.....W. Alan Curry, Victor O. Mader, A. M. Marshall, N. H. Gosse, C. E. Kinley.

Anatomy Lectures.

1. Osteology and Arthrology.—*Th.*, 11 a. m., and *F.*, 12 m.
 This course is intended for first year students. The entire skeleton* with the exception of the cranial bones will be carefully studied, the bones and joints being examined in detail. All the ordinary bones of the skeleton are supplied to students, both in the Practical Anatomy Room, and for study at home, on their making a deposit of the proper fee.

2. Regional Anatomy.—*Tu. and Th.*, 2.30 p. m., and *W.*, 12 m.
 This part of the course will be given during the second year and will be devoted to the consideration of the cranial bones and of the Regional Anatomy of the body. Lectures will be illustrated by fresh dissections, plates, diagrams and models.

Text Books: Cameron: *Regional Anatomy*. Cameron: *Osteology & Arthrology*.

Practical Anatomy.

Special attention will be given to this branch. The dissecting room will be open daily, except Saturday, and will be under the direct supervision of the Professor of Anatomy, assisted by the Demonstrators, one or other of whom, in addition to the Professor, will be present during the hours while the class is in session every day, so that each student will be frequently examined and assisted during the progress of his dissections.

The course extends over two years, during which the student is required to have dissected each "part" at least once. Dental students must dissect the head and neck and one other part in each year.

A Tutorial Class in Osteology, for medical students of the first year, is held once a week.

Histology and Embryology.

Associate Professor.....Raymond J. Bean.
Instructor.....Elizabeth Smith Bean.

Embryology—*M.*, 9 a. m. and 2.30 p. m.

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 the intensive study of slides. The materials used include the frog, chick rabbit, pig and human.

*Dental students are not required to dissect the limbs.

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.

Organogenesis, the physiology of the embryo, and factors which underlie growth and differentiation are the particular aims of this course.

Dental students will be given special instruction on the growth and development of the teeth.

Histology.—*Tu. and Th., 2.30 p. m.*

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.

Students will be carefully trained in the principles of tissue differentiation, and frequent tests involving the identification of unknown slides and fresh preparations will constitute an important part of the work.

Dental students will be provided with both dried preparations and sections of decalcified teeth *in situ*, and will receive special instruction upon the microscopic structure of the teeth.

Structural Neurology.

Professor.....John Cameron.
Associate Professor.....R. J. Bean.

Part I. Gross Anatomy.

This course is intended primarily for medical students of the second year. It consists of a series of lectures and demonstrations by Prof. Cameron on the gross anatomy of the nervous system. The lectures, 15 in number, are illustrated by diagrams and fresh dissections. In addition, each student is required to make a complete dissection of the human brain and spinal cord, the laboratory work covering 25 hours.

Part II. Histology.

This portion of the course, also for students of the second year, consists of 12 lectures and 10 laboratory periods of 2 hours each. The lectures are illustrated by charts, diagrams and lantern slides. The laboratory work consists of a thorough study of the microscopic structure of the entire brain stem. The principal nerve tracts, fasciculi, nuclei, and fibre systems are studied with special reference to their functional importance.

II. Physiology.

Professor.....E. W. H. Cruickshank.
Assistant.....C. W. Startup.

1. Systematic Physiology. *First Year Lectures W. and S. 9 a. m. Laboratory. W. or S. 1.*

A course of lectures during the first year covering the physiology of muscle and nerve and an elementary course in the physiology of the heart and respiration.

2. Systematic Physiology.—*Second year. Lectures M. 11 a. m., Th., 9 a. m. Laboratory: F. 2.30 p. m., to 5.30 p. m.*

A course of lectures covering the physiology of heart and circulation, respiration, digestion and metabolism, kidney function, ductless glands, central nervous system and special senses.

3. Applied Physiology.—*Third year. Tu. 10 a. m. to 12 m.*
A course of lectures and applied mammalian and human physiology covering neurology, cardiology respiration and special senses.

Text books: Starling: *Essentials of human Physiology*; MacLeod: *Physiology and Biochemistry in Modern Medicine*; Fraser, Hartman, MacLeod, Olmsted: *Laboratory Manual and Physiology*; Sir Edward Sharper Schafer: *Experimental Physiology*.

III. Biochemistry.

Professor.....E. Gordon Young.
Demonstrator.....G. A. Grant.

1. Lectures.—*Th., 10 a. m. Laboratory: M., 10 a. m.*

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. Lectures.—*Tu., 10 a. m. Laboratory: S., 9 a. m.*

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.

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*.

3. Laboratory Diagnosis.—*Th., 3 p. m.*

A course of lectures and laboratory work given conjointly by the Departments of Biochemistry, Physiology and Pathology to third year students in the examination of sputum, stomach contents, faeces, blood, urine, exudates and transudates kidney and liver function, and in the use of the electrocardiograph, with reference to diagnosis.

Each student will be required to provide himself with a haemacytometer.

Text Book: Hutchinson and Rainy: *Clinical Methods*.

Reference Book: Webster: *Diagnostic Methods*.

IV. Pathology, Bacteriology and Parasitology.

Professor.....Ralph P. Smith.
Assistant Professor.....Robert A. H. MacKeen.
Technician and Demonstrator in Pathology and
Bacteriology.....Mary C. Stevenson.
Demonstrator in Pathology.....J. N. Lyons.

Pathology.

1. Lectures.—General Pathology.—Lecture and Laboratory. *Tu. or Th. 2.30 p. m. to 5.30 p. m.*

An introductory course on the principles of general pathology will be given to the second year students during the second term,

in which the following subjects will be considered: the causation of disease; the vital reactions of cells and tissues to irritants; inflammation, suppuration and repair; the infective granulomata.

A term examination will be given at the completion of the course.

2. General and Special Pathology.—Lectures: *M.* 4.30 p.m., *W.* 11 a. m., *Th.* 9 a. m., *F.* 3.30 p. m. **Laboratory:** *M.* 2.30 p. m.; *W.* 10 a. m.

A course of lectures to third year students during the first and second terms, dealing with the general principles of pathology, in which the following subjects will be considered: the causation of disease; the vital reactions of cells and tissues to irritants; inflammation, suppuration and repair; the pathology of infection; the infective granulomata; the pathology of nutrition, including degenerations and infiltrations; atrophy and necrosis; mechanical disturbances of the circulation; hyperaemia, acute and chronic; thrombosis; oedema; embolism and infarction; hypertrophy and neoplasia; blood diseases; diseases of the heart and vascular system, and other systems.

The lecture course will be illustrated by microscopical and lantern demonstrations. A short course on pathological conditions of the mouth will be given to Dental Students only. A written test is held at the end of the first term. The oral examination will be held at the completion of the course, the final written examination in the spring.

3. Morbid Anatomy and Post Mortem Examinations.

Demonstrations to students of the third year will be given at suitable times on Morbid Anatomy. Systematic instruction will be given on this important subject to students of the third and fourth years, two hours weekly, along with a systematic description of the pathology of the individual tissues and organs.

The students of the third, fourth and fifth years are required to attend and assist at all autopsies. They will receive instruction in the proper conduct of the same, and will be expected to prepare and mount all tissues removed at autopsy for purposes of diagnosis, and report on them.

4. Clinico-Pathological Conferences.

As opportunity arises, conferences will be held in room 18 of the Pathological Institute, conducted by the clinicians and pathologists. Interesting and instructive cases will be presented, special attention being given to the course and development of the disease, the clinical diagnosis, and the final pathological findings. Students of the fourth and fifth years are expected to attend and take part in the discussions.

Bacteriology.

1. Lectures.—*M., Tu., and F.,* 9 a. m. (*First term*). *M. and F.,* 9 a. m. (*Second term*). **Laboratory Work.**—*Tu. and F.,* 10 a. m. (*First term*). *F.,* 10 a. m. (*Second term*).

A course of lectures to second year students during the first and second terms. The nature of bacteria, their morphology, staining reactions, and mode of growth will be discussed, as well as re-

gular instruction given on their relationship to infective processes. Immunity and immunity reactions will also be considered in a specially planned short course. A short course of lectures on bacteriology of the oral cavity will be given to Dental Students only. The lecture course will be illustrated by lantern demonstrations. A written test is conducted at the end of the first term. A written and an oral examination will be held in the spring. A short course will be provided also in immunology (for medical students only).

Parasitology.

About twenty lectures and demonstrations are given during the second term at the close of the regular course in Bacteriology, to students of the second year in Medicine. This course is elementary and only intended to be a basis for a clearer understanding of the more important diseases due to protozoon and metazoon parasites.

Text Books: In Pathology: Muir, Karsner, Boyd, McCallum. In Bacteriology: Muir and Ritchie, or Jordan. In Practical Bacteriology: Mackie and McCartney. In Parasitology: Chandler. In Clinical Diagnosis: Todd and Sanford.

V. Pharmacology.

Professor.....O. S. Gibbs.
Lecturer in *Materia Medica*.....G. A. Burbidge.

Pharmacology.

Lectures.—*M., F., and S.* at 9 a. m. **Laboratory.**—*F.*, 3 p. m.

This course consists of a systematic study of the actions of drugs on animals and man. Attention is chiefly directed to those substances of therapeutic or general scientific interest. Questions are encouraged, and questioning is practised largely during the lecture periods.

The more important actions are illustrated by means of experiments and demonstrations.

During the last months of the session special attention is devoted to prescription writing, emphasis being laid not only on the pharmacological action, but also on the methods of administering drugs.

Efforts are especially directed in this course to forming a good basis of practical and theoretical knowledge, from which a sound and rational therapeutic use of drugs may be derived.

Text Book: Cushny: *Pharmacology and Therapeutics*.
Reference Books: Sollman: *Pharmacology*, also Laboratory Guide. Jackson: *Experimental Pharmacology*. *Brit. Pharm. and U. S. P.* Martindale and Westcott: *Extra Pharmacopoeia*. A. M. A.: *New and Non-Official Remedies*.

Practical Materia Medica.

1. Practical.—*S.*, 10 a. m.

This course, given in the second year, aims to provide an elementary knowledge of prescriptions and dispensing. The following are discussed: weights and measures; simple pharmaceutical processes; classification and definition of Galenical preparations; nomenclature; composition and doses of a selected list of typical preparations; elementary dispensing procedure; pharmaceutical classification of medicinal principles of plants; common chemical and pharmaceutical incompatibilities. Frequent practice is given in

copying and reading prescriptions. So far as possible, instruction is imparted by means of practical laboratory exercises.

Text Books: *M. C. P. Junior Pharmacy Notes.*

Reference Books: Scoville: *Art of Compounding.* *British Pharmacopoeia.* *U. S. Pharmacopoeia.* *Canadian Formulary.*

VI. Surgery.

Professors. E. V. Hogan (*Head of Department*), John Stewart
H. K. MacDonald, J. G. MacDougall,
G. H. Murphy.

Assistant Professor. W. Alan Curry.

Lecture Courses.

1. A course of lectures, two hours per week, on the general principles of Surgery, to be 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, to be given during the fourth year.

Text Books: Rose and Carless, Thomson and Miles.

3. **Surgical and Applied Anatomy, and Operative Surgery.**

This course, for students of the final year, will comprise lectures and demonstrations illustrative of the application of anatomy to clinical work, and also a series of operations on the cadaver to be performed by the students under the supervision of the instructor.

VII. Clinical Surgery.

Professors. . E. V. Hogan (*Head of Department*), H. K. MacDonald,
J. G. MacDougall, G. H. Murphy.

Assistant Professors. Frank G. Mack, W. Alan Curry.

Demonstrators. L. Thomas, J. F. Lessel, W. L. Muir, P. Weatherbe,
M. G. Burris, D. J. MacDonald, J. N. Lyons, T. B. Acker, Judson V. Graham, Victor O. Mader, N. H. Gosse, C. E. Kinley, H. D. O'Brien.

Clinical Surgery.—A short course introductory to Clinical Surgery will be given to second year students by Dr. Murphy.

In addition to lectures on cases at the Hospitals and Health Centre, students of the fourth and fifth years are individually trained at the bedside in diagnosis and treatment. Students of the fourth and fifth years receive clinical lectures three days a week.

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.

VIII. Medicine.

Professor..... K. A. MacKenzie.
 Assistant Professor..... J. R. Corston.
 Lecturers..... S. R. Johnston, T. M. Sieniewicz, J. L. Churchill.

1. A course of lectures and recitations, two hours per week, in which diseases of the digestive, circulatory and respiratory systems blood and ductless glands and diabetes will be discussed in the third year.

2. A course of lectures and recitations, two hours per week, in which infectious and constitutional diseases and those affecting the kidneys and the nervous system, will be taken up in the fourth year.

Text Books. Medicine: *Principles and Practice of Medicine*, Osler and Macrae; *A text book of Medicine*, J. J. Connybeare.

Reference Books. *Modern Medicine*, Osler; *Practice of Medicine*, Tice; *Text Book of Medicine*, Cecil; *Diseases of the heart*, Cowan and Ritchie; *Diseases of nervous system*, Campöell Thompson; *Nervous and mental diseases*, Church and Peterson; *Diseases of the digestive system*, Cohnheim.

IX. Clinical Medicine.

Professor..... K. A. MacKenzie.
 Assistant Professor..... M. J. Carney.
 Lecturers..... F. G. Mack, S. R. Johnston, T. M. Sieniewicz,
 L. M. Silver.

Demonstrators..... J. R. Corston, J. L. Churchill, G. B. Wiswell,
 J. G. D. Campbell, Judson V. Graham,
 J. Rankine, C. W. Holland, J. W. Merritt.

Clinical Medicine.—A short course introductory to Clinical Medicine will be given to second year students.

Clinical lectures and instruction will be given to the students of the last two years at the Hospitals and Health Centre at least three days a week throughout the session. Students will be called upon in rotation to examine cases.

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 complete histories of at least fifteen medical cases.

Practical Medicine.—Practical instruction in the methods of examining patients will be given to the students of the second and third years, by Doctors MacKenzie, Johnston, Marshall and Sieniewicz. Radiology and Electrocardiography are included in this course. The class will be divided into groups for instruction purposes.

Text Books. Clinical Medicine: *Clinical Methods*, Hutchinson and Rainey; *Differential Diagnosis*, Cabot; *Bedside Diagnosis*, Blumer; *Diagnosis of Diseases of the nervous system*, Purvis Stewart; *Medical Diagnosis*, Anders and Boston, *Clinical Diagnosis*, Todd and Sanford; *Diagnosis of Disease*, H. A. Hare.

Students of the final year each week during the session, on Wed-

X. Obstetrics and Gynaecology.

<i>Professor of Obstetrics and Gynaecology (Head of Department)</i>	H. B. Atlee.
<i>Professor of Obstetrics</i>	E. K. Maclellan.
<i>Associate Professor of Obstetrics</i>	W. B. Almon.
<i>Demonstrators of Practical Obstetrics</i>	P. A. Macdonald (<i>Chief of Clinic</i>), E. K. Maclellan, H. B. Atlee, W. G. Colwell.

Obstetrics.—In the third and fourth year of the course two two lectures are given each week. These lectures are illustrated by diagrams, lantern slides and models.

In the final year the student attends the Grace Maternity Hospital and is given an opportunity of seeing all the work in the Hospital, and assisting in the management of cases. Clinical instruction is given at the Grace Maternity Hospital and at the Health Centre in the examination of patients, diagnosis of pregnancy, prenatal care, etc.

Students who have had sufficient experience at the maternity hospital, and who have shown themselves competent, will be attached in rotation to the "obstetrical unit" for attendance upon obstetrical patients at their homes.

Gynaecology.—In the third and fourth year of the course two lectures are given each week, in which the various conditions are considered in detail and diagnosis and treatment fully discussed. Clinical instruction is given at the Victoria General Hospital, where the students are taught, in groups, in case taking, the examination of patients, the use of instruments and the conduct of operations.

In the final year, clinical instruction in the examination and diagnosis of gynaecological cases is given to small groups of students. Each student is required to act as clinical clerk to the cases assigned him, to be present at any operation required, and to follow the after-treatment. Operations will be performed on stated days, and at these the members of the clinic may be present.

Text Books: *Obstetrics*: Williams: *Obstetrics*. Eden: *Manual of Midwifery*. Gynaecology: Eden and Lockyer: *Gynaecology for Students and Practitioners*. Anspach: *Gynecology*.

XI. Medical Jurisprudence.

Lecturers..... Frank V. Woodbury, O. S. Gibbs.

This course will embrace a consideration of the procedure to be followed in the identification of the dead, the medico-legal examination of the dead body, the determination of the cause of death, special features associated with death by violence, the medico-legal aspects of pregnancy, delivery, abortion, infanticide, etc., medical malpractice; mental capacity in relation to criminal responsibility, contracts and wills; federal and provincial laws which concern the physician; and, generally, matters in which the courts are likely to require medical opinion. The instruction in toxicology will be given by Professor Gibbs, and the class will be taken in groups for autopsies in medico-legal cases by Dr. Woodbury.

Text Book: Brend: *Handbook of Medical Jurisprudence and Toxicology*.

XII. Therapeutics.

Clinical therapeutics will be 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.

Text Book: Rudolt: *Medical Treatment of Disease*. Reference Books: Cus h-ny: *Pharmacology and Therapeutics*: Hare: *Practical Therapeutics*.

XIII. Hygiene and Public Health.

Professor W. H. Hattie.
As sistant Maude H. Hall.
Lecturer W. D. Forrest.

In the third year there will be given a course of lectures and demonstrations, designed to give a comprehensive view of the field of hygiene and public health. Particular attention will be given to such matters as the laws governing public health administration, methods in preventive medicine, epidemiology, quarantine and disinfection, water supplies, air and ventilation, housing problems, sewage and refuse disposal, food, vital statistics, and various special phases of public health work. Advantage will be taken of the opportunity of studying the operation of plants for water filtration, water chlorination, milk pasteurization, heating and ventilation of public buildings, etc., and the general management of public health clinics.

Students of the fourth year will be required to investigate, under competent direction, the effect of domiciliary and occupational conditions on the causation, progress and prognosis of the illness of a limited number of out-patients of the Health Centre. Full reports of such investigations will be required.

Text Books: Hope and Stallybrass: *Text Book of Public Health*. Alternative: Parkes and Kenwood: *Hygiene and Public Health*. Lelan: *Sanitation in War*.

XIV. Skin Diseases.

Assistant Professor Frank G. Mack.

Dermatology and Syphilology.—This course will consist of clinical lectures, at least fifteen in number to be given at the Victoria General Hospital; and weekly clinics at the Health Centre. This is given to students of the fourth year.

Text Books. *An Introduction to Dermatology*, Walker; *Syphilis*, Hazen.

Urology.—This course, given to students of the fourth year, will consist of about fifteen clinical lectures and demonstrations to be given at the Victoria General Hospital; and weekly clinics at the Health Centre.

Text Book. *Urology*, Eisendrath and Rolnick.

XV. 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.

Didactic and clinical instruction in these subjects will be given to students of the final year each week during the session, on Wed-

nesdays, at 4 p. m., at the Victoria General Hospital, and at the Children's Hospital. Clinical instruction will also be given at the Health Centre.

Text Books: May: *Diseases of the Eye*. Hepburn: *The Eye*. Turner: *Diseases of the Nose, Throat and Ear*. Hunter Tod (revised by Cathcart): *Diseases of the Ear*. Coakley: *Nose and Throat*.

XVI. Mental Diseases and Psychiatry.

Professor.....W. H. Hattie.
Demonstrator.....F. E. Lawlor.

A course of twenty didactic lectures dealing with the principal forms of mental disease will be given to fourth year students, supplemented by clinical instruction by Dr. Lawlor at the Nova Scotia Hospital.

Text Book: Cole: *Mental Diseases*. Alternatives: Stoddart: *Mind and its Disorders*. Craig: *Psychological Medicine*.

XVII. Paediatrics.

Assistant Professor.....M. J. Carney.
Demonstrator.....G. B. Wiswell.

This course will consist of weekly didactic lectures to students of the final year. In addition, clinical lectures illustrative of disease in children will be given by members of the staffs of the Victoria General Hospital, the Children's Hospital, the Infectious Diseases Hospital, the Infants' Home and the Health Centre.

Text Books: Still: *Common Disorders and Diseases of Children*. Holt: *Diseases of Infancy and Childhood*. Freer: *The Diagnosis of Children's Diseases*. Morse: *Clinical Paediatrics*. Brown and Tisdall: *Common Procedures in the Practice of Paediatrics*.

XVIII. Vaccination.

The student will receive instruction in this subject at the Health Centre and other institutions. He will be required to perform the operation and note results so as to obtain a certificate of proficiency.

XIX. Medical History and Medical Ethics.

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.

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 prominent practitioners in active dental practice with several years 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. Recently 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, who are as follows:

For Nova Scotia: Dr. C. B. Climo, Halifax, N. S.

For New Brunswick: Dr. F. A. Godsoe, St. John, N. B.

For Prince Edward Island: Dr. J. H. Ayers, Charlottetown, P. E. I.

For Newfoundland: Dr. T. P. Smith, St. John's, Newfoundland.

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 except Quebec, and the States of New York and Massachusetts.

*For information address Dr. W. D. Cowan, Secretary of the Dominion Dental Council, Regina, Sask.

General University Regulations.

University regulations applicable to the students of all Faculties and relating to residence, church attendance, discipline, etc., will be found on page 17.

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 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 1929-30 will begin on Tuesday, Sept. 10th, 1929, and end on Tuesday, May 13th, 1930.

No students will be admitted after noon of Saturday, Sept. 14th.

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:

First Year. (*New Course*)

Anatomy 1 and Practical Anatomy, Histology, Embryology, Dental and Comparative Dental Anatomy, Drawing and Modelling, Preventive Dentistry, Biochemistry 1, Physiology I, Metalcraft.

Second Year. (*Old Course*).

Prosthetic and Operative Dentistry, Biochemistry 1, Operative Technic, Materia Medica, Anatomy 2, Physiology 1, Bacteriology 1, Preventive Dentistry, Exodontia, Metallurgy.

Third Year. (*Old Course*).

Surgery 1, Operative and Prosthetic Dentistry, Orthodontia, Preventive Dentistry, Crown and Bridge Work, Radiology, Pathology 1, Dental Pathology and Therapeutics, Dental Infirmery Hospital.

Fourth Year. (*Old Course*).

Operative Dentistry, Prosthetic Dentistry, Oral Surgery, Anaesthetics and Physical Diagnosis, History, Jurisprudence, Ethics and Economics, Crown and Bridge Work and Ceramics, Preventive Dentistry, Orthodontia, Dental Infirmery Hospital.

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:

*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 Professional Examination. (*New Course*).

One paper in each of the following subjects: Embryology, Dental and Comparative Dental Anatomy, Preventive Dentistry; one paper and a practical examination in Histology and Drawing and Modelling; one paper and an oral examination in Anatomy, one paper and an oral and a practical examination in Physiology 1, and Biochemistry 1.

Second Professional Examination. (*Old Course*).

One paper in each of the following: Prosthetic Dentistry, Operative Dentistry, Materia Medica, Preventive Dentistry, Exodontia, Metallurgy, and one paper and an oral examination in Anatomy and in Bacteriology, one paper and an oral and a practical examination in Biochemistry and Physiology.

Third Professional Examination. (*Old Course*).

One paper in each of the following: Surgery, Operative Dentistry, Prosthetic Dentistry, Dental Pathology and Therapeutics, Radiology, Orthodontia, Crown and Bridge Work, Preventive Dentistry; 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, Preventive Dentistry.

One paper and an oral examination in each of the following: Operative Dentistry, Prosthetic Dentistry, Crown and Bridge Work and Ceramics, Orthodontia, Oral Surgery, Anaesthetics and Physical Diagnosis.

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 40 per cent. in Chemistry; in all other subjects a minimum of 50 per cent. is required.

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; the Distinctions 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.192..

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. 126).

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 on the whole four years of his course.

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, offered by Mr.

Charles Bell; similar prizes in the case of the Second Professional examination, offered by Mr. E. A. Bell.

The Nova Scotia Dental Association 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 Third Professional examination, provided the required standard is reached.

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.

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.	200.00
This includes registration, tuition, hospital, laboratories and the regular sessional Examinations.	

For Examination.

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
Diploma, extra when conferred <i>in absentia</i>	5.00

See pages 20 and 21 for

Caution Deposit.

Laboratory Deposits.

Fee for Support of Student Organizations.

Students' Loan Fund.

COURSES OF INSTRUCTION.

For the details of classes in—

**Anatomy, and Histology and Embryology,
Physiology,
Biochemistry,
Pathology and Bacteriology,
Surgery.**

See *pp.* 109 *et seq.*

Drawing and Modelling.

Lecturer.....Margaret Brodie.

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 professional year.

Metalcraft.

During the first professional year a course in this subject will be given by an experienced metalcraft teacher. It 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.

Lecturer.....S G. Ritchie

Dental Anatomy.—This course includes a study of the contents of the buccal cavity from a dental standpoint. The forms of the teeth, the process of calcification, eruption and absorption.

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 organ 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. W. G. Dawson.

This course consists of a series of lectures and demonstrations, part of which is given in each of the four years. It is designed to emphasize the more generally accepted theories of the etiology of abnormal oral conditions and to indicate a rational procedure to foster, as far as may be, a condition of immunity in the oral tissues. 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. It will proceed through the processes involved in Operative Technic to a study of the whole subject of Operative Dentistry. The course will be thoroughly illustrated and demonstrated in the Technic Laboratory and Infirmary.

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: Black.
 Reference Books: Ward, Marshall, Johnson, Evangeline Jordan.

Dental Pathology and Therapeutics.

Professor A. W. Cogswell.

The course is designed to provide a proper knowledge of Dental Pathology and Therapeutics. 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.

The course of instruction will proceed from a discussion of normal conditions to the various derangements of alignment of the teeth, the abnormalities of the dental arch and deformities of the face, and interference with mastication. The methods and appliances adopted to correct or ameliorate these conditions will be practically applied.

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 Book: Winter.

Reference Books: Smith, Thoma, Hewitt & Ford.

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.

Professor..... S. G. Ritchie.

Associate Professor..... J. S. Bagnall.

Lecturer..... C. B. Climo.

This course continues throughout the last three years. The instruction is didactic and practical. The teaching and Laboratory Technic are designed to impart a working knowledge of all that appertains to Dental Prosthesis. Technic will be carried along in proper sequence, and at the earliest possible moment students will be required to construct dental appliances of various kinds for patients in the Infirmary.

Text Book: *American Text Book of Prosthetic Dentistry*, Kennedy.

Reference Books: Prothero, Wilson, Campbell.

Crown and Bridge Work, and Ceramics.

Professor.....W. C. Oxner.
Lecturer.....A. W. Faulkner.

This subject will be presented by lectures, demonstrations and laboratory experiments. It will continue throughout the last two years, with Infirmary practice.

Gold and Porcelain, Crown, Bridge and Inlay Construction, including casting methods, will receive proper attention. The latest types of electric furnace and casting machines are provided for the use of the students. Students who may desire to use their own electrical furnaces will be supplied with electric connections.

Text Book: Goslee.
 Reference Books: *Crown & Bridge*, Evans, Peeso. *Ceramics*: Legro-Capon, Hovestad.

Metallurgy.

Lecturer.....J. S. Bagnall.
Demonstrator.....G. M. Logan.

A course of lectures, during the second year, on alloys, with special reference to the alloys used in dentistry, soldering and casting processes. A series of laboratory demonstrations in working and soldering metals.

Reference Books: Dresch, Gibson, Hodgen, Essig.

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—O. R. Crowell; *1st Vice-President*—Dr. E. K. Maclellan; *2nd. Vice-President*—George Farquhar; *Secretary-Treasurer*—J. G. Godsoe; *Executive*—Dr. H. B. Atlee; C. P. Bethune; R. M. Fielding; R. E. Inglis; Donald MacInnes.

THE ALUMNAE ASSOCIATION.

Honorary President—Dr. Eliza Ritchie; *President*—Mrs. F. H. Pond; *1st. Vice-President*—Mrs. C. W. MacAloney; *2nd. Vice-President*—Mrs. H. R. Chipman; *Corresponding Secretary*—Mrs. H. L. Bronson; *Recording Secretary*—Miss Jane Graham; *Treasurer*—Mrs. Earle Giffin; *Executive*—Mrs. M. Macneill; Mrs. F. H. M. Jones; Miss Louise Clayton; Miss Eveleen L. Burns; Miss Lois Creighton.

Council of the Students of the University.

President—F. C. Jennings; *Vice-President*—Frances B. Elkin; *Secretary-Treasurer*—T. A. Goudge; *Executive*—C. C. Miller; G. S. Mahon; B. Guss.

The Sodales Debating Club.

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

President—E. M. F. Howse; *Vice-President*—Helen G. Williams; *Secretary-Treasurer*—R. G. Harris.

The Dalhousie Gazette.

The Dalhousie Gazette is published by the students of the University under the authority of the Council.

Editor—G. K. Macintosh; *Business Manager*—S. W. Archibald.

Dalhousie Amateur Athletic Club.

President—G. C. Macleod; *Vice-President*—H. J. Davidson; *Secretary*—Ian M. Fraser.

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 intercollege conferences and visits from foreign representatives, it is endeavoring to create a national and international student consciousness.

President—G. C. Whiteley; *Vice-President*—J. Isabel Matheson; *Secretary-Treasurer*—R. D. Baird; *Cabinet*—A. D. Gibbon; K. D. Parker; C. W. Clarke.

Dalhousie Glee and Dramatic Society.

President—W. C. MacKenzie; *Vice-President*—R. A. Donahoe; *Secretary*—Margaret P. Mackie.

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—Lillian A. Barnstead; *1st Vice-President*—Frances B. Elkin; *2nd Vice-President*—Pauline A. Miller; *Secretary-Treasurer*—Mary E. Crocker; *Manager Basketball*—M. Gwendolyn Curry; *Manager Ground Hockey*—Helen G. F. Hamilton; *Manager Track*—G. Isabel Wood; *Manager Ice Hockey*—Mildred I. Grant; *Manager Badminton*—Muriel A. Langstroth.

Dalhousie Engineering Society.

Honorary President—Professor W. P. Copp; *President*—G. L. Colpitts; *Vice-President*—J. W. Fisher; *Secretary-Treasurer*—P. C. Hamilton; *Executive*—F. S. MacKay; R. S. Miller.

Newman Club.

President—Leonard Farmer; *Vice-President*—M. Joan Sweeney; *Secretary-Treasurer*—R. A. Donahoe.

Commerce Society.

President—A. G. Cooper; *Vice-President*—Mildred I. Grant; *Secretary-Treasurer*—S. W. Archibald.

Law Students' Society.

President—J. H. MacDonald; *Vice-President*—L. May R. Blandford; *Secretary-Treasurer*—R. F. McCunn.

Medical Students' Society.

President—F. C. Jennings; *Vice-President*—Dr. C. M. MacKenzie; *Secretary*—Leonard Farmer; *Treasurer*—E. F. Ross.

Dental Students' Society.

Honorary President—Dr. W. C. Oxner; *President*—G. C. Macleod; *Vice-President*—O. C. Taylor; *Secretary-Treasurer*—G. B. Irwin.

Dalhousie Rifle Association.

Captain—P. E. Sullivan; *Secretary-Treasurer*—J. E. Andrew.

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*—A. Zive; *Vice-President*—D. G. Grant; *Secretary-Treasurer*—Mildred W. Samson.

Dalhousie Chemistry Club.

This club was formed during the past session for the purpose of affording students of Chemistry an opportunity to become better acquainted with current work in that subject. Monthly meetings will be held at which students will read papers which should prove of general interest to the chemist in his work. It is planned also to hold a series of monthly lectures by various speakers on topics related to Chemistry. Membership is restricted to those students who intend to make the study of Chemistry their profession.

Honorary President—Dr. Douglas McIntosh; *President*—W. F. Hampton; *Vice-President*—J. Isabel Matheson; *Secretary*—A. A. Cumming; *Treasurer*—W. W. Stewart; *Executive Member*—D. J. Kennedy.

Class 1929 Arts (Life Members).

President—F. F. Musgrave; *Vice-President*—Edith K. Barnaby; *Secretary*—Margaret E. Ellis; *Treasurer*—F. S. Smith.

Class 1930 Arts.

President—D. M. Scott; *Vice-President*—Margaret P. Mackie; *Secretary*—J. Isabel Matheson; *Treasurer*—G. L. Covert.

Class 1931 Arts.

President—Ian M. Fraser; *Vice-President*—Doris G. Margeon; *Secretary-Treasurer*—W. H. Jost.

Class 1932 Arts.

President—K. W. Mahen; *Vice-President*—Margaret S. White; *Secretary*—Esther E. Elliot; *Treasurer*—F. J. Mahar.

University Lists.

DEGREES CONFERRED SESSION 1928-29.

Convocation May 14, 1929.

*^c—Degree conferred during the session.

**—In absentia.

Honorary Degree of Doctor of Laws.

- *Walter William Chipman, B. A., M. D.,
LL. D., F. R. C. S., F. A. C. S., Montreal, Que.
Henry Martyn Mackay, B. A., B. Sc. Montreal, P. Q.
*Finlay MacMillan, M. D., C. M. Sheet Harbour, Hfx. Co.
*Alexander Primrose, C. B., M. B., C. M.,
F. R. C. S. Toronto, Ont.
George David Stewart, M. D., LL. D.,
F. A. C. S. New York, N. Y., U. S. A.

Master of Arts.

- Frame, Elizabeth Graham Brookfield, Col. Co.
Fulton, Mary Louise Upper Stewiacke, Col. Co.
*Grant, Gordon MacGregor Halifax.
Marshall, Mary Bell Digby.
Neilson, George Lester Dartmouth.
Woodworth, Ruth Edwina Kentville, King's Co.

Master of Science.

- Grant, Gordon Allison Yarmouth.
Morton, John MacLeod Halifax.

Bachelor of Arts.

- Abram, Sophie Amherst, Cumb. Co.
Anderson, Thomas Robert Benjamin
(King's) Lunenburg.
Andrew, Geoffrey Clement (King's) . Pictou.
*Archibald, John Douglas Newtown, Guys. Co.
Barnaby, Edith Kiens Bridgewater, Lun. Co.
Boyyer, Jack MacLeod Crapaud, P. E. I.
Buckler, Ernest Redmond Dalhousie West, Ann. Co.
Budd, John Henry Halifax.
Cameron, Eileen Almyra New Glasgow, Pic. Co.
Cameron, Marion Frame Halifax.
Campbell, George Graham Stewiacke, Col. Co.
Chant, Louise Madge Greenspond, Nfld.
Colpitts, Mary Elizabeth Sussex, N. B.
Cornwall, Annie Ruth Hantsport, Hants Co.
Crouse, George Herbert Crousetown, Lun. Co.
Curtis, Elsie Elizabeth Halifax.
Dauphinee, Marion Beulah (King's) . Bridgewater, Lun. Co.
DeMone, Jean Louise Halifax.
Douglas, James Clyde Halifax.
Duchemin, Lloyd Allison Sydney, C. B. Co.
Dunsworth, Mary Marjorie Halifax.

- Ells, Margaret Elizabeth..... Canning, King's Co.
 Falconer, Mary Douglas..... Halifax.
 Field, Olive Florence..... St. John's, Nfld.
 *Foley, Thomas Michael..... Halifax.
 Gladwin, Jessie Louise..... Bermuda, B. W. I.
 Hannon, Leonard Brenton (King's) Halifax.
 Hebb, Amy Elizabeth (King's).... Bridgewater, Lun. Co.
 Hennessey, Graham Putnam..... Highland Village, Col. Co.
 Higgins, Albert Irving..... Brookfield, Col. Co.
 Howse, Ernest Marshall Frazer.... Bay Roberts, Nfld.
 Lamb, Charles..... Halifax.
 Macaulay, Juanita Aileen..... Halifax.
 MacFarlane, Constance Ida..... Charlottetown, P. E. I.
 MacKay, Alexander Miller..... New Glasgow, Pic. Co.
 MacKinnon, Margaret Elsie..... Sydney, C. B. Co.
 MacLaggan, Marjorie Florence.... New Glasgow, Pic. Co.
 MacLean, Anna Jean..... New Glasgow, Pic. Co.
 MacLennan, Edna Agnes Electa . Brookfield, Col. Co.
 **MacMillan, Gordon Eugene.... Albany Plains, P. E. I.
 MacMillan, Robert Alexander.... Dalhousie, N. B.
 Miller, Kathleen..... Sydney, C. B. Co.
 Milne, Annie Joyce..... Dartmouth.
 Morton, Ralph Sedley..... Halifax.
 Muschamp, Percy Lawrence Herbert Leicester, England.
 Musgrave, Forrest Fairbrother.... Halifax.
 Nickerson, Mildred Gordon..... Lower Sackville, Hfx. Co.
 Page, Alice Madeleine..... Halifax.
 Parker, Frederick Thomas..... Halifax.
 Pottie, Isidore..... Halifax.
 **Pringle, Gordon Campbell..... Kincardine, N. B.
 Rudderham, James Franklin (Kings) Sydney, C. B. Co.
 Sedgwick, Thomas Clark..... New Glasgow, Pic. Co.
 Sexton, Helen Randolph..... Halifax.
 **Sister Ann Catherine..... Rockingham, Hfx. Co.
 **Sister Louise Florence..... Rockingham, Hfx. Co.
 **Sister Margaret Thérèse..... Rockingham, Hfx. Co.
 *Smith, Elizabeth Grace..... Merigomish, Pic. Co.
 Sparkes, Alice Mary..... St. John's, Nfld.
 Stables, Margaret Isabel..... Newcastle, N. B.
 *Stirling, Lilla May Elderkin..... Pictou.
 Sullivan, Dorcas May..... Sydney, C. B. Co.
 Torrey, Elizabeth Letitia..... Guysboro.
 Underhay, Fulton Craswell..... Bay Fortune, P. E. I.
 VanAmburg, Hilda Muriel..... Central Argyle, Yar. Co.
 Webber, Thomas Rosborough..... Ship Harbour Lake, Hfx. Co.
 Webster, Morley MacWilliam..... Halifax.
 Williamson, Hazel Jean..... Yarmouth North, Yar. Co.
 Wright, George William..... Halifax.
 Zwicker, Wilfred Grenfell..... Bridgewater, Lun. Co.

Bachelor of Science.

- Barnaby, Harry Cogswell..... Bridgewater, Lun. Co.
 Butler, Muriel Anne..... St. John's, Nfld.
 Clough, Oliver Wendell..... Inverness.
 McDonald, John Winston..... Balmoral Mills, Col. Co.
 McIntosh, Charles Gordon..... Bedford, Hfx. Co.

McKay, Robert Donald.....Yarmouth.
 MacKenzie, Walter Campbell.....Baddeck, Vic. Co.
 McLellan, Fredrick Clair.....Tatamagouche, Col. Co.
 Mellish, Harold.....Montague, P. E. I.
 Morton, James Gordon Forbes.....Saint John, N. B.
 Patten, Howard.....Grand Bank, Nfld.
 Power, John Joseph.....Halifax.
 Rusted, Nigei Francis Scarth.....Carbonear, Nfld.
 **Wilson, Laurence Ingraham.....New York, N. Y., U. S. A.
 Winfield, Gordon Abbott.....Halifax.

Bachelor of Commerce.

Harris, Karl Balfour Bentley.....Barton, Dig. Co.
 Harrison, James Alden.....Cambridge, Mass., U. S. A.
 Jacobson, Samuel Simon.....St. John, N. B.
 McLaughlin, Glenn Haywood.....Grand Manan, N. B.
 Matheson, Rand Hector.....Sydney, C. B. Co.
 Munro, Andrew Thompson.....Westville, Pic. Co.
 Rankin, Murray MacGregor.....Halifax.
 Smith, Fletcher Shuttleworth.....Halifax.

Bachelor of Laws.

Coffin, Thomas Herbert, B. A.....Halifax.
 Connolly, Joseph Patrick.....Halifax.
 Covert, Frank Manning, B. A.....Dartmouth.
 Feaver, Herbert Frederick Brooks-
 Hill, B. A.....Chester, Lun. Co.
 Gavsie, Charles, B. A.....Sydney, C. B. Co.
 Kelloway, Berkley Maxse.....Perry's Cove, Nfld.
 Livingstone, William Angus.....Annapolis Royal Ann. Co.
 Macdonald, Alexander, B. A., (St.
 F. X.).....Port Hood, Inv. Co.
 Macintyre, John Donald.....Antigonish.
 McKinnon, Alexander Hugh, B. A.,
 (St. F. X.).....Inverness.
 MacLellan, Duncan, B. A., (St. F. X.) Judique, Inv. Co.
 Macleod, Roderick Henry, B. A.....New Glasgow, Pic. Co.
 MacQuarrie, John Thomas, B. Com. Westville, Pic. Co.
 Mahoney, John Francis.....Halifax.
 **Ross, George William.....Saint John, N. B.
 Shaw, John Fraser, B. A.....Halifax.
 Turnbull, Hugh Hatheway, B. A.....Rothesay, N. B.
 Wickwire, William Nathan, B. A.....Kentville, King's Co.

Doctor of Medicine and Master of Surgery.

Allen, Irene Viola, B. A.....Summerside, P. E. I.
 Barnaby, Harry Cogswell.....Bridgewater, Lun. Co.
 Browne, Carman Crawford.....Dartmouth.
 Cavanagh, Charles Stewart.....Cambridge, Mass.
 Fraser, Hugh Artworth, B. A.....Halifax.
 Grant, Kenneth Milfred.....Glace Bay, C. B. Co.
 Harlow, Ralph Roland.....Bridgetown, Ann. Co.
 Kirkpatrick, Thomas Alexander.....Wirral, N. B.
 Macdonald, Douglas Fraser.....New Glasgow, Pic. Co.

MacKenzie, Charles MacLellan, D.
 M. D., (Harv.)..... Halifax.
 Macpherson, Lachlan..... St. John's, Nfld.
 Murray, Anna Isabel..... Hillsboro, Inv. Co.
 Oxley, Philip Lloyd..... Halifax.
 White, Clifford Paul..... Chicago, Illinois, U. S. A.
 Whittier, Marie Jean..... Upper Rawdon, Hants Co.
 Winfield, Gordon Abbott..... Halifax.

Doctor of Dental Surgery.

Buffett, Lawrence Llewelyn..... Sydney, C. B. Co.
 Cragg, Thomas Edwin..... Dalhousie, N. B.
 Hill, Douglas John..... Halifax.
 MacLean, John David..... Springville, Pic. Co.
 Miller, Frank Lewis..... Sydney, C. B. Co.
 Oidfield, Stuart King..... St. John's, Nfld.
 Sullivan, Charles Archibald..... Sydney, C. B. Co.

Licentiate of Music.

Giannou, Penelope Christon..... Halifax.

Diploma of Engineering.

Akin, Thomas Bernard..... Windsor, Hants Co.
 **Coffey, Lawrence Edward..... Moncton, N. B.
 **Dechman, Walter Fairchild..... Bridgetown, Ann. Co.
 Ferguson, Allan Andrew..... Pictou.
 Lang, John Taylor..... Halifax.
 Ley, Albert Gordon..... Louisburg, C. B. Co.
 McDonald, John Winston..... Balmoral Mills, Col. Co.
 *McKay, Robert Donald..... Yarmouth.
 Morton, James Gordon Forbes..... Saint John, N. B.
 *Mahon, Albert Gordon..... Halifax.
 Power, John Joseph..... Halifax.
 **Ritchie, Kenneth Schaffner..... Halifax.
 Tanner, Charles James..... East Dover, Hfx. Co.

Diploma of Pharmacy.

**Alexander, Sydney Gordon..... Campbellton, N. B.
 Nickerson, Frederick Albert..... Dartmouth.
 Patten, Howard..... Grand Bank, Nfld.

HONOURS, PRIZES AND MEDALS.**Diplomas of Honour.**

Biology—High Honours..... Constance Ida MacFarlane.
History and Political Science—High Honours..... George Herbert Crouse.
English and History—Honours..... Margaret Elizabeth Eills.
Chemistry—Honours..... Forrest Fairbrother Musgrave.
Jurisprudence—High Honours..... Frank Manning Covert.
Jurisprudence—High Honours..... Charles Gavsie.
Jurisprudence—High Honours..... Duncan MacLellan.
Jurisprudence—Honours..... Thomas Herbert Coffin.
Jurisprudence—Honours..... Herbert Frederick Brooks-Hill Feaver.

Diplomas of Distinction.

Great Distinction—Ernest Redmond Buckler, Fulton Craswell Underhay, Alice Madeleine Page, Sophie Abram, Mildred Gordon Nickerson, Elizabeth Letitia Torrey, Mary Elizabeth Colpitts.

Distinction—Marion Beulah Dauphinee, Isidore Pottie, Mary Douglas Falconer.

Graduation Prizes and Medals.

Governor-General's Gold Medal.....Constance Ida MacFarlane.

University Medals—

Faculty of Law.....Frank Manning Covert.

Avery Prize—(First Distinction

Graduate).....Ernest Redmond Buckler.

Special Avery Prize.....Fulton Craswell Underhay.

Carswell Prize—(Highest standing in

regular course in Law) 3rd Year. Divided between John Thomas

MacQuarrie and John

Fraser Shaw.

Frank Woodbury Memorial Prizes

Thesis.....Lawrence Llewelyn Buffett.

Infirmary.....Thomas Edwin Cragg.

Laboratory Technic.....Not Awarded.

ENTRANCE AND UNDERGRADUATE PRIZES.

Entrance Scholarships (in order of Merit).

George H. Campbell Memorial Scholarships—1st. John Alexander Fraser Miller; 2nd. Arthur William Pedder; 3rd. Robert Thomas Donald.

Sir William Young Scholarships—1st. Theodore Claire Chalmers Sodero; 2nd. John Alexander Young MacDonald.

University Scholarships—1st. David Edward Rodger; 2nd. Lauchlin Donald MacDonald.

Mackenzie Scholarship—Charles Read Lorway.

Bruce Scholarship—Elizabeth Ryan Murray.

Halifax City Free Scholarship—Dorothy Elizabeth Hills.

Elizabeth Mc Kenna Scholarship—Jean Arletta Gardner.

Pictou Academy Scholarship—Janet Isabel Matheson.

Undergraduate Scholarships and Prizes.

Bruce Scholarship (1st Year Arts)....Edith Louise Allen.

George H. Campbell Memorial Scholar-

ships (1st Year Arts).....1st. Catherine Olding Hebb.

2nd. Evelyn Frances McEl-

hinney.

3rd. Not Awarded.

University Scholarships (1st Year

Arts).....Not awarded.

Mackenzie Scholarship (1st Year

Arts).....Not Awarded.

Allan Pollok Scholarship (2nd Year

Arts).....John Baldwin Corston.

STUDENTS REGISTERED, 1928-29.

FACULTY OF ARTS AND SCIENCE.

Enrolled in Dalhousie University.

Abram, Sophie.....	Amherst, Cumb. Co.
Akin, Edwin Knowlton.....	Windsor, Hants Co.
Akin, Thomas Bernard.....	Windsor, Hants Co.
Alexander, Sydney Gordon.....	Campbellton, N. B.
Ailan, Charlotte Stalker.....	Halifax.
Allan, Wilbur Stewart.....	Saint John, N. B.
Allen, Charles Robert Kelley.....	Halifax.
Allen, Edith Louise.....	Summerside, P. E. I.
Allen, Margaret Elizabeth.....	Halifax.
Allen, William Graham.....	Halifax.
Amirault, Marie Madeleine.....	Rockingham, Hfx. Co.
Anderson, May Gladys.....	West River, Pic. Co.
Archibald, Alice Maie.....	Halifax.
Archibald, Donald Harper.....	Bathurst, N. B.
Archibald, Manning Clifford.....	Charlottetown, P. E. I.
Archibald, Mary Leslie.....	Bathurst, N. B.
Archibald, Sanford Wellington.....	Halifax.
Armour, George Ogden.....	Middleton, Ann. Co.
Ashley, Nita Vera.....	Elmsdale, Hants Co.
Aucoin, Wilfred Hubert, B. A. (St. Anne's).....	Halifax.
Backman, Gilbert Owen.....	Lunenburg.
Baird, Edna Atkinson.....	St. John's, Nfld.
Baird, Gladys Morris.....	St. John's, Nfld.
Baker, Charles Harold Lemont.....	Halifax.
Barnaby, Edith Kiens.....	Bridgewater, Lun. Co.
Barnaby, Harry Cogswell.....	Bridgewater, Lun. Co.
Barnes, Elizabeth Frances.....	Halifax.
Barnhill, Barbara Frances.....	St. Paul, Minn., U. S. A.
Barnstead, Lilian Ashmere.....	Halifax.
Batt, Minnie.....	Halifax.
Bayne, Norman Hunter.....	Halifax.
Beatteay, Frances Robertson.....	Saint John, N. B.
Bell, Adam Carr.....	New Glasgow, Pic. Co.
Belliveau, Basil Bernard, B. A. (St. F. X.).....	Belliveau's Cove, Dig. Co.
Bennett, Walter Edwin.....	Halifax.
Bentley, Helen Morris.....	Halifax.
Betts, Edward Arthur, B. A. (Mt.A.)	Mill Cove, N. B.
Bishoff, Irving E.M.....	Jamaica, N. Y., U. S. A.
Bishop, Gerald Edward Loung.....	Kentville, King's Co.
Blackadar, Burgess Malcolm.....	Halifax.
Blois, Evelyn Christine.....	Halifax.
Bovyer, Jack MacLeod.....	Crapaud, P. E. I.
Braine, Robert Wallace.....	Annapolis Royal.
Brennan, Maxwell Daniel.....	Dartmouth.
Brenton, Minna Elinor.....	Rockingham, Hfx. Co.
Brenton, Nelly Beatrice.....	Halifax.
Brewster, Florence Martha.....	Moncton, N. B.
Brittain, William Norman.....	Saint John, N. B.

Brody, Yale	Sydney, C. B. Co.
Brookfield, John Carr	Halifax.
Brookfield, Samuel Carr	Halifax.
Brown, Phyllis Llwellyn	Hamilton, Bermuda, B. W.
Bruce, Alfred Walter	Shelburne.
Buckler, Ernest Redmond	Dalhousie West, Ann. Co.
Budd, John Henry	Halifax.
Burgess, Donald Boyd	Woodville, King's Co.
Burgess, Dora Anne	Grand Falls, N. B.
Butler, Muriel Anne	St. John's, Nfld.
Buxo, Oswald Theophilus	St. Patrick's, Grenada, B. W. I.
Cameron, Anna Gertrude	Rockingham, Hfx. Co.
Cameron, Eileen Almyra	New Glasgow, Pic. Co.
Cameron, Helen Mary	Rockingham, Hfx. Co.
Cameron, Margaret Barton	Halifax.
Cameron, Marion Frame	Halifax.
Campbell, Evelyn Matilda	Rockingham, Hfx. Co.
Campbell, Francis Daniel	Point Tupper, Rich. Co.
Campbell, George Graham	Stewiacke, Col. Co.
Campbell, Mary Henderson	Inverness.
Cannon, Frederick Merriet	Summerside, P. E. I.
Chai, Harold	Hongwon, Korea.
Champion, Frederick Holland	O'Leary, P. E. I.
Champion, Helen Jean	O'Leary, P. E. I.
Chandler, Frederick Wilson Sayre	Charlottetown, P. E. I.
Chant, Louisa Madge	Greenspond, Bonavista Bay, Nfld.
Chesley, Eleanor Moore Lovett	Hantsport, Hants Co.
Chiekrie, Alfred Seetaram	Berbice, British Guiana, S. A.
Chipman, Francis Beverley	Halifax.
Chisholm, Alexander Fraser	Halifax.
Chisholm, Harry Moseley	Halifax.
Chisholm, Roy Nelson	Caledonia, Guys. Co.
Churchill, Ralph Irving	Windsor, Hants Co.
Clark, Joyce Macdonald	Halifax.
Clarke, Charles Williston	Halifax.
Cleland, James Edwin	Truro, Col. Co.
Clough, Oliver Wendell	Inverness.
Coffey, Laurence Edward	Moncton, N. B.
Colpitts, Gordon Lloyd	Moncton, N. B.
Colpitts, Mary Elizabeth	Sussex, N. B.
Comeau, Joseph Lin, B. A. (St. Anne's)	Comeauville, Dig. Co.
Condon, Betty	Moncton, N. B.
Conrad, Douglas Alvin	Halifax.
Conrad, Ethel Beatrice	Dartmouth.
Conrad, James Harold	Dartmouth.
Conrad, Joseph Cedric Parker	Halifax.
Cooke, Helen Margaret	Halifax.
Cooke, Roy Olivier	Falmouth, Jamaica, B. W. I.
Cooper, Arthur Gordon	Halifax.
Corkum, Philip Byron	Chester Basin, Lun. Co.
Cornwall, Annie Ruth	Hantsport, Hants Co.
Corston, John Baldwin	Halifax.
Covert, George Leslie	Dartmouth.
Covert, Jack Archibald	Dartmouth.

- Cowperthwaite, Margaret Graham Sydney, C. B. Co.
 Cox, James Watson Bedford Halifax.
 Craig, Florence Gertrude Perth Junction, N. B.
 Crocker, Mary Elliott Newcastle, N. B.
 Crouse, Evangeline Murdock Bridgewater, Lun. Co.
 Crouse, George Herbert Crousetown, Lun. Co.
 Crummey, Arthur Samuel Western Bay, B.D.V., Nfld.
 Cumming, Alison Archibald Halifax.
 Currie, Gwynn Abigail Halifax.
 Currie, Mary Barbara Halifax.
 Curry, Mary Gwendolyn Pictou.
 Curtis, Elsie Elizabeth Halifax.

 Dauphinee, Wilfred Tennyson Shelburne.
 Davidson, Harold Jack Sydney, C. B. Co.
 Davison, Charles Donald Bridgewater, Lun. Co.
 Dechman, Walter Fairchild Bridgetown, Ann. Co.
 DeMone, Jean Louise Halifax.
 Derrah, William Ian Glassville, N. B.
 DesBrisay, Eila Pearl Halifax.
 deSouza, Caesar Nunes Brooklyn, N. Y., U. S. A.
 Dewar, Robert Lloyd Charlottetown, P. E. I.
 DeWolf, Arthur Leonard Halifax.
 Dickson, Margaret MacLeod Moncton, N. B.
 Dockerty, Malcolm Birt Cardigan, P. E. I.
 Dockrill, Russeli Blendid Halifax.
 Donahoe, James Robert Halifax.
 Donahoe, Richard Alphonsus Halifax.
 Donald, Robert Thomas Malpeque, P. E. I.
 Donaldson, George Darrell Tatamagouche, Col. Co.
 Donaldson, John William Halifax.
 Dorman, Margaret Ottawa, Ont.
 Douglas, James Clyde Halifax.
 Dowd, Alice Rockingham, Hfx. Co.
 Doyle, Paul Joseph Halifax.
 Dubinsky, Justin Louis Glace Bay, C. B. Co.
 Duchemin, Lloyd Allison Sydney, C. B. Co.
 Duchemin, Nita Gwendolyn Sydney, C. B. Co.
 Duchemin, Rohan Compton Sydney, C. B. Co.
 Dumaresq, Jacqueline Marie Halifax.
 Dunsworth, Edward Joseph Halifax.
 Dunsworth, Mary Marjorie Halifax.
 DuVernet, Frederick Parker Digby.

 Eaton, Harold Archibald Bathurst, N. B.
 Eaton, Wiliam Drummond Truro, Col. Co.
 Elkin, Frances Beatrice Saint John, N. B.
 Elliot, Esther Elizabeth Halifax.
 Ells, Margaret Elizabeth Canning, King's Co.
 Ells, Maxwell Melior Kingsport, King's Co.
 Ettman, Irving Keisy Brooklyn, N. Y., U. S. A.
 Evans, Annie Stanford Chester, Lun. Co.
 Ewing, Helen Robertson Saint John, N. B.

 Fairbanks, James Oxley Windsor, Hants Co.
 Fairstein, Samuel Johnson New York City, N. Y., U.S.A.
 Falconer, Mary Douglas Halifax.

Hamilton, Hugh Kenneth.....	Halifax.
Hamilton, Parker Cleveland.....	Halifax.
Hampton, William Forsey.....	St. John's, Nfld.
Handler, Harrie.....	Jersey City N. J., U. S. A.
Hanifen, Mary Katherine, B. A.....	Halifax.
Harold, Thomas Campbell.....	Halifax.
Harguail, Henry Bernard.....	Campbellton, N. B.
Harries, Charles Gordon.....	Sydney, C. B. Co.
Harrigan, Mayo Arthur Perrin.....	Halifax.
Harris, Charles Edwin.....	Annapolis Royal.
Harris, Edna May Margaret.....	Halifax.
Harris, Karl Balfour Bentley.....	Barton, Dig. Co.
Harris, Reginald, Gordon.....	Bedford, Hfx. Co.
Harrison, James Alden.....	Cambridge, Mass., U. S. A.
Hart, Mildred Gertrude.....	Halifax.
Harvey, Alice Gordon, M. A.....	Dartmouth.
Harvey, Margaret Isabel.....	Halifax.
Haslam, Albert James.....	Bradalbane, P. E. I.
Hawkins, Susan.....	St. Joseph, Mo., U. S. A.
Hebb, Catherine Olding.....	Dartmouth.
Hebb, Harvey Douglas.....	Halifax.
Hebb, Peter Oiding.....	Dartmouth.
Hemeon, Miner Weston.....	Yamouth.
Hemphill, Gertrude Winifred.....	Debec, N. B.
Henley, Percy Clarendon.....	Armdale P. O., Halifax.
Hennessey, Graham Putnam.....	Highland Village, Col. Co.
Hennigar, Ella Blanche.....	Halifax.
Hewat, Florence Alice.....	Halifax.
Hewat, John Keatinge.....	Halifax.
Hewat, Robert Orton.....	Halifax.
Hicks, Edward Clair.....	Bridgetown, Ann. Co
Hilchie, Wilfred Farnsworth.....	Weston, Ont.
Hills, Dorothy Elizabeth.....	Halifax.
Hiltz, Joseph Earle.....	Truro, Col. Co.
Hogg, Nancy Williamson.....	Halifax.
Hoider, Jean Marion.....	Halifax.
Holland, Arthur Wright.....	Albany, P. E. I.
Holland, Leonard Gilbert.....	Halifax.
Howse, Ernest Marshall Frazer.....	Bay Roberts, Nfld.
Humphrey, Richard Dale.....	Saint John, N. B.
Irvine, Inez Abigail.....	Calgary, Alta.
Irving, Anna Viola.....	South Brookfield, Queen's Co.
Irving, Ronald William.....	Moncton, N. B.
Irwin, Frances Virginia.....	Halifax.
Isner, Gordon Burdette.....	Halifax.
Jackson, Claire Lydiard.....	Halifax.
Jackson, Ella Wallace.....	Shubenacadie, Hants Co.
Jacobson, Sam.....	Saint John, N. B.
Jakeman, William Douglas Low.....	Halifax.
Jardine, Frederic William.....	Moncton, N. B.
Jemmott, Clarice Elaine.....	Halifax.
Jemmott, Gordon Thomas Chester- field.....	Halifax.
Johnson, Enid Elizabeth.....	Halifax.
Jones, Hubert Kingsford.....	Liverpool, Queen's Co.

Jost, Burton Norris.....	Halifax.
Jost, Victor Arthur.....	Halifax.
Jost, William Harry.....	Sydney, C. B. Co.
Jubien, Vera Margaret.....	Halifax.
Kanigsberg, Robert Abe.....	Dorchester, Mass., U. S. A.
Kawall, Vincent.....	Demerara, British Guiana, S. A.
Kaye, Dorothy Crawford.....	Halifax.
Keating, Harold Johnston.....	Halifax.
Kennedy, Douglas Joseph.....	Halifax.
Kennedy, Hugh John.....	Saint John, N. B.
Kennedy, Ireta Edythe.....	Charlottetown, P. E. I.
Kennedy, James Patrick.....	Springhill, Cumb. Co.
Kent, Margaret Vicars.....	Truro, Col. Co.
Keshen, Louise Evelyn Rita.....	Halifax.
Keyes, George Wells.....	Halifax.
Killam, Kathleen Eleanor.....	Woodville, King's Co.
Kinnear, Wilhelmina Stuart.....	Moncton, N. B.
Kirsh, Jacob.....	Moncton, N. B.
Kitaeff, Morton.....	Yarmouth.
Kitz, Hildred Sylvia.....	Halifax.
Knodell, John Frederick.....	Halifax.
Lamb, Charles.....	Halifax.
Lamb, Herbert Simpson.....	Halifax.
Lamond, William James.....	Sydney Mines, C. B. Co.
Lane, Lillian Elizabeth.....	Halifax.
Lang, John Taylor.....	Halifax.
Langille, James Howard.....	Annapolis Royal.
Langstroth, Muriel Allison.....	Saint John, N. B.
Laurence, Roy Anderson.....	Margaree Harbour, Inv. Co.
Lawrence, Muriel Elliott Hill.....	St. John's, Nfld.
Lawson, Wilfred Purdy.....	Dartmouth.
Layton, Lloyd Brown.....	Sydney Mines, C. B. Co.
Lea, William Chester.....	Victoria, P. E. I.
LeBrun, Charles Thomas.....	Bridgetown, Ann. Co.
Lefurgey, Osborne Bayfield.....	Summerside, P. E. I.
Leslie, Henry Linton.....	Halifax.
Leslie, Jean O'Dell.....	Halifax.
Levy, Robert Clifford.....	Sherwood, Lun. Co.
Linder, Annie Frances.....	Halifax.
Locke, Eleanor Todd.....	Halifax.
Longley, Charles Francis Adams.....	Halifax.
Lorway, Charles Read.....	Sydney, C. B. Co.
Love, Donald Fraser.....	New Glasgow, Pic. Co.
Love, Jean Burns.....	New Glasgow, Pic. Co.
Love, Muriel Vaughan.....	St. Martin's, N. B.
Lynch, Mary Louise.....	Saint John, N. B.
Macaulay, Janita Aileen.....	Halifax.
Macaulay, Ruth Murray.....	Halifax.
McCarthy, Raymond William.....	Halifax.
McCleave, James Edward.....	Stewiacke, Col. Co.
McCull, Ronald.....	Halifax.
McCoubrey, Mary Lee.....	Sydney, C. B. Co.
MacCoy, Heien Constance Lenore.....	Kentville, King's Co.

McCulloch, Warren Fulton	Truro, Col. Co.
McCunn, Raeburn Fraser	Oxford, Cumb. Co.
Macdonald, Archibald Alexander	Dartmouth.
MacDonald, Bessie Isabel	Halifax.
MacDonald, Charles Roy	Glace Bay, C. B. Co.
Macdonald, Elizabeth Florence	New Glasgow, Pic. Co.
Macdonald, Harry Stewart	Halifax.
Macdonald, James Power	Sydney, C. B. Co.
Macdonald, Janet Katherine	Whycomagh, Inv. Co.
MacDonald, John Alexander Young	Sydney, C. B. Co.
MacDonald, John Whitney	Providence, R. I., U. S. A.
McDonald, John Winston	Balmoral Mills, Col. Co.
MacDonald, Lauchlin Donald	Kilmuir, P. E. I.
Macdonald, Lias MacKenzie	Sydney, C. B. Co.
MacDonald, Margaret Alexandra	Halifax.
MacDonald, Robert Campbell	Sydney Mines, C. B. Co.
MacDonald, Sheila Mary	Halifax.
MacDonald, Thomas Daniel	Stellararton, Pic. Co.
MacDougall, Austin Everett	Halifax.
MacDuff, Leslie Coles	Halifax.
McElhinney, Evelyn Frances	Halifax.
MacFarlane, Constance Ida	Charlottetown, P. E. I.
McFarlane, John Richard	Saint John, N. B.
MacGrath, Marion Constance	Rockingham, Hfx. Co.
MacGregor, James Drummond	New Glasgow, Pic. Co.
MacIlreith, William Reynolds	Jollimore, P. O., Hfx. Co.
McIntosh, Charles Gordon	Bedford, Hfx. Co.
McIntosh, Douglas Major	Bedford, Hfx. Co.
MacIntosh, Franklin Campbell	Stellararton, Pic. Co.
MacIntosh, Marion Jean	River Hebert, Cumb. Co.
MacKay, Alexander Baillie	Salt Springs, Pic. Co.
MacKay, Alexander Miller	New Glasgow, Pic. Co.
McKay, Annie Estelle	Clyde River, Shel. Co.
Mackay, Fergus Stewart	Pictou.
Mackay, Ian Earl	Stellararton, Pic. Co.
Mackay, Mildred Elizabeth	Sydney, C. B. Co.
McKay, Robert Donald	Yarmouth.
McKenna, James Louis	Saint John, N. B.
MacKenzie, Daniel Campbell	Big Harbour Centre, Inv. Co.
MacKenzie, Walter Campbell	Baddeck, Vic. Co.
MacKinnon, Margaret Elsie	Sydney, C. B. Co.
MacLachlan, Elsie Alexandra	West Bay Centre, Inv. Co.
MacLaggan, Marjorie Florence	New Glasgow, Pic. Co.
McLaughlin, Glenn Haywood	Grand Manan, N. B.
MacLean, Anne Jean	New Glasgow, Pic. Co.
MacLean, Frank Willard	Trenton, Pic. Co.
MacLean, Margaret Agnes	Mahone Bay, Lun. Co.
McLean, Reginald Carliston	Sydney, C. B. Co.
MacLean, Ward Hastings	Hopewell, Pic. Co.
McLellan, Fredrick Clair	Tatamagouche, Col. Co.
McLellan, James Russell	Sydney, C. B. Co.
MacLennan, Agnes Cecilia	Rockingham, Hfx. Co.
MacLennan, Edna Agnes Electa	Brookfield, Col. Co.
MacLennan, Frances Annie Stewart	
B. A.	Halifax.
MacLeod, Donald Ross	New Glasgow, Pic. Co.
MacLeod, James Andrew	Port Hastings, Inv. Co.

McManus, Kathleen Sheila	Halifax.
MacMillan, Gordon Eugene	Alberry Plains, P. E. I.
MacMillan, Olive Jessie	Dartmouth.
MacMillan, Robert Alexander	Dalhousie, N. B.
MacOdrum, Charles Gordon	Brockville, Ont.
MacRae, Donald MacKay	Sydney Mines, C. B. Co.
MacRae, Duncan Daniel Alexander	Nyanza, Vic. Co.
Mackie, George May	New Glasgow, Pic Co.
Mackie, Margaret Putnam	Sydney, C. B. Co.
Magonet, Hyman	Glace Bay, C. B. Co.
Mahar, Frederick John	Halifax.
Mahen, Kenneth Wilson	Halifax.
Mahon, George Stuart	Halifax.
Margeson, Doris Gwendolyn	Bridgewater, Lun. Co.
Marshall, Arthur Middlemas, M. D., C. M.	Halifax.
Marsters, John Francis	Dartmouth.
Marston, Harold Pearce	Plaster Rock, N. B.
Martin, Dermot Frederick	Wolfville, King's Co.
Martinello, Harry	Sydney, C. B. Co.
Matheson, Hector Ewan	Edmundston, N. B.
Matheson, Janet Isabel	Truro, Col. Co.
Matheson, Joseph Silver	Halifax.
Matheson, Kenneth William	Edmundston, N. B.
Matheson, Rand Hector	Sydney, C. B. Co.
Maxwell, Benjamin Roy	Hopewell, Pic. Co.
Meagher, Gertrude Mary	Halifax.
Medjuck, Archie	Glace Bay, C. B. Co.
Mellish, Harold Lester	Montague, P. E. I.
Melvin, Embert Johnson	Canning, King's Co.
Menzie, Harold David	Tatamagouche, Col. Co.
Menzies, Peter Theophilus	New York City, N. Y., U.S.A.
Merriam, Mary Kathaleen	Port Greville, Cumb. Co.
Miller, Charles Cyril	North Sydney, C. B. Co.
Miller, John Alexander Fraser	New Glasgow, Pic. Co.
Miller Kathleen	Sydney, C. B. Co.
Miller, Pauline Allan	Halifax.
Miller, Ralph Stanley	Halifax.
Miller, Reta Virginia	North Sydney, C. B. Co.
Miller, Robert Louis	Elmsdale, Hants Co.
Milne, Annie Joyce	Dartmouth.
Milner, Marjorie Dechman	Amherst, Cumb. Co.
Mitchell, Clara Beatrice	Halifax.
Mitchell, Elizabeth Mary	Old Bridgeport, C. B. Co.
Mont, Janet Alicia	Halifax.
Moores, Doris Catharine	Carbonear, Nfld.
Moors, Mildred Iota	Halifax.
Morehouse, Charlie Nelson	Centreville, Dig. Co.
Morrison, Frances Willard	Halifax.
Morrison, Frederic Charles	New Waterford, C. B. Co.
Morrison, Jean Laidlaw	Halifax.
Morse, Mary Louise	Bathurst, N. B.
Morton, Evan Kennedy	New Glasgow, Pic. Co.
Morton, Jean Isabel	Halifax.
Morton, John Macleod, B. Sc.	Halifax.
Morton, Ralph Sedley	Halifax.
Muir, James Alexander	Eureka, Pic. Co.

Smith, Jane Porter.....	Halifax.
Sodero, Theodore Clare Chalmers..	Sydney, C. B. Co.
Soper, Marie Suzanne.....	Halifax.
Sparkes, Alice Mary.....	St. John's, Nfld.
Sparkes, Madeline Janet.....	St. John's, Nfld.
Spencer, Simeon Nathan.....	Armdale P. O., Hfx. Co.
Sproule, Lorne William.....	Sarnia, Ontario.
Sproull, Margaret Campbell.....	Stellarton, Pic. Co.
Stables, Margaret Isabel.....	Newcastle, N. B.
Stehelin, Emile Charles, B. A. (St. Anne's).....	Church Point, Dig. Co.
Stephenson, Frank Bernard.....	Montreal, P. Q.
Stewart, William Wesley.....	Saint John, N. B.
Stoddard, Arthur Borden.....	Halifax.
Stoddard, Jennie Archibald.....	Halifax.
Stokes, Allan Joseph.....	Halifax.
Stott, Helen P.....	St. John's, Nfld.
Stuart, Charles Elmer.....	Bradalbane, P. E. I.
Sullivan, Dorcas May.....	Sydney, C. B. Co.
Sullivan, Mary Margaret.....	Bedford, Hfx. Co.
Sullivan, Paul Eugene.....	Bedford, Hfx. Co.
Sutherland, Pearl.....	Sydney, C. B. Co.
Sweeney, Mary Joan.....	Halifax.
Tanner, Charles James.....	East Dover, Hfx. Co.
Taylor, Anna Julia.....	St. John's, Nfld.
Templeman, Walter.....	Bonavista, Nfld.
Templeman, Wilfred.....	Bonavista, Nfld.
Thomas, Audrey Elizabeth.....	Truro, Col. Co.
Thompson, Gordon Clarence.....	Halifax.
Thompson, Robert Musgrave.....	North Sydney, C. B. Co.
Thurber, Melford Alexander.....	Freeport, Dig. Co.
Tilton, Sophie Robertson.....	Saint John, N. B.
Torrey, Elizabeth Letitia.....	Guysboro.
Torrey, Ethel May.....	Guysboro.
Townsend, Clyde Fraser.....	New Glasgow, Pic. Co.
Trites, Charles Venar.....	Moncton, N. B.
Trotter, Wallace Stanhope.....	New Glasgow, Pic. Co.
Tulloch, Robert Douglas.....	Dartmouth.
Underhay, Fulton Craswell.....	Bay Fortune, P. E. I.
Underwood, Charles Coll.....	New Glasgow, Pic. Co.
Van Amburg, Hilda Muriel.....	Central Argyle, Yarm. Co.
Vaughan, George Francis.....	Halifax.
Wallace, Daniel Phiip.....	Halifax.
Weagle, Valerie Viola.....	Bridgewater, Lun. Co.
Webber, Simon Montford.....	Halifax.
Webber, Thomas Rosborough.....	Ship Harbour Lake, Hfx. Co.
Webster, Morley MacWilliam.....	Halifax.
Weeks, Maurice Whitney.....	Charlottetown, P. E. I.
Weiner, Aaron.....	Brooklyn, N. Y., U. S. A.
Weldon, Frances Ernestine.....	Montreal, P. Q.
Whalen, John William.....	Halifax.
Whelan, Harry Maxwell.....	St. John's Nfld.
Whelpley, Charles Frederick.....	Halifax.

White, Margaret Saunders	Providence, R. I., U. S. A.
Whithead, Frederick Lawson	Charlottetown, P. E. I.
Whiteley, George Carpenter	St. John's, Nfld.
Wickwire, Lawrence David	Truro, Col. Co.
Williams, Helen Gladys	Halifax.
Williamson, Hazel Jean	Yarmouth North, Yar. Co.
Wilson, Earle Albert	Truro, Col. Co.
Wilson, James Sutherland	Halifax.
Winfield, Gordon Abbott	Halifax.
Wood, Albert Lewis	Halifax.
Wood, Gertrude Isabel	Halifax.
Woods, William Daniel	Armdale P. O., Hfx. Co.
Woodworth, Ruth Edwina, B. A. (Acadia)	Kentville, King's Co.
Wright, George William	Halifax.
Wright, William Ross	Bedeque, P. E. I.
Zellner, Isidore	Brooklyn, N. Y., U. S. A.
Zinck, Murray Nauss	Chester, Lun. Co.
Zive, Aaron	Halifax.
Zwerling, Louis	Halifax.
Zwicker, John Gordon	Halifax.
Zwicker, Raymond Morton	New Germany, Lun. Co.
Zwicker, Wilfred Grenfell	Bridgewater, Lun. Co.

Enrolled in King's College.

Anderson, Charles Edward	Bridgetown, Ann. Co.
Andrew, Geoffrey Clement	Pictou.
Andrew, John Ernest	Charlottetown, P. E. I.
Andrews, Ralph LeMoine	Harbour Grace, Nfld.
Banks, Herbert Robertson	Barrington Passage, Yar. Co.
Bateson, Sydney	Sydney Mines, C. B. Co.
Brittain, George Coster	Saint John W., N. B.
Brundage, Ronald Weldon	Saint John, N. B.
Bullock, Charles Heber Beverley	Halifax.
Campbell, James Erskine	Mulgrave, Guys, Co.
Chirgwin, Mary Barrington	North Sydney, C. B. Co.
Cole, Frederick Hawbolt	Chester, Lun. Co.
Colwell, Donald Wetmore	Saint John W., N. B.
Conrod, Gerald Rhodes	Halifax.
Crowe, John Logan	Stewiacke, Col. Co.
Dauphinee, Doris Jeanne	Bridgewater, Lun. Co.
Dauphinee, Marion Beulah	Bridgewater, Lun. Co.
Davies, John Roberts	Windsor, Hants Co.
Dysart, Harry Everett	Sussex, N. B.
Ebers, Earle Street	Charlottetown, P. E. I.
Ebers, Herman Albert	Charlottetown, P. E. I.
Edwards, Muriel Katherine Annes- ley	Halifax.
Ellis, Frances Gatain	Bathurst, N. B.
Fairweather, Hamlin Lee	Rothesay, N. B.
Fairweather, Margaret Emily Lee	Rothesay, N. B.
Fraser, Charles Frederick	Halifax.
Godfrey, Frederick Hodgson	Truro, Co. Co.
Golding, Nita Margaret	Saint John, N. B.
Gregory, Ellen Johnson	Saint John, N. B.

Hannon, Leonard Brenton.....	Halifax.
Hart, William Edward.....	West Saint John, N. B.
Hebb, Amy Elizabeth.....	Bridgewater, Lun. Co.
Hibbard, Muriel Eugenie.....	Rothsay, N. B.
Holm, Carl Orla.....	New Waterford, C. B. Co.
Hunson, Joseph William.....	Hadleyville, Guys. Co.
Hussey, John William Fraser.....	Jollimore, Hfx. Co.
Kennedy, Stephen James.....	Musquodoboit Har. Hfx. Co.
Leslie, Edgar Thomas.....	Halifax.
MacKay, Eleanor Saunders.....	Yarmouth.
MacNutt, William Stewart.....	Charlottetown, P. E. I.
Martell, James Stuart.....	Windsor, Hants Co.
Moore, John Clifford.....	Trenholm, P. Q.
Moore, John Frederick.....	Summerside, P. E. I.
Neish, Florence Jean.....	New Waterford, C. B. Co.
Ott, Thomas Gordon.....	Sydney, C. B. Co.
Owen, Elizabeth Green.....	Halifax.
Ritchie, Roland Almon.....	Halifax.
Rudderham, James Franklin.....	Sydney, C. B. Co.
Samson, Mildred Worrall.....	St. John's, Nf.d.
Smith, Albert Raymond.....	Long Reach, King's Co.
Stewart, Reginald Gordon.....	Saint John, N. B.
Stone, Carmon Walter Frederick.....	Bridgewater, Lun. Co.
Swaine, John Creighton.....	Hantsport, Hants Co.
Tilley, Samuel Leonard.....	Saint John, N. B.
Wainwright, Kennedy Barr.....	Halifax.
Wainwright, Rachel Perot.....	Halifax.
Warr, John Richard Freeman.....	Halifax.
Weir, Harold Alexander.....	Truro, Co. Co.
Willett, Olive Thelma.....	Grace Bay, C. B. Co.
Wollaston, Reginald William Henry.....	Surrey, England.

Registered for Examinations only.

Anderson, Thomas Robert Benjamin.....	Lunenburg.
Beaton, Harold Malcolm.....	Thorburn, Pic. Co.
Cobb, Charlotte Seely.....	Bedford, Hfx. Co.
Currie, George James.....	Halifax.
Foley, Thomas Michael.....	Halifax.
Grant, Gordon MacGregor, B. A.....	Halifax.
Hebb, Walter Ronald.....	Bridgewater, Lun. Co.
Kieley, James Powell.....	Halifax.
LeBrun, Gerald Jersey.....	Bridgetown, Ann. Co.
Ley, Albert Gordon.....	Louisburg, C. B. Co.
Macdonald, Dorothy Margaret.....	Milford Station, Hants Co.
McKeagan, Edwin.....	Halifax.
MacKeen, Joseph W.....	Still Water, Guys. Co.
Mahon, Albert Gordon.....	Halifax.
Marshall, Mary Bell, B. A.....	Digby.
Meagher, Blanche Margaret.....	Halifax.
Merchant, John Cameron.....	Sydney, C. B. Co.
Morton, James Gordon Forbes.....	Saint John, N. B.
Neilson, George Lester, B. A. (King's).....	Dartmouth.
O'Connor, Monica Mary.....	Halifax.
Pfeiffer, Water Moodie.....	Quebec.
Sargeant, Charles Corbet.....	Dartmouth.

Semper, Hugh Oliver	Basseterre, St. Kitt's, B.W.I.
Shaw, Clara Beatrice	Newport, Hants Co.
Sister Marion Gertrude	Rockingham, Hfx. Co.
Sister M. Immaculata	Antigonish.
Smith, Arthur Tanner	Windsor, Hants Co.
Stirling, Lilla May Elderkin	Pictou.
Stoddard, Carman Rosborough	Halifax.
Vail, Pansy Beatrice	Halifax.
Vooght, James Henry	North Sydney, C. B. Co.
Wilson, Laurence Ingraham	New York, N. Y., U. S. A.

FACULTY OF LAW.

Third Year.

Coffin, Thomas Herbert, B. A.	Halifax.
Covert, Frank Manning, B. A.	Dartmouth.
Feaver, Herbert Frederick Brooks- Hill, B. A.	Chester, Lun. Co.
Gavsie, Charles, B. A.	Sydney, C. B. Co.
Kelloway, Berkley Maxse	Perry's Cove, Nfld.
Macdonald, Alexander, B. A. (St. F. X.)	Port Hood, Inv. Co.
McKinnon, Alexander Hugh, B. A. (St. F. X.)	Inverness.
MacLellan, Duncan, B.A. (St. F.X.)	Judique, Inv. Co.
Macleod, Roderick Henry, B. A.	New Glasgow, Pic. Co.
MacQuarrie, John Thomas, B. Com.	Westville, Pic. Co.
Shaw, John Fraser, B. A.	Halifax.
Turnbull, Hugh Hatheway, B. A.	Rothesay, N. B.
Wickwire, William Nathan, B. A.	Kentville, King's Co.

Second Year.

Dowell, Hanson Taylor	Elmsdale, Hants Co.
Fay, James Jordan, B. A.	Bridgetown, Ann. Co.
Forbes, Frederic James, B. A. (Dal.) M. A. (McGill)	Sussex, N. B.
Guss, Benjamin, B. A.	Saint John, N. B.
Keyes, Clyde Costello	Halifax.
MacDonald, John Henry, B. A. (Mt. A.)	Pictou.
MacKinnon, Morris Bremner, B. A. (Bishop's)	Charlottetown, P. E. I.
MacNaught, John Watson, B. A.	Coleman, P. E. I.
Phillips, Roy	St. John's, Nfld.
Powell, Joseph John Anthony, B.A.	Halifax.
Puddester, Harold George	St. John's, Nfld.
Redmond, Gerald John, M. A.	Halifax.
Smith, Kenneth Sanford, B. A.	Halifax.

First Year.

Blandford, Lillian May Reynolds	St. John's, Nfld.
Chisholm, Harold Roderick, B. A. (St. F. X.)	Antigonish.
Copland, John James, B. A. (Acadia)	Grenada, B. W. I.

Gaffen, Bernard Albert	Sydney, C. B. Co.
Greene, Cyril Joseph	Placentia, Nfld.
Keating, Maurice Edward, M. A.	Halifax.
Lamb, Charles	Halifax.
Levy, Robert Clifford	Sherwood, Lun. Co.
Lusby, Azel Randolph, B.A. (Acadia)	Amherst, Cumb. Co.
McCunn, Raeburn Fraser	Oxford, Cumb. 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	Alberry Plains, P. E. I.
Morton, Ralph Sedley	Halifax.
Russell, James Venner, B.A. (McGill)	Saint John, N. B.
Sedgwick, Thomas Clark	New Glasgow, Pic. Co.
Webber, Thomas Rosborough	Ship Harbour Lake, Hfx. Co.

Special Students.

Hanrahan, Thomas James	Halifax.
Lazarovitz, Sadie	Quebec.
O'Handley, Alex.	Sydney Mines, C. B. Co.
Ryan, Lionel Arthur	Basseterre, St. Kitt's, B.W.I.
Vaughan, George Francis	Halifax.

Registered for Examinations only.

Atwood, John Joseph Lysons	Vancouver, B. C.
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FACULTY OF MEDICINE.**Fifth Year.**

Allen, Irene Viola, B. A.	Sumeerside, P. E. I.
Barnaby, Harry Cogswell	Bridgewater, Lun. Co.
Browne, Carman Crawford	Dartmouth.
Cavanagh, Charles Stewart	Cambridge, Mass., U. S. A.
Fraser, Hugh Artworth, B. A.	Halifax.
Grant, Kenneth Milfred	Glace Bay, C. B. Co.
Harlow, Ralph Roland	Bridgetown, Ann. Co.
Kirkpatrick, Thomas Alexander	Wirrall, N. B.
Macdonald, Douglas Fraser	New Glasgow, Pic. Co.
MacKenzie, Charles MacLellan, D. M. D. (Harv.)	Halifax.
Murray, Anna Isabel	Hillsboro, Inv. Co.
Oxley, Philip Lloyd	Halifax.
White, Clifford Paul	Chicago, Ill., U. S. A.
Whittier, Marie Jean	Upper Rawdon, Hants Co.
Winfield, Gordon Abbott	Halifax.

Fourth Year.

Absher, Charles Omer	Chicago, Ill., U. S. A.
George, Thomas Sandaram	Miraj, India.
Giddings, Edgar Stirling	Murray River, P. E. I.
Howatt, Wilfred Bell, B.A. (Acadia)	Summerside, P. E. I.

Johnson, Charles Hammond. Charlottetown, P. E. I.
 Jones, Charles MacLean. Dalhousie, N. B.
 Kafka, Bernard Isidore. New York City, N. Y., U.S.A.
 LachhmanSingh, Joseph Prayag, B.
 Sc. Berbice, British Guiana, S.A.
 Llorens, Fernando y Duharte. Santiago de Cuba, Cuba.
 McCleave, John Rae. Stewiacke, Col. Co.
 Macdonald, Ranald Ian, B. A. Halifax.
 MacLean, John Raymond. Halifax.
 Macneill, John Roderick. Inverness.
 Miller, Leonard Albert, B. A. St. John's, Nfld.
 Minshull, Fred Arthur. Bedford, Hfx. Co.
 Murphy, Arthur Lister, B. A. Halifax.
 Murray, Angus Edward, B. A. Hillsboro, Inv. Co.
 Richardson, Andrew Love, B. Sc. Westville, Pic. Co.
 Ross, Robert Fail, B. A. Sydney, C. B. Co.
 Sangster, Arthur Herbert. Windsor, Hants Co.
 Smith, Carl Heustis. Halifax.
 Townsend, Henry John. New Glasgow, Pic. Co.

Third Year.

Bethune, Clarence Melville. Baddeck, Vic. Co.
 Caldwell, Robert Marsden. Yarmouth.
 Campbell, Donald. Point Edward, C. B. Co.
 Chiasson, Bernard Isidore, B. A.
 (St. F. X.) Margaree Forks, Inv. Co.
 Cogswell, Laverne Eidson. Berwick, King's Co.
 Denoon, John William. New Glasgow, Pic. Co.
 Forsyth, Donald Alexander, B. A.
 B. Sc. Dartmouth.
 Giffin, Audley Atwood. Halifax.
 Giovannetti, Joseph Louis. Placentia, Nfld.
 Grant, Donald MacDonald. Eureka, Pic. Co.
 Jennings, Frederick Cyril, B. Sc.
 (St. F. X.) Saint John, N. B.
 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. A. (Dal.) Saint John, N. B.
 Ross, Arthur Wylie. Sydney, C. B. Co.
 Ross, Edwin Fraser. Stellarton, Pic. Co.
 Smith, Charles Bayne. Glendyer, Inv. Co.

Second Year.

Anderson, Ralph Snowball. Heart's Content, Nfld.
 Blenkinsop, Gavin Walker. Truro, Col. Co.
 Colquhoun, John David. Salt Springs, Pic. Co.
 Crummey, Clarence Bertram. Greenspond, Nfld.

Curtis, Edgar Marshall	Princeport, Col. Co.
Douglass, Arthur Stanley	Stanley, N. B.
Dowd, Peter John	Moncton, N. B.
Eaton, Robert Burnell, B.Sc. (Acadia)	Wolfville, King's Co.
Farmer, Thomas Leonard, B. A.	
(Laval)	Kinkora, P. E. I.
Fraser, Alford Vance	Truro, Col. Co.
Fraser, Frederick Murray, B. A.	Halifax.
Fraser, Raymond Harvey, B. A.	
(St. F. X.)	New Waterford, C. B. Co.
Funoso, Victor	Brooklyn, N. Y., U. S. A.
Galati, Victor Lucius	Brooklyn, N. Y., U. S. A.
Hebb, Frank Johnson	Halifax.
Kimmel, Meyer Leonard	Jersey City, N. J., U. S. A.
Langille, James Arnold, B. A.	Tatamagouche, Col. Co.
MacDonald, Angus James	Port Hood, Inv. Co.
McDonald, Donald Wilson, B. A.	Sydney, C. B. Co.
MacLeod, Alexander Gordon	Halifax.
Margulies, Murray Emanuei	Brooklyn, N. Y., U. S. A.
Marhsall, Kelvin Henry Alexander	St. John's, Nfld.
Matheson, Alexander Macdonald	Edmundston, N. B.
Maxwell, Frederick Vance	Hopewell, Pic. Co.
Messenger, Carl Freeman, B. A.	
(Acadia)	Middleton, Ann. Co.
Monaghan, Theodore Thomas, B. A.	
(Laval)	Charlotteotwn, P. E. I.
Murray, James Carson, B. A.	Tatamagouche, Col. Co.
Offenkrantz, William	Brooklyn, N. Y., U. S. A.
Patrick, Errol Eric	Couva, Trinidad, B. W. I.
Rogol, Oscar	Seymour, Conn., U. S. A.
Rosenfeld, Lester	Brooklyn, N. Y., U. S. A.
Schwartz, Benjamin Robert	Brooklyn, N. Y., U. S. A.
Schwartzberg, Fred Isadore	Paterson, N. J., U. S. A.
Singer, Sina Sidney	Jersey City, N. J., U. S. A.
Smith, John Tolson	St. John's, Nfld.
Sodero, George Watson	Sydney, C. B. Co.
Sutherland, Arthur Lawrence, B. A.	
(St. F. X.)	Sydney, C. B. Co.
Wood, Rayfield George Alfred	Jollimore, Hfx. Co.
Zapata, Miguel	Mayagiiez, Porto Rico.

First Year.

Baird, Robert Douglas	Chipman, N. B.
Bennett, William Winsor	Bonavista, Nfld.
Bishop, Robert Fitz-Randolph	Kentville, King's Co.
Bishop, Shirley Ebenezer	Kentville, King's Co.
Budd, John Henry	Halifax.
Calver, Victor	St. John's, Nfld.
Cowie, Andrew Stuart, B.Sc. (Acadia)	Wolfville, King's Co.
DeLuca, Anthony	Newark, N. J., U. S. A.
Gibbon, Arthur Douglas	Saint John, N. B.
Granville, Frederick Joseph	Halifax.
Holland, Champion	Albany, P. E. I.
Irvine, George Thomas	Plaster Rock, Vic. Co.
McCurdy, Gordon Alexander	Sydney, C. B. Co.

McDonfald, Joseph Allan, B. A. (St. F. X.)	Iona, Vic. Co.
McGowan, John Malcolm	Kilmuir, P. E. I.
MacKay, Alexander Miller	New Glasgow, Pic. Co.
MacKenzie, Walter Campbell	Baddeck, Vic. Co.
McLellan, Frederick Clair	Tatamagouche, Col. Co.
Madden, Arthur Britton, A. B. (Houghton)	Pawling, N. Y., U. S. A.
Magonet, Alexander Philip	Glace Bay, C. B. Co.
Mellish, Harold Lester	Montague, P. E. I.
Mitchell, Ralph Edward, B. A.	Halifax.
Monahan, Richard Osborne, B. Sc. (St. F. X.)	Nelson, N. B.
Morrison, Clarence Norman	Halifax.
Outhouse, Darrell Delancy, B. A. (Acadia)	Tiverton, Dig. Co.
Riggio, Frank	Brooklyn, N. Y., U. S. A.
Rusted, Nigel Francis Scarth	Carbonear, Nfld.
Somers, Samuel Gordon, B.A. (Yale)	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, N. Y., U. S. A.
Wishart, Frank Baird	Fredericton, N. B.
Woolner, William Stewart	North Rustico, P. E. I.
Zive, Aaron	Halifax.

Special Students.

Fenton, Alice Edith	Halifax.
Flinn, Zebud MacKay	Prescott, Ariz., U. S. A.
Frame, Elizabeth Graham, B. A.	Brookfield, Col. Co.
Grant, Gordon Allison, B. Sc.	Yarmouth.
Macdonald, Elizabeth Florence	New Glasgow, Pic. Co.
MacFarlane, Constance Ida	Charlottetown, P. E. I.
Patten, Howard	Grand Bank, Nfld.
Sproule, Lorne William	Sarnia, Ont.
Whiteley, George Carpenter	St. John's, Nfld.

Registered for Examinations only.

Macpherson, Lachlan	St. John's, Nfld.
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FACULTY OF DENTISTRY.

Fourth Year.

Buffett, Lawrence Llewelyn	Sydney, C. B. Co.
Cragg, Thomas Edwin	Dalhousie, N. B.
Hill, Douglas John	Halifax.
MacLean, John David	Springville, Pic. Co.
Miller, Frank Lewis	Sydney, C. B. Co.
Oldfield, Stuart King	St. John's, Nfld.
Sullivan, Charles Archibald	Sydney, C. B. Co.

Third Year.

Clark, Hillard Everett.....Summerside, P. E. I.
 Dinsmore, George William Hazen..St. Stephen, N. B.
 Griffin, Joseph Frederick.....Halifax.
 Harrington, Ross.....Bridgewater, Lun. Co.
 Hudson, Vernon Fenwick.....Dorchester, N. B.
 Macleod, George Cameron.....New Waterford, C. B. Co.
 Nicholson, Murray.....Sydney Mines, C. B. Co.
 Taylor, Omer Crosby.....Glace Bay, C. B. Co.

Second Year.

Chiasson, Russeli, B. A. (St. F. X.)..Reserve Mines, C. B. Co.
 Duxbury, Frank Raymond.....Halifax.
 Irwin, George Byron, B. A.....Halifax.
 Keefe, Gerald Lucien.....Alberton, P. E. I.
 Lubetzki, Isaac Kenneth.....Glace Bay, C. B. Co.
 Macintosh, George Kenneth, B. Sc. Sydney, C. B. Co.
 MacLean, Donald Lauchlin....Trout River, Inv. Co.
 McMullen, John Cyril Scoley.....Fredericton, N. B.
 Peters, Harry Hewlitte.....West Saint John, N. B.
 Sproul, John Everett.....Newcastle, N. B.

First Year.

Barnstead, Edward Wilfrid.....Halifax.
 Cameron, Laurence Cleveland.....Halifax.
 Clough, Oliver Wendell.....Inverness.
 Harris, Herman Leander.....Barton, Dig. Co.
 Hogan, William Vincent.....Halifax.
 Kavanagh, Edward Patrick Francis St. John's, Nfld.
 Lawrence, John William Munro....Halifax.
 McCabe, James Gerald.....Kinkora, P. E. I.
 MacPherson, Alexander Campbell..Grand Anse, C. B. Co.
 Parker, Harold MacGillvray.....Sydney, C. B. Co.
 Sinclair, Angus Cameron.....Campbellton, N. B.
 Taylor, Walter Erwin.....Malpeque, P. E. I.

Special Students.

Harris, Thomas Edward.....St. John's, Nfld.

TIME TABLE—PRE-MEDICAL AND PRE-DENTAL, 1929-30

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 . . .	.....	Zool. 3
10	Chem. 2,2A,4 . .	Physics 20 . . .	Chem. 2,2A,4 . .	Physics 20 . . .	Chem. 2,2A,4 . .	Zool. 3
11	History 20 . . .	Physics 20 . . .	History 20 . . .	Physics 20 . . .	History 20 . . .	Zool. 3
12	.....	.....	.....	.....	.....	Zool. 3
2.30	Chem. Lab . . .	.....	Chem. Lab . . .	.....	Chem. Lab . . .	.....
3.30	Chem. Lab . . .	.....	Chem. Lab . . .	.....	Chem. Lab . . .	.....
4.30	Chem. Lab . . .	.....	Chem. Lab . . .	.....	Chem. Lab . . .	.....

ENGINEERING COURSE.

First Year.						
9	Chem. 1A . . .	Drawing 1 . . .	Chem. 1A . . .	Drawing 1 . . .	Chem. 1A . . .	.....
10	Surveying 1 . . .	French 1 . . . .	.....	French 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	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	.....	.....	.....	.....	.....	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 . . . .	.....	.....	.....

TIME TABLE—FACULTY OF MEDICINE, 1929-30.

Hour	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
First Year.						
9	Embryol.	Anat. Lab.	Physiology. . . . .	.....	Biochem. 1.	Physiology
10	Biochem. Lab	Anat. Lab.	Physiol. Lab. . . . .	.....	.....	**Physiol. Lab
11	Biochem. Lab	Anat. Lab.	Physiol. Lab.	Anatomy 1. . . . .	.....	**Physiol. Lab
12	Biochem. Lab	.....	Physiol. Lab. . . . .	.....	Anatomy 1.	**Physiol. Lab
2.30 to 5.30	Embryol. Lab.	Histology. . . . .	.....	Histology.	Anat. Lab. . . . .	.....
Second Year.						
9	Bacter. 1.	Bacter. 1.	Biochem. 2.	Physiology.	Bacter. 1.	Biochem. Lab.
10	*Psy., †Physio	Bacter. Lab.	Pr. Mat. Med	*Psy., †Spec.	Bacter. Lab.	Biochem. Lab.
11	*Physiol.	Bacter. Lab.	Pr. Mat. Med	*Struct. Neur. †Spec.	Bacter. Lab.	Biochem. Lab.
12	Pract. Med. . . . .	.....	Anatomy. . . . .	.....	Int. Cl. Surg.	†Physiol.
2.30 to 5.30	Anat. 2 & Lab.	*Anat. †Path. . . . .	.....	Anth. 2 & Lab.	Physiol. Lab. . . . .	.....
Third Year.						
9	Pharmacology.	Pract. Med.	Pathology	Pathology	Pharmacology. . . . .	.....
10	*Psychology.	*Sp. †Lab. Dg	Pathology	*Psy. †Lab. Dg	Pract. Med. . . . .	.....
11	Obstet. 2.	*Sp. †Lab. Dg	Pathology	*Obs. †Lab. Dg	Pract. Surg. . . . .	.....
12	Clin. Surg. . . . .	.....	Clin. Surg.	Clin. Surg.	Pract. Med. . . . .	.....
2.30	Pathology . . . . .	.....	.....	.....	Pharm. Lab. . . . .	.....
3	Pathology	Obstet. 1. . . . .	.....	Obstet. 1. . . . .	.....	.....
4	Pathology	Medicine 1. . . . .	.....	Medicine 1.	Pathology . . . . .	.....
5	Pathology	Surgery 1. . . . .	.....	Surgery 1.	*Pr. Med. †Sp	.....
Fourth Year.						
9	Hosp. Wards.	Hosp. Wards.	Hosp. Wards.	Clin. Med.	Clin. Med.	Hosp. Wards
10	Clin. Surg.	Clin. Gyn.	Clin. Surg.	Clin. Surg.	Clin. Gyn.	Clin. Surg.
11	*Sp. †Obs. 2.	Morb. Anat.	Clin. Med.	*Obt. 2 †Spec.	Psychiatry.	Hygiene
12	P. H. C. Clin.	P. H. C. Clin.	P. H. C. Clin.	P. H. C. Clin.	P. H. C. Clin.	P. H. G. Clin.
3	*Obst. †Spec.	{ Group Clin.	*Obst. †Spec.	Morbid. Anat.	{ Group Clin. . . . .	.....
4	Medicine 2.	{ Pub. Health.	Medicine 2.	*Med. Jur. †Sp	{ Pub. Health . . . . .	.....
5	Surgery 2.	{ Centre.	Surgery 2.	Paediatrics.	{ Centre. . . . .	.....

*1st term only. †2nd term only. **Dentals only.

