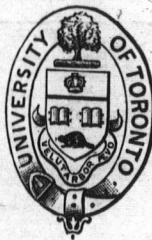


EXTRACTS FROM  
THE  
CALENDAR  
OF THE  
UNIVERSITY OF TORONTO  
FOR THE YEAR

1891-2.



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ROWSSELL & HUTCHISON, PRINTERS.

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SEPTEMBER.							OCTOBER.						
S.	M.	T.	W.	Th.	F.	Sa.	S.	M.	T.	W.	Th.	F.	Sa.
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		29	30										
15. Supplemental Examinations in all the Faculties begin. 25. Meeting of University Council.							1. MICHAELMAS TERM begins. Convocation of the Faculties. 2. Meeting of College Council and of Arts Faculty. 9. Meeting of Senate.						
NOVEMBER.							DECEMBER.						
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6. Meeting of College Council and of Arts Faculty. 13. Meeting of Senate.							4. Meeting of College Council and of Arts Faculty. 11. Meeting of Senate. 23. MICHAELMAS TERM ends. 26. Library and Museum closed.						
JANUARY.							FEBRUARY.						
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1. Library and Museum closed. 4. EASTER TERM and Lectures begin. 8. Meeting of College Council and of Arts Faculty. 8. Meeting of Senate.							5. Meeting of College Council and of Arts Faculty. 12. Meeting of Senate.						

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<p>2. No lectures. 4. Meeting of College Council and of Arts Faculty. 11. Meeting of Senate.</p>							<p>1. Annual Examinations in Medicine begin. 1. Meeting of College Council and of Arts Faculty. 8. Meeting of Senate. 12. Annual Meeting of Medical Faculty. 15. Good Friday. 25. University Examinations in Law begin. 28. Summer Session begins.</p>						
MAY.							JUNE.						
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<p>2. University Examinations of Students in Arts begin. 2. Meeting of University Council. 6. Special Convocation, Medical Faculty. 6. Meeting of College Council and of Arts Faculty. 13. Meeting of Senate. 24. Library and Museum closed.</p>							<p>7. UNIVERSITY COMMENCEMENT.</p>						
JULY.							AUGUST.						
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## HISTORICAL SKETCH.

The movement which ended in the establishment of the University of Toronto as the centre of the educational system of the Province of Ontario, is as old as the Province itself, and originated in the mind of General Simcoe, its first Governor. Simcoe, who was himself an old student of Merton, the most ancient of Oxford Colleges, repeatedly expressed his conviction, both before his departure from England, and also during his term of office, that the best interests alike of the Government and of the inhabitants called for the establishment of a University in Upper Canada. It was not, however, during his administration that the project thus for the first time formulated took practical shape.

In the year 1797, the initial step in the path of higher education in Upper Canada was taken, when the home Government gave authority to the acting Lieutenant-Governor, the Hon. Peter Russell, to set apart for educational purposes five hundred thousand acres of the waste lands of the Crown; one-half to be applied to the establishment of a University. But the actual foundation of the University was not rendered possible until nearly thirty years later; when permission was obtained to exchange a portion of these unproductive lands for other lands still vested in the Crown, which had begun to acquire value from settlement under lease. In consequence of this exchange, a revenue was created; and in 1827 a Royal Charter was granted for

establishing at or near the town of York a college, "with the style and privilege of a University," to be called King's College.

But further delay ensued, owing to the attitude towards educational matters of the next Lieutenant-Governor, Sir John Colbourne. Under his influence the Royal Grammar School, then in existence at the capital, was transformed into Upper Canada College; in the belief that the educational necessities of the Province would be sufficiently provided for by such an institution. For twelve years, accordingly, a portion of University work proper was carried on in conjunction with ordinary school training by the Upper Canada College. After several changes in the administration of the Province, a Lieutenant-Governor of more advanced ideas in the matter of higher education, Sir Charles Bagot, concurred in the view that the long expected college should be erected; and on the 23rd of April, 1842, the foundation stone of King's College was laid by Sir Charles Bagot himself, in the Queen's Park, on the site occupied by the Parliament buildings now in process of erection.

Until the new buildings should be ready for occupation, the old Parliament house, vacated by the removal of the seat of government under the Union Act of 1840, was appropriated for the carrying on of lectures and other University functions. Faculties of Arts, Medicine, and Divinity, were established; and in 1843, the first matriculation of students took place, and inaugural addresses and lectures were delivered on June 8th and 9th of that year. A portion of the projected buildings in the Queen's Park was soon ready for occupation,—the only portion ever completed on that site; and thither the professors and students were transferred. A separate school for the medical faculty was

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erected further to the west. This building known in recent times as "Moss Hall" has, in its turn, been removed and the site appropriated for the building of the Biological Department and Museum.

In 1849 an important modification of the existing state of things was effected by an Act of the Legislature of Canada. In accordance with this Act the faculty of divinity was abolished and the name changed from King's College to that of the University of Toronto. The University under went a further transformation by Act of Parliament in 1853, when the medical faculty was abolished, and University College created. All the professors and other instructors became members of University College, under the government of the College Council; while to the University of Toronto, under the management of the Senate, were assigned the granting of degrees and the conduct of examinations in accordance with the curriculum drawn up by that body, to which the teaching in University College was bound to conform.

The model of the newly organized University was stated to be the University of London. The characteristic features of the University of London, which had then only recently been established, were its limitation to the function of examination, and its freedom from denominational restrictions. The University of Toronto, while retaining the latter characteristic unimpaired, has been enabled, by the subsequent progress of events, to resume what is indeed the main function of a university—the work of teaching.

During these early years many changes of habitation took place. The site of old King's College was appropriated for the erection of legislative buildings, which project, however, suffered a delay of more than thirty years; and the newly created teaching faculty of University College were

given accommodation first in the old Parliament house ; then, when this was required for Parliament on its return to Toronto, the small building formerly provided for the extinct medical faculty became their temporary shelter, until the new University building should be ready for occupation. This building, was begun in 1856, and on October 4th, two years later, was completed, the top stone of the turret of the main tower being then placed in position by Sir Edmund Head, the Governor-General, an old Oxford professor, whose interest in matters of higher education had survived his transference to the sphere of politics, and the value of whose sympathy and support at this critical period in the history of the university cannot be overestimated.

For more than thirty years the constitution of the University and of University College remained substantially unchanged. Other collegiate bodies, principally denominational schools of theology, entered into affiliation with the University ; and in deference to their especial requirements, the course of study in Hebrew and other Oriental languages in University College was augmented and improved ; but the faculty of University College continued to do the work of instruction of almost the entire number of students who presented themselves for examination. The minority was made up of candidates for examinations and degrees in medicine and law. Those in the former faculty were trained by medical schools in affiliation with the University, and in the faculty of law the examinations were based merely upon text-books prescribed by the Senate, and no teaching of any kind was done in connection therewith.

In 1887, both University and College were remodelled by the University Federation Act, under whose provisions the University of Toronto again possesses teaching faculties in Arts, Medicine and Law. As is implied by the title of

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the Act, the main object of this legislation was to secure the union of the various denominational universities of Ontario with the provincial university. Since the proclamation of the Act, the University of Victoria College, at Cobourg, representing the Methodist body, has resigned its degree-conferring powers and entered into federation with the University of Toronto. The governing body of this institution is now represented on the Senate of the University of Toronto; and its graduates will soon be called upon to elect representatives to the Senate in the same way as graduates of the University of Toronto. Moreover, the removal of the faculty and students of Victoria University to Toronto may be looked for at no distant date; college buildings are now in process of erection on a site to the north-east of the Queen's park, so that the complete fusion of the two Universities has become a certainty.

Under the Federation Act, the Theological Colleges also, formerly in affiliation with the University of Toronto, have become federating colleges, and enjoy increased representation on the Senate as a consequence of their closer relation to the University.

In consequence of the transference of the professoriate in scientific and historical departments to the University, the Faculty of University College has undergone a change. It is in future to consist of professors and lecturers in Classical languages and literature (including lecturers in Ancient History), in Oriental languages, in English, French and German, and in Moral Philosophy. All other portions of an Arts course are assigned to the Faculty of the University. For the maintenance of certain of the departments of science on the scale demanded by modern methods of research special provision has been made by the erection of new and the enlargement of old buildings. The revived

medical faculty of the University, moreover, is enabled by the recent legislation to ensure to its students, in conjunction with those in the Faculty of Arts, the most effective practical training in Physiology, and General Biology, in the new building of the Biological Department.

Since the passage of the Federation Act, also, a teaching Faculty of Law has been created in the University, consisting of three professors and several honorary lecturers.

The expansion of the University has not been limited to the time-honoured Faculties of Arts, Medicine, and Law. In 1888 a stimulus was given to the study of scientific methods of farming by the affiliation of the Ontario Agricultural College, and the adoption of a curriculum of study for the degree of Bachelor of the Science of Agriculture. Similarly an examination for the degree of Doctor of Dental Surgery has been instituted, as a consequence of the affiliation of the Royal College of Dental Surgeons of Ontario. The last member of the University system is the Toronto College of Music a curriculum of study has been prepared for the Degree of Bachelor of Music.

Some external modifications must be noticed. In 1881 the Government established a School of Practical Science, and a building was erected on University property to the south of the University building. By arrangement with the Minister of Education, the Professors of Chemistry, Biology and Mineralogy and Geology were accommodated in this building, and a temporary relief to the over-crowded state of the University building was thus afforded. In 1888, however, a building for the department of Biology was erected on the site of the old medical faculty building, and to this has since been added a wing for the accommodation of the Natural History Museum.

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On February 14th, 1890, the main University building was partly destroyed by fire. The plans for its restoration have provided for larger class-rooms and better facilities for teaching; and the work of reconstruction is now in progress. A separate building for library and reading-rooms will be erected as soon as possible. Plans have already been approved, and the funds provided by subscription. New buildings for the departments of chemistry and mineralogy are to be begun without unnecessary delay, the accommodation hitherto allowed them in the School of Practical Science having become inadequate.

Finally the erection of a Gymnasium and Students' Union has been sanctioned by the legislature, and this will complete the additional buildings at present required by the University for the necessities of its professors and students.

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## PRESENT ORGANIZATION.

In treating of the constitution of the University and University College under the latest of the legislative enactments which have modified the original Royal Charter, it will be convenient to take up separately the various bodies that share the legal responsibility for the management of the finances of the University and for its internal administration. These are the Crown, the Board of Trustees, the Senate, Convocation, the University Council, and the Council of University College.

## I. THE CROWN.

The supreme authority in all matters continues to be the Crown, from whom emanated the Charter that created the University, and by whose bounty the lands destined to support the University were originally provided. Section 4 of the University Federation Act (R. S. O. 1887, c. 130), states this general authority :

"The Lieutenant-Governor shall be the Visitor of the University on behalf of the Crown, and his visitorial powers may be exercised by commission under the Great Seal ; and the proceedings of any commission, having been first confirmed by the Lieutenant-Governor, shall be binding on the University and its members, and on all persons whomsoever." A similar section (69) applies to University College.

A more tangible mark of the supremacy of the Crown is supplied by section 5, where it is stated that "the president, professors, lecturers, teachers, officers and servants of the University shall be appointed by the Lieutenant-Governor, and shall hold office during his pleasure." As in the pre-

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ceding instance, a similar section (78) makes a like provision in the case of University College.

In the way of direct supervision of the internal management, it is enacted by section 40 that all statutes of the Senate must be approved by the Visitor before they have any binding force whatever; and, as before, a later section (75) imposes the same restriction in the case of statutes of the University College Council.

In another sphere also, the Crown is supreme, viz., in the management of the finances. All the property of the University is vested in the Crown in trust for the purposes of the University and University College, and is to be "managed and administered under the orders of the Lieutenant-Governor in Council, by an officer to be appointed by commission under the Great Seal of this Province, to hold office during pleasure, and to be called the bursar." (R. S. O. 1887, c. 231, s. 7).

## II. THE BOARD OF TRUSTEES.

The last section quoted naturally leads to consideration of the second important factor in University administration, the Board of Trustees. By Order-in-Council, dated 16th May, 1878, a Board of Management was created, with general powers as to the management and disposition of the University endowment. The original number of members of the Board was five, viz., the Vice-Chancellor and two members of the Senate elected by that body, the President of University College, and one representative chosen by, but not necessarily a member of, the College Council.

Subsequently the representation from the Senate was increased and the Chancellor constituted an *ex-officio* member. In 1884 an Order-in-Council was passed, by which the name was changed to "Board of Trustees," and

the membership constituted as follows: The Chancellor, the Vice-Chancellor, and the President of University College, *ex-officio*; five members elected by, but not necessarily members of, the Senate of the University; and two members elected by, but not necessarily members of, the Council of University College. The functions of the Board remain as before.

### III. THE SENATE.

The constitution of the Senate as the supreme authority, under the Crown, in the internal management of the University, has varied from time to time. At present, it consists of three classes of members: (1) *ex-officio* members; (2) appointed, and (3) elected members. Among the former are the Minister of Education, the present and past Chancellors and Vice-Chancellors, and the President or other head of University College, and of each federating University or College. Members are appointed by the Councils of the University and University College, the Law Society of Upper Canada, and by the governing body of each federating or affiliated College or School, subject to certain restrictions in the case of affiliated institutions. The Crown has also the power to appoint nine members of the Senate. The elected members of the Senate are representatives of the graduates in Arts, Medicine, and Law of the University of Toronto and any federating University, and of the High School teachers of the Province. They number at present twenty out of a total of fifty-six members of Senate. The body thus composed is subject to change once in three years, when all except the *ex-officio* members must retire, being eligible, however, for reappointment or re-election.

The function of the Senate is the general administration of the University. Section 39 of the Federation Act gives it power to make statutes in reference to various particular

matters, and University regarding the for which Act accord provided fo

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### IV. CONVOCATION.

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matters, and "in general for promoting the purposes of the University, and touching all other matters whatsoever regarding the same or the business thereof; or for any purpose for which provision may be required for carrying out this Act according to its intent and spirit, in any case not herein provided for."

With regard to the Chancellor and Vice-Chancellor, although in function the latter is merely the deputy of the former, their election proceeds from totally different bodies. The Chancellor is the representative of the whole body of graduates, while the Vice-Chancellor is the Chairman of the Senate, elected from actual members of the Senate on occasion of its inaugural meeting after a triennial election, and ceasing to hold office when the Senate by whom he was elected is dissolved.

#### IV. CONVOCATION.

Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly, no part of the management of the University can be exercised by it as a whole. It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, and Law. Any question relating to University affairs, may be discussed by it and a vote taken, but the result of such discussion is only communicated to the Senate for action to be taken thereon.

#### V. THE UNIVERSITY COUNCIL.

This body is composed of a President, who shall also be President of University College, and the professors in the University. Its functions are to maintain discipline among the students in connection with the instruction carried on in the University, and to exercise authority over the servants of the University.

## VI. THE COUNCIL OF UNIVERSITY COLLEGE.

Like the University Council, the Council of University College has control over students of University College, and authority over the servants. It consists of the President and professors in the College, together with the Dean of Residence. It has larger duties and powers, however, than the University Council, being constituted a corporation with a common seal, and power to hold property, and to sue and be sued as a corporation.

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## GOVERNMENT OF THE UNIVERSITY.

### VISITOR :

THE HONOURABLE SIR ALEXANDER CAMPBELL, K.C.M.G.,  
*Lieutenant-Governor of Ontario.*

### CHANCELLOR :

THE HONOURABLE EDWARD BLAKE, M.A., LL.D., Q.C.,  
(elected 1876).

#### *Previous Chancellors :*

SIR PEREGRINE MAITLAND, K.C.B., 1828.  
SIR JOHN COLBOURNE, K.C.B., 1829.  
SIR FRANCIS BOND HEAD, K.C.H., 1836.  
SIR GEORGE ARTHUR, K.C.H., 1838.  
RIGHT HON. CHARLES POULETT THOMPSON, 1840.  
RIGHT HON. SIR CHARLES BAGOT, G.C.B., 1842.  
RIGHT HON. SIR CHARLES T. METCALFE, BART., G.C.B., 1843.  
RIGHT HON. CHARLES MURRAY, EARL CATHCART, K.C.B., 1846.  
RIGHT HON. THE EARL OF ELGIN AND KINCARDINE, 1848.  
THE HON. WILLIAM HUME BLAKE, B.A., 1849.  
THE HON. ROBERT E. BURNS, 1857.  
THE HON. JOSEPH CURRAN MORRISON, 1860.

### VICE-CHANCELLOR :

WILLIAM MULOCK, M.A., Q.C., M.P., (elected 1881).

#### *Previous Vice-Chancellors :*

HENRY HOLMES CROFT, D.C.L., F.L.S., 1849.  
THE REV. JOHN MCCAUL, LL.D., 1853.  
JOHN LANGTON, M.A., 1856.  
THE HON. JAMES PATTON, LL.D., Q.C., 1861.  
THE HON. ADAM CROOKS, LL.D., Q.C., 1865.  
LARRATT WILLIAM SMITH, D.C.L., Q.C., 1873.  
THE HON. THOMAS MOSS, M.A., *Chief Justice of Ontario*, 1875.

### PRESIDENT,

SIR DANIEL WILSON, LL.D., F.R.S.E., (appointed 1887).

## SENATE.

(I) *Ex-officio.*

THE HON. THE MINISTER OF EDUCATION.

THE CHANCELLOR.

THE VICE-CHANCELLOR.

SIR DANIEL WILSON, LL.D., F.R.S.E.,

*President of University College.*

REV. JOHN READ TEEFY, B.A.

*Superior of St. Michael's College, Toronto.*

REV. JAMES PATTERSON SHERATON, M.A., D.D.,

*Principal of Wycliffe College, Toronto.*

REV. WILLIAM CAVEN, D.D.,

*Principal of Knox College, Toronto.*

REV. N. BURWASH, S.T.D.,

*Chancellor of Victoria University.*

JOHN LANGTON, M.A.,

LARRATT WILLIAM SMITH, D.C.L., Q.C.,

*Ex-Vice-Chancellors.*(II) *Appointed.*

EDWARD J. CHAPMAN, PH.D., LL.D.,

WILLIAM T. AIKINS, M.D., LL.D.,

R. RAMSAY WRIGHT, M.A., B.Sc.,

*Representatives of the Council of the University.*

MAURICE HUTTON, M.A.,

*Representative of the Council of University College.*

CHARLES MOSS, Esq., Q.C.,

*Representative of the Law Society of Upper Canada.*

HUGH ROBERTSON, M.D.,

*Representative of Trinity Medical School.*

UZZIEL OGDEN, M.D.,

*Representative of the Toronto School of Medicine.*

SAMUEL BARTON BURDETT, LL.D., Q.C., M.P.,

*Representative of the Albert College, Belleville.*

REV. R. McBRADY, C.S.B.

*Representative of St. Michael's College, Toronto.*

NEWMAN W. HOYLES, M.A. Q.C.,

*Representative of Wycliffe College, Toronto.*

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- WILLIAM MORTIMER CLARK, ESQ., Q.C.,  
*Representative of Knox College, Toronto.*
- JAMES MILLS, B.A.,  
*Representative of the Ontario Agricultural College,  
Guelph.*
- JAMES BRANSTON WILLMOTT, D.D.S., L.D.S.  
*Representative of the Royal College of Dental Surgeons  
of Ontario.*
- JOHN GALBRAITH, M.A., C.E.,  
*Representative of the Ontario School of Practical Science,  
Toronto.*
- F. H. TORRINGTON, ESQ.,  
*Representative of the Toronto College of Music.*
- REV. A. H. REYNAR, M.A., LL.D.  
*Representative of the Senate of Victoria University.*
- SIR CASIMIR STANISLAUS GZOWSKI, C.E., K.C.M.G.,  
DENIS AMBROSE O'SULLIVAN, M.A., LL.D., Q.C.,  
HON. JOHN ALEXANDER BOYD, M.A., LL.D.,  
REV. EDWARD HARTLEY DEWART, D.D.  
HON. RICHARD HARCOURT, M.A., Q.C., M.P.P.,  
REV. DANIEL JAMES MACDONNELL, B.D.,  
GEORGE GOODERHAM, ESQ.;  
GEORGE A. COX, ESQ.,  
WILLIAM J. ASHLEY, M.A.,  
*Nominated by His Honour, the Lieutenant-Governor.*

(III) Elected.

- ALFRED BAKER, M.A.,  
JAMES LOUDON, M.A.,  
HON. WILLIAM GLENHOLME FALCONBRIDGE, M.A.,  
HON. JOHN MORISON GIBSON, M.A., LL.B., Q.C., M.P.P.  
JOHN KING, M.A., Q.C.,  
WILLIAM HOUSTON, M.A.,  
ALLAN BRISTOL AYLESWORTH, M.A., Q.C.,  
WILLIAM HODGSON ELLIS, M.A., M.B.,  
ARCHIBALD MACMURCHY, M.A.,  
JAMES HENRY COYNE, B.A.,  
WILLIAM FINDLAY MACLEAN, B.A.,  
WALTER BARWICK, M.A.,  
*Representatives of the Graduates in Arts.*

IRVING HEWARD CAMERON, M.B.,  
 ADAM HENRY WRIGHT, B.A., M.D.,  
 LAUGHLIN MCFARLANE, M.D.

WILLIAM HENRY B. AIKINS, M.B.,  
*Representatives the of Graduates in Medicine.*

WILLIAM FENWICK WILLIAMS CREELMAN, B.A., LL.B.,  
 ALFRED HENRY MARSH, B.A., LL.B., Q.C.,  
*Representatives of the Graduates in Law.*

LUTHER EDMUND EMBREE, M.A.,  
 HENRY BYRON SPOTTON, M.A.,  
*Representatives of the High School Teachers of Ontario.*

---

BOARD OF TRUSTEES.

HON. EDWARD BLAKE, M.A., LL.D., Q.C.,  
*Chancellor of the University.*

ARCHIBALD HAMILTON CAMPBELL, Esq.  
 WM. CHRISTIE, Esq.

SIR C. S. GZOWSKI, C.E., K.C.M.G.

JOHN HOSKIN, LL.D., Q.C.

JAMES LOUDON, M.A.

WILLIAM MULOCK, M.A., Q.C., M.P.,  
*Vice-Chancellor of the University.*

E. B. OSLER, Esq.

JAMES SCOTT, Esq.

SIR DANIEL WILSON, LL.D., F.R.S.E.,  
*President of University College.*

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CONVOCATION.

*Chairman of Convocation:* THE HON. JOHN ALEXANDER BOYD,  
M.A., LL.D., *Chancellor of Ontario.*

*Clerk of Convocation:* WILLIAM F. W. CREELMAN, B.A., LL.B.

EXECUTIVE COMMITTEE.

*Retiring in 1891.*

RUPERT ETHEREGE KINGSFORD, M.A., LL.B., *Chairman.*  
WILLIAM FENWICK WILLIAMS CREELMAN, B.A., LL.B., *Secretary.*  
WILLIAM HUME BLAKE, B.A.  
ALFRED HENRY MARSH, B.A., LL.B.  
PETER HENDERSON BRYCE, M.A., M.D.  
JOHN ANDREW PATERSON, M.A.  
CHARLES ROBERT WEBSTER BIGGAR, M.A.  
ELIHU BURRITT EDWARDS, M.A., LL.B.  
DENIS AMBROSE O'SULLIVAN, M.A., LL.D.  
JOSEPH ALEXANDER CULHAM, M.A.  
WILLIAM FINDLAY MACLEAN, B.A.

*Members Elected by Convocation.*

EDWARD ROBERT CAMERON, M.A.  
JAMES HENRY COYNE, B.A.  
HERBERT LANGEILL DUNN, B.A.  
WILLIAM GEORGE EAKINS, M.A.  
EDWARD FURLONG, LL.B.  
GEORGE STEWART GOODWILLIE, M.A.  
REV. GEORGE GRANT, B.A.  
JAMES FRITH JEFFERS, M.A.  
MICHAEL JOSEPH KELLY, LL.B., M.D.  
JOHN JUCHEREAU KINGSMILL, B.A.  
WILLIAM NESBITT PONTON, M.A.  
WILLIAM JOHN ROBERTSON, B.A.  
EDWARD HANDLEY SMYTHE, M.A., LL.D.  
REV. JOHN SOMERVILLE, M.A.  
DAVID ORMISTON, B.A.  
WILLIAM TYTLER, B.A.  
SAMUEL WOODS, M.A.

*Representatives of County Associations.*

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## UNIVERSITY OF TORONTO

## UNIVERSITY COUNCIL.

*President* : SIR DANIEL WILSON,*Members* :

PROF. M. H. AIKINS.	PROF. McFARLANE.
“ W. T. AIKINS.	“ MILLS.
“ ASHLEY.	“ U. OGDEN.
“ BAKER.	“ W. W. OGDEN.
“ BALDWIN.	“ OLDRIGHT.
“ CAMERON.	“ PIKE.
“ CHAPMAN.	“ PROUDFOOT.
“ CLARK.	“ REEVE.
“ ELLIS.	“ RICHARDSON.
“ GRAHAM.	“ A. H. WRIGHT.
“ HUME.	“ H. H. WRIGHT.
“ HUTTON.	“ R. RAMSAY WRIGHT.
“ LOUDON.	

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ADMINISTRATIVE OFFICERS OF THE UNIVERSITY.

*Librarian :*

(Vacant.)

*Previous Librarians :*

REV. A. LORIMER, B.A., 1858.

JOHN E. THOMSON, B.A., 1869.

W. H. VANDER SMISSEN, M.A., 1874.

*Registrar :*

HUGH HORNBY LANGTON, B.A. (appointed 1887).

(Fees for Lectures and Examinations are paid to the Registrar, and all communications intended for the Senate are received by him.)

*Previous Registrars :*

JAMES GIVENS, Esq., 1828.

THE HON. GEO. MARKLAND, 1828.

THE HON. JOSEPH WELLS, 1833.

HENRY BOYS, M.D., 1839.

PATRICK FREELAND, Esq., 1853.

JAMES H. MORRIS, M.A., 1857.

THOMAS MOSS, M.A., 1859.

WILLIAM GLENHOLME FALCONBRIDGE, M.A., 1873.

ALFRED BAKER, M.A., 1881.

*Secretary of the Medical Faculty :*

ADAM HENRY WRIGHT, B.A., M.D., (elected 1887).

(Address : 30 Gerrard St. East, Toronto.)

*Curator of Museum of Natural History :*

R. RAMSAY WRIGHT, M.A., B.Sc., (appointed 1876.)

*Bursar :*

J. E. BERKELEY SMITH, Esq. (appointed 1879.)

(Address : 120 Simcoe St., Toronto.)

*Previous Bursars :*

THE HON. JOSEPH WELLS, 1828.

HENRY BOYS, M.D., 1839.

DAVID BUCHAN, Esq., 1853.

*Solicitor :*

WILLIAM MACDONALD, M.A.

*Architect :*

D. B. DICK, Esq.

*Yeoman Bedel :*

ROBERT MCKIM.

## OFFICERS OF INSTRUCTION.

## FACULTY OF ARTS.

*Professors and Lecturers.*

## PHYSICS.

*Professor*: JAMES LOUDON, M.A. (appointed 1887, previously Professor of Mathematics and Physics).

*Demonstrator*: W. J. LOUDON, B.A., (appointed 1883).

## MATHEMATICS.

*Professor*: ALFRED BAKER, M. A. (appointed 1887, previously Mathematical Tutor).

The first professor of the above subjects was Richard Potter, M.A., appointed to the Chair of Mathematics and Natural Philosophy in 1843. His successor was Dr. Murray, who, after occupying the position for a few months only, in 1853 gave place to J. B. Cherriman, M.A., who retired in 1876 and was succeeded by the present Professor of Physics.

## CHEMISTRY.

*Professor*: WILLIAM HERBERT PIKE, M.A., Ph.D., formerly Lecturer in Natural Science in Merton College, Oxford, (appointed 1880).

The first professor was Henry Holmes Croft, D.C.L., appointed in 1843, retired in 1880.

## BIOLOGY.

*Professor*: R. RAMSAY WRIGHT, M.A., B.Sc. (appointed Professor of Natural History in 1874, and Professor of Biology in 1887.)

## PHYSIOLOGY.

*Lecturer*: A. B. MACALLUM, B.A., M.B., Ph.D. (appointed 1887).

The first professor in the above subjects was Rev. W. Hincks, F.L.S., appointed Professor of Natural History in 1853; he was succeeded in 1872 by H. Alleyne Nicholson, M.D., D.Sc., M.A., Ph.D., who retired in 1874, and was succeeded by the present Professor of Biology.

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MINERALOGY AND GEOLOGY.

*Professor*: EDWARD J. CHAPMAN, Ph.D., LL.D., formerly Professor in University College, London, (appointed 1853).

HISTORY AND ETHNOLOGY.

*Professor*: SIR DANIEL WILSON, LL.D., F.R.S.E., President of the University and of University College, (appointed 1884, previously Professor of History and English Literature, to which Chair he was appointed in 1853).

COMPARATIVE PHILOLOGY.

*Professor*: MAURICE HUTTON, M.A., Professor of Greek in University College, formerly Fellow of Merton College, Oxford. (Appointed 1889.)

POLITICAL ECONOMY AND CONSTITUTIONAL HISTORY.

*Professor*: W. J. ASHLEY, M.A., formerly Fellow of Lincoln College, and Lecturer in Lincoln and Corpus Christi Colleges, Oxford. (Appointed 1888.)

PHILOSOPHY.

*Professor*: JAMES MARK BALDWIN, M.A., Ph.D., formerly Fellow and Lecturer in Princeton University. (Appointed 1889.)

*Professor of History of Philosophy*: JAMES GIBSON HUME, M.A., Ph.D., Professor of Ethics in University College, formerly Fellow in Harvard College. (Appointed 1889.)

The first professor in the above subject was Rev. James Beavan, D.D., appointed in 1843 Professor of Metaphysics and Ethics. He was succeeded in 1871 by Rev. George Paxton Young, M.A., who died in 1889, when the subject was divided and the present occupants of the Chairs appointed.

ITALIAN AND SPANISH.

*Lecturer*: W. H. FRASER, B.A., (appointed 1887.)

The first instructor in the above subjects was James Forneri, LL.D., appointed Professor of Modern Languages in 1853. In 1866 this Chair was abolished, and lectureships were constituted in each of the languages previously included in the Professorship. The first lecturer under this arrangement in Italian and Spanish was Dr. Forneri. He was succeeded in 1868 by W. G. Falconbridge, M.A., who held the position for a year, being succeeded by W. Oldright, M.A., M.D. Upon the retirement of the latter in 1883, David R. Keys, B.A., was appointed; he was succeeded in 1887 by the present lecturer.

*Fellows.*

Fellowships in the subjects given below, of the annual value of \$500 each, are open for appointment each year. The selection is made immediately after the publication of the result of the University Examinations in May, from among graduates of the University.

Each Fellow is appointed annually; but he may be reappointed for a period not exceeding in all three years.

Each Fellow is required to assist in the teaching and practical work of the department; to pursue some special line of study therein; and to devote his entire time during the Terms to the work of the department, under the direction of the Professor or Lecturer. The Fellows are selected with a special view to their aptitude for teaching, along with their acquirements in the work of the department to which each Fellowship is attached. Every Fellow on accepting his appointment comes under an obligation to fulfil the duties of his Fellowship during the Terms of the Academic Year in which he is appointed, unless specially exempted.

Candidates must send in their applications annually to the Registrar, not later than the first day of June.

The following are the present occupants of the Fellowships in departments assigned to the Faculty of the University :—

*Physics* : (Vacant.)

*Mathematics* : R. HENDERSON, B.A.

*Chemistry* : (Vacant.)

*Biology* : E. C. JEFFREY, B.A.

*Mineralogy and Geology* : W. G. MILLER, B.A.

*Philosophy* : F. TRACY, B.A.

*Political Science* : J. M. McEVROY, B.A.

The services of the Fellow in Philosophy are divided between the University and University College, the sub-department of Ethics being a subject of instruction assigned to University College.

For Fellowships in subjects assigned to the Faculty of University College see p. 75.

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FACULTY OF LAW.

*Professors.*

POLITICAL ECONOMY AND CONSTITUTIONAL HISTORY.

*Professor:* W. J. ASHLEY, M.A., (Appointed 1888).

ROMAN LAW.

*Professor:* THE HONOURABLE WILLIAM PROUDFOOT, late Justice of the Supreme Court of Judicature for Ontario (Appointed 1888).

CONSTITUTIONAL AND INTERNATIONAL LAW.

*Professor:* THE HONOURABLE DAVID MILLS, LL.B., Q.C., M.P. (Appointed 1888).

*Honorary Lecturers.*

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| <i>Wrongs and their Remedies</i> . . . . .                       | } THE HON. MR. JUSTICE McMAHON.          |
| <i>Constitutional Law</i> . . . . .                              | THE HON. EDWARD BLAKE, M.A., LL.D., Q.C. |
| <i>Ethics of Law</i> . . . . .                                   | THE HON. S. H. BLAKE, B.A., Q.C.         |
| <i>Civil Rights</i> . . . . .                                    | D'ALTON MCCARTHY, Q.C., M.P.             |
| <i>Municipal Institutions</i> . . . . .                          | } W. R. MEREDITH, LL.D., Q.C., M.P.P.    |
| <i>Criminal Jurisprudence</i> . . . . .                          | } BRITTON BATH OSLER, LL.B., Q.C.        |
| <i>Commercial and Maritime Law</i> . . . . .                     | } Z. A. LASH, Q.C.                       |
| <i>Equity Jurisprudence</i> . . . . .                            | } CHARLES MOSS, Q.C.                     |
| <i>Comparative Jurisprudence of Ontario and Quebec</i> . . . . . | } J. J. MACLAREN, LL.D., Q.C.            |

For courses of lectures in the Faculty of Law *vide* pp. 135-146.

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### University College.

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As explained in the historical introduction, p. 9, University College was created by an Act passed in 1853, by which the determination of all requirements for degrees, appointing examiners, and conferring degrees, was assigned to the University; while the Faculty, embracing all the professors, lecturers, and tutors, in Arts and Science, was constituted a College for instruction in accordance with the requirements of the University, under the name of University College, Toronto.

By the University Federation Act, of 1887, the University functions of instruction have been revived in most branches of study in the Faculty of Arts, and in the Faculties of Law and Medicine; and the professors and lecturers in Arts and Science have, with a few exceptions, been re-organized into a teaching Faculty in the University.

The subjects of Greek and Latin, (with Ancient History), French, German, Oriental Languages, and Moral Philosophy, have been excepted from those assigned to the University Faculty; and the professors, lecturers, and other instructors in these subjects constitute the Faculty of University College.

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## VISITOR:

THE HONOURABLE SIR ALEXANDER CAMPBELL, K.C.M.G.,  
*Lieutenant-Governor of the Province of Ontario.*

## CORPORATION

OF

UNIVERSITY COLLEGE,

1891.

---

 THE PRESIDENT.

PROFESSOR HUTTON.

PROFESSOR BAKER.

PROFESSOR McCURDY.

PROFESSOR ALEXANDER.

PROFESSOR HUME.

ADMINISTRATIVE

SIR DAVID  
*Previous President*  
 REV. JOHN

*Previous Deans*  
 GEORGE  
 JAMES I.  
 W. D. H.  
 F. A. V.

H.  
*Previous Registrars*  
 REV. A.  
 STUART  
 G. S. G.  
 W. H.  
 W. D.  
 ALFRED  
 WILLIAM



ADMINISTRATIVE OFFICERS OF UNIVERSITY COLLEGE.

*President.*

SIR DANIEL WILSON, LL.D., F.R.S.E. (appointed 1880).

*Previous President :*

REV. JOHN McCAUL, LL.D., 1853.

*Dean of Residence.*

ALFRED BAKER, M.A., (appointed 1885).

*Previous Deans :*

GEORGE BUCKLAND, Esq., 1858.

JAMES LOUDON, M.A., 1865.

W. D. PEARMAN, M.A., 1876.

F. A. VINES, B.A., 1891.

*Registrar.*

HUGH HORNBY LANGTON, B.A. (appointed 1887).

*Previous Registrars :*

REV. ARTHUR WICKSON, M.A., LL.D.

STUART FOSTER, M.A., 1865.

G. S. GOODWILLIE, M.A., 1868.

W. H. VANDERSMISSEN, M.A., 1869.

W. D. PEARMAN, M.A., 1873.

ALFRED BAKER, M.A., 1876.

WILLIAM DALE, M.A., 1885.

*Superintendent of Lady Students.*

MISS SALTER (appointed 1885).

## THE FACULTY.

## GREEK.

*Professor* : MAURICE HUTTON, M.A., Professor of Comparative Philology in the University, formerly Fellow of Merton College, Oxford. (Appointed 1887, previously Professor of Classical Literature).

*Lecturer in Greek and Greek History* : H. RUSHTON FAIRCLOUGH, M.A., formerly Fellow of the Johns Hopkins University (appointed 1887).

## LATIN.

*Lecturer in Latin and Roman History* : WILLIAM DALE, M.A. (appointed 1887, previously Lecturer in Classical Literature).

The first professor in the above subjects was the Rev. J. McCaul, LL.D., who occupied the Chair of Classical Literature, Logic and Rhetoric, from 1843 till his retirement in 1880, when he was succeeded by the present professor of Greek.

## ENGLISH.

*Professor* : W. J. ALEXANDER, B.A., Ph.D., formerly Professor in Dalhousie College, and sometime Fellow of the Johns Hopkins University (appointed 1889).

*Lecturer* : DAVID R. KEYS, M.A. (appointed 1883).

The first professor was the present professor of History and Ethnology, Sir Daniel Wilson, who was appointed in 1853 to the Chair of History and English Literature. In 1884, the subject of English was separated from that of History, and a lectureship therein established to which Mr. Keys was appointed, he having been Lecturer in History and English combined since 1883. In 1889 a professorship in English was created and Professor Alexander appointed.

## GERMAN.

*Lecturer* : W. H. VANDERSMISSEN, M.A. (appointed 1866).

## FRENCH.

*Lecturer* : JOHN SQUAIR, B.A. (appointed 1884).

In 1853 James Forneri, LL.D., was appointed professor in Modern Languages, including French, German, Italian and Spanish. In 1866 this Chair was abolished and separate lectureships in each of the above subjects of French and German were established. Mr. vanderSmissen was appointed Lecturer in German, which position he still holds, and M. Emile Pernet occupied a similar position with regard to French, until his resignation in 1884.

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ORIENTAL LITERATURE.

*Professor*: J. F. McCURDY, Ph.D. (appointed Lecturer in 1886, Professor in 1889).

The first lecturer in Oriental Literature was Mr. J. M. Hirschfelder, who was appointed in 1843 and retired in 1889.

ETHICS.

*Professor*: JAMES GIBSON HUME, M.A., Ph.D., Professor of the History of Philosophy in the University, formerly Fellow in Harvard College (appointed 1889).

Until the appointment of the present professor, the subject of Ethics was united with the other branches of Philosophy in a single professorship, the first incumbent of which was Rev. James Beaven, D.D., appointed 1843, died 1871. Rev. George Paxton Young, M.A., succeeded him and died in 1889.

*Fellows.*

Fellowships in the subjects mentioned below of the value of \$500 each, are open for appointment each year. The selection is made immediately after the publication of the result of the University Examinations in May, from among the graduates of the University of Toronto.

The statute requires that each Fellow shall be appointed annually; but he may be reappointed for a period not exceeding in all three years.

Each Fellow is required to assist in the teaching and practical work of the department; to pursue some special line of study therein; and to devote his entire time during the College Terms to the work of the department, under the direction of the Professor or Lecturer.

The statute provides that "The Fellows shall be appointed from among the graduates of the University of Toronto, on the recommendation of the College Council, and shall be selected with a special view to their aptitude for teaching, along with their acquirements in the work of the department to which each Fellowship is attached." And also that "Every Fellow on accepting his appointment shall come under an obligation to fulfil the duties of his Fel-

lowship during the College Terms of the Academic Year in which he is appointed, unless specially exempted by resolution of the College Council."

Candidates must send in their applications annually to the College Registrar, not later than the first day of June.

The following are the present occupants of Fellowships in subjects of University College:

*Latin*: G. A. H. FRASER, M.A.

*French*: W. C. P. BREMNER, B.A.

*German*: G. H. NEEDLER, B.A., Ph.D.

*Ethics*: F. TRACY, B.A.

The services of the Fellow in Ethics are divided between the University and University College, the sub-department of Ethics being assigned to the Faculty of University College.

For Fellowships in departments assigned to the Faculty of the University see p. 28.

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## SECTION I.

## DAILY PRAYERS.

(Morning Prayer daily at 10 a.m., at which all who have no conscientious objections are expected to be present.)

ALMIGHTY GOD, our Heavenly Father, regard us, we humbly pray Thee, with Thy favour, as we now unite in asking Thy guidance and over-ruling care in all the work of this day. We implore Thy Divine blessing on our country, its schools, colleges, and universities. We especially beseech Thee on behalf of this University and all connected with it. Grant to its professors, teachers, and students a sense of their responsibility to Thee in the use of the talents committed to their charge. Make of it a fountain of learning, virtue, and piety, continually enriched with Thy heavenly benediction. May all who go forth from it be enabled by Thy grace to use wisely and rightly the knowledge here acquired; and ever to employ their talents in the cause of righteousness, justice, and truth. Preserve us under every temptation; and let a sense of Thy undeserved mercies inspire us with zeal in Thy service. We ask it for the sake of Thy Son our Saviour, Jesus Christ. Amen.

OUR FATHER, which art in Heaven, Hallowed be Thy Name. Thy kingdom come. Thy will be done in earth, as it is in heaven. Give us this day our daily bread. Forgive us our trespasses, as we forgive them that trespass against us; and lead us not into temptation; but deliver us from evil. For Thine is the kingdom, the power, and the glory, for ever and ever. Amen.

THE GRACE of our Lord Jesus Christ, and the love of God, and the fellowship of the Holy Ghost, be with us all evermore. Amen.

O LORD GOD, the Fountain of Light and Truth : our creator, preserver, and continual benefactor ; to whom we have to render an account for every talent committed to our charge ; bless, we beseech Thee, our labours and studies in this University. Let Thy Divine guidance and special favour rest on its professors, teachers, and students. Animate all with a spirit of reverence, a love of truth, and a humble dependence on Thee. Teach us so to estimate rightly Thy manifold mercies, that whilst engaged in the discharge of the duties of time, we may ever be mindful of the more important interests of eternity ; and that through Thy grace we may so order our thoughts, words, and actions, as to aim not merely at the welfare of ourselves and others, but also at rendering unto Thee a willing and grateful service. Grant this, we humbly pray Thee, for Jesus Christ's sake. Amen.

OUR FATHER, which art in Heaven, Hallowed be Thy Name. Thy kingdom come. Thy will be done in earth, as it is in heaven. Give us this day our daily bread. Forgive us our trespasses, as we forgive them that trespass against us ; and lead us not into temptation ; but deliver us from evil. For Thine is the kingdom, the power, and the glory, for ever and ever. Amen.

THE GRACE of our Lord Jesus Christ, and the love of God, and the fellowship of the Holy Ghost, be with us all evermore. Amen.

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ALMIGHTY GOD, Father of all mercies, to whose providential goodness we owe the manifold blessings of this life, look down, we pray Thee, with Thy special favour on the professors, teachers, and students of this University. Guide us throughout this day, and in all the coming years. Bless us in the work in which we are now engaged; and aid us by Thy grace, that whilst diligently prosecuting the studies that here claim our attention, we may realize in Thee the fountain of all knowledge, goodness, and truth. Preserve us from error, delusion, and every presumptuous snare; take away all doubt and unbelief; and reveal Thyself to us as the Father of lights, in whom are all the treasures of wisdom and knowledge for time and for eternity. We ask it in the name and for the sake of Thy Son our Saviour, Jesus Christ. Amen.

OUR FATHER, which art in Heaven, Hallowed be Thy Name. Thy kingdom come. Thy will be done in earth, as it is in heaven. Give us this day our daily bread. Forgive us our trespasses, as we forgive them that trespass against us; and lead us not into temptation; but deliver us from evil. For Thine is the kingdom, the power, and the glory, for ever and ever. Amen.

THE GRACE of our Lord Jesus Christ, and the love of God, and the fellowship of the Holy Ghost, be with us all evermore. Amen.

## SECTION II.

## STUDENTS.

1. The regular students include undergraduates of the University, and matriculants, *i.e.*, students who, though they have not passed the prescribed matriculation examinations,\* are taking the full undergraduate course.

2. Matriculated students are required to attend the lectures and examinations, on all subjects necessary for students of their respective standings. Certificates of attendance, during one or more academic years, will be given to those matriculated students who have been regular in their attendance on the required lectures, and who have passed the prescribed examinations.

3. Matriculated students are required to reside, during the period of their attendance on lectures, in the College or in houses selected by their parents or guardians, or approved by the President.

4. All interference with the personal liberty of any student, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University Examinations; and will render himself liable to expulsion from the University.

5. Non-matriculated students may be admitted to lectures on application to the Professors in the respective departments.

6. Certificates of attendance on lectures in any department during an academic year, may be given to non-matriculated students who have been regular in their attendance, and who have also passed the examinations in such department.

\* Appendix p. 1. Matriculation.

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## SECTION III.

## RESIDENT STUDENTS.

ALFRED BAKER, M.A., *Dean.*

1. The resident students are under the immediate charge of the Dean of the Residence, who is authorized to impose fines for infraction of regulations, insubordination, or disorderly conduct.

2. The authority to suspend is vested in the President, and that to expel in the Council; but at the close of each term the Dean may, with the approval of the President, decline to admit any student into Residence.

3. Each student on entrance shall sign his name in the Dean's book to a declaration that he will conform to the statute and regulations relative to resident students.

4. Graduates, formerly students of the College, may be admitted as residents to any rooms not required by undergraduates; and shall sign a declaration engaging to conform to all statutes and regulations relative to resident graduates.

5. Rooms cannot be vacated without the permission of the President.

6. A register shall be kept of the attendance of the residents at prayers, and also of the hours of passing the gate.

7. Resident students shall wear their caps and gowns during term, both in and outside the College, at the discretion of the Dean.

8. They shall regularly attend morning and evening prayers, unless exempted from so doing in consequence of the objection of their parents or guardians.

9. They shall regularly attend their respective places of worship on Sunday.

10. No student shall be absent from the College after the closing of the gate except by permission of the Dean.

11. No stranger shall be admitted after the closing of the gate, nor remain in the building after 12 o'clock at night.

12. The first morning bell shall be rung at 7 A.M.; second morning bell at 8 A.M.; prayers at 8.05 A.M.; breakfast from 8.15 to 8.55

A.M.; dinner at 2.15 P.M.; first evening bell at 6.30 P.M.; prayers at 6.35 P.M.; tea from 6.45 to 7.30 P.M.; and gate closed at 9.30 P.M.

13. Students may occasionally invite their friends to any meal having previously entered their names in the book kept by the Steward, to whom they shall pay the charge fixed for such meal.

14. The officers of the College and non-resident students can purchase from the Steward tickets for meals.

15. The fee payable by resident students for board and rent of room varies from three and a-half to four dollars per week.

16. All fees of resident students are to be paid in advance, per month.

CIRCULAR OF DEAN OF RESIDENCE.

*University College* .....

As your son (or *ward*) purposes coming into residence in this College, I beg to inform you that it is the desire of the Council that, where there are no conscientious objections, all the students under their charge should be present in the hall at daily morning and evening prayers, with reading of the Scriptures. It is also their wish that they should regularly attend on Sundays their respective places of worship, and receive such other religious instruction as their parents or guardians may desire. I have to request that you will be so good as to let me know whether you desire your son (or *ward*) to attend such daily prayers in the College, and that you will also mention the Minister under whose charge you wish to place him.

The Council will afford every facility for the carrying out of your intentions, and with this view, will exercise such control over your son (or *ward*) during his residence, as may be best calculated to effect your wishes. In the event of your not informing me of your desire on the subject, the Council will assume that you have no objection to his being required to attend the daily prayers of the College, and will exercise an oversight as to his attendance on the ministrations of a clergyman of the denomination to which he belongs.

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SECTION IV.

FEES.

Graduates in Arts, who have pursued the undergraduate course in University College, may attend lectures free ; but this privilege does not exempt them from laboratory and other special fees.

(a) For regular students in Arts, or for occasional students taking more than three courses of lectures :—

For Academic Year .....	\$20 00
For Michaelmas Term.....	10 00
For Easter Term.....	14 00
(b) For occasional students taking two or three single courses of lectures.....	11 00
(c) For occasional students taking a single course of lectures .....	6 00
For each Certificate of Honor .....	1 00

N. B.—All the above fees are payable in advance to the Registrar, and if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of \$1 per month will be imposed until the whole amount is paid.

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SECTION V.

TERMS.

1. The Academic Year consists of two Terms; the first (*Michaelmas*) extending from October 1st to December 23rd; and the second (*Easter*) from January 2nd to May 31st.

2. The term will not be allowed to students who have been reported to the President by any of the professors as neglecting to attend the required lectures, or who have not conformed to the statutes and regulations of the College; or have been reported to the Council for bad conduct.

## SECTION VI.

## EXAMINATIONS.

1. Matriculated students are required to attend all examinations prescribed by the professors and lecturers in their special departments.

2. Prizes and honors are awarded on the recommendation of the professors and lecturers, in accordance with the requirements prescribed by them in their several departments.

3. The examinations for both pass and honors in the University for all students of the Second and Third years, attending lectures in the University and University College will be conducted by the professors and lecturers, conjointly with associate examiners appointed by the Senate, at the same time as the University examinations for the First and Fourth years.

4. Non-matriculated students are not required to attend the examinations, unless they are candidates for prizes or honors, or desire to obtain certificates of attendance.

## SECTION VII.

## FELLOWSHIPS.

For the regulations relating to the appointment to Fellowships in the University and University College, *vide* pp. 30 and 79 under the heading "Fellows."

## SECTION VIII.

## SCHOLARSHIPS.

The following scholarships have been founded and endowed in University College, and are open for competition among the students in actual attendance in the College :

The MACDONALD SCHOLARSHIPS in Philosophy, one of the value of \$50 in the second year, and one of the value of \$60 in the third year. The gift of the late Hon. John Macdonald.

THE WILLIAM MULLOCK SCHOLARSHIP in Classics in the Second year. The gift of the Vice-Chancellor, of the value of \$60.

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THE GEORGE BROWN SCHOLARSHIP in Modern Languages in the Second year, founded in honour of the late Hon. George Brown, Senator, of the value of \$60.

THE JULIUS ROSSIN SCHOLARSHIP in the German Language, in the Third year, of the value of \$60. The gift of Julius Rossin, B.A.

MEDALS.

The following medals will be awarded to undergraduates in actual attendance as students in the College :

1. *Classics*, (in the Fourth Year.)

The McCaul Medal (Gold). The gift of the late W. H. C. Kerr, M.A., Gold Medallist in Classics of 1859.

2. *Modern Languages* (in the Third year.)

The Governor General's Medal (Silver). The gift of His Excellency Lord Stanley.

3. *Oriental Languages* (in the Fourth year.)

The Lyle Medal (Silver). The gift of the Central Presbyterian Church, Hamilton.

4. *Natural Sciences*.

The McMurrich Medal (Silver). The gift of W. B. McMurrich, M.A., Gold Medallist in Natural Sciences, of 1863, awarded on the recommendation of the Natural Science Association.

The Cawthorne Medal. The gift of F. T. Shutt, M.A., Silver Medallist in Natural Sciences, 1885, awarded on the recommendation of the Natural Science Association.

PRIZES IN BOOKS.

THE FREDERICK WYLD Prize, the gift of F. Wyld, Esq., of the annual value of \$25, for English Composition, is open for competition among all Students of the Third and Fourth years in attendance on Lectures.

THE FALCONBRIDGE Prize, the gift of the Hon. Mr. Justice Falconbridge, M.A., of the annual value of \$15, for French Composition, is open for competition among matriculated students of all years in attendance on Lectures.

In addition to these a number of prizes are offered for competition, by members of the Faculty, in individual subjects in particular years. The full list of prizes is on the next page.

*List of Prizes in the various Departments, open for competition among the matriculated Students in actual attendance on Lectures in University College:*

SUBJECT.	VALUE.				DONORS.
	1st Year.	2nd Year.	3rd Year.	4th Year.	
Classics .....	.....	.....	.....	.....	Prof. Hutton and Mr. Dale.
English Composition— (The Frederick Wyld Prize).....	\$10 00	\$10 00	\$10 00	.....	
French Composition— (The Falconbridge Prize).....	.....	.....	.....	\$25 00	F. Wyld, Esq.
History .....	\$10 00	\$10 00	.....	.....	Hon. Mr. Justice Falconbridge. The President.
Chemistry .....	.....	.....	\$15 00	\$10 00	Prof. Pike.
Biology .....	.....	.....	.....	.....	W. Oldright, M.A., M.D.
Mineralogy and Geology .....	.....	\$5 00	\$10 00	.....	Prof. Chapman.

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## MATRICULATED UNDERGRADUATES-

IN ATTENDANCE DURING SESSION 1890-1.

## FOURTH YEAR.

Armour, D. J.	Leacock, S. B.
Ball, G. A.	Lillie, F. R.
Ballah, R. W.	Logie, G.
Breckenridge, J. C.	McCrae, T.
Briggs, A. W.	McGee, D.
Buckingham, W. E.	McIntosh, W. R.
Bunnell, Miss E.	Mackay, J. G.
Burson, G. B.	McKechnie, J. G.
Carling, I. R.	McKellar, J.
Carter, Miss J. W.	McKinnon, A. J.
Cockburn, H. Z. C.	MacLaren, J. P.
Cooper, W.	McLay, W. S. W.
Cowie, W.	McNicol, J.
Currie, M.	McOuat, Miss M. E.
Dillane, W.	Malcheff, T. G.
Dockray, T. D.	Malloch, W. J. O.
Doidge, T. C.	Mann, A. J.
Donald, D.	Meldrum, A. D.
Dwyer, H. A.	Mill, W. J.
Fasken, A.	Mowat, A.
Ferguson, G. H.	Munro, C. N. (e.)
Ferguson, H. M.	Naylor, J. L.
Godfrey, J. M.	Nichols, L.
Graham, G. T.	Nie, R. F.
Hammill, G.	Norman, E.
Hardie, W.	Northwood, A. P. (e.)
Harris, W. H.	Perry, N. I.
Harrison, E. A.	Phelps, Miss F.
Henderson, R.	Phillips, W. A. (e.)
Howard, J. F.	Platt, Miss C.
Hunter, A. J.	Pope, H. C.
Johnston, G. L.	Rand, W. E.
Johnston, W. R.	Robinson, G. W.
Jones, Miss L. L.	Rose, H. E.
Keys, Miss F. V.	Rose, Miss J. M.
Kirkpatrick, A. T.	Rose, R. C.
Laing, G.	Ross, D.

Ross, Miss N.  
 Rothwell, S. J.  
 Sale, J.  
 Scott, J. S.  
 Scott, J. M.  
 Sinclair, G. S.  
 Smith, T. B.  
 Standing, T. W.  
 Stewart, A. M.  
 Stringer, I. O.  
 Stuart, C. A.

Teskey, Miss E. A.  
 Thacker, Miss C. L.  
 Thompson, R. M.  
 Treleavan, J. W.  
 Walker, D.  
 Watson, W. G.  
 Watt, Miss L. G.  
 Watterworth, Miss M. D.  
 Wilson, J.  
 Wilson, U. M.  
 Young, G. S.

## THIRD YEAR.

Addison, W. L. T.  
 Annis, Miss M.  
 Badgerow, G. A.  
 Barker, R. K.  
 Bethune, C. J. R.  
 Borland, J. H. M.  
 Brown, D. C.  
 Brown, H. W. (e.)  
 Brown, F. C.  
 Bunting, W. H.  
 Burnett, J.  
 Cameron, A. W.  
 Cameron, J. C.  
 Chambers, A. D.  
 Climie, Miss J. (e.)  
 Clutton, W.  
 Coleman, W. W.  
 Coombs, E.  
 Cooper, J. A.  
 Cornyn, J. H.  
 Davis, F. D.  
 Duncan, R. K.  
 Edgar, O. P.  
 Elliot, G.  
 Evans, J. F.  
 Garden, A. W. S.  
 Garvin, J. L.  
 Gerrie, G.  
 Govenlock, W. M.  
 Graham, J. W.  
 Green, Miss L. L.  
 Hamilton, E.  
 Hare, Miss Z. U. B.  
 Haughton, E. J. B.  
 Head, G. R.  
 Hillock, Miss J. S.

Hoag, J. P. (e.)  
 Hooper, R. E.  
 Howell, H. A.  
 Hull, G. F.  
 Hume, W. C.  
 Idington, Miss F. C.  
 Kerns, F. A.  
 Knox, R. H.  
 Lafferty, A. L.  
 Lamont, J. H.  
 Lea, A.  
 Little, G. C.  
 Loughheed, G. E.  
 McClive, H. W. (e.)  
 McColl, D. P.  
 McCrae, J.  
 McCraney, G. E.  
 McDonald, G. L. (e.)  
 McDonald, W.  
 Macdonell, L. J. A.  
 MacGillivray, J. F.  
 McIntosh, J. W.  
 Mackenzie, Miss M. | A.  
 McLaughlin, A. E.  
 McLean, J. A.  
 McLennan, J. C.  
 McMurchy, J. A. (e.)  
 McQueen, W.  
 McTaggart, W. O. (e.)  
 Magee, F. A.  
 Martin, Miss H. L.  
 Merrill, B. W.  
 Merrill, E. B.  
 Mullin, A.  
 Murray, J. M.  
 Murray, T. (e.)

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Odell, J. W.	Shaw, W. J.
O'Hara, J.	Shipley, F. W.
Parks, W. A.	Sinclair, V. A.
Parr, T. J.	Skeele, J. E.
Payne, J. C.	Smale, F. J.
Perrin, F. E.	Smith, Miss S. M. (e.)
Percy, W. S.	Stanley, T. E. A.
Preston, T.	Tennant, J. H.
Ratz, J. H.	Thomson, D.
Reid, T. E.	Tucker, G. L.
Rogers, Miss E.	Vining, J.
Ross, A. S.	Wales, H. I.
Ross, Miss C.	Wheaton, J. W.
Ross, D. C.	Wilson, H. E.
Royce, A. H.	Wood, S. C.

SECOND YEAR.

Allan, F. B.	Davis, E. B.
Anderson, G. R.	Dobie, D. R.
Anderson, L. F.	Dow, J. A.
Armstrong, W. G. (e.)	Driscoll, W. H.
Balmer, Miss J.	Duncan, D. M.
Beatty, A.	Dundas, A. A.
Bell, A. G.	Dundas, H. L.
Bell, T.	Edwards, A. F.
Bell, T. A.	Faircloth, G. S.
Birkenthal, Miss H.	Fitzgerald, J. P.
Boles, A. T.	Fleming, Miss E. C.
Buchan, Miss M. H.	Frost, F. H. (e.)
Budge, A.	Garratt, Miss M.
Bull, W. P.	German, H. N.
Burchill, J. A.	Gillespie, W.
Burns, A. H.	Gillies, J. M. H.
Burton, E. S.	Glassey, D. A.
Campbell, D. L.	Green, J.
Clark, W.	Hamilton, Miss L. M.
Clark, W. C.	Hart, M. M.
Clary, J. H.	Harvey, W. A.
Colling, J. H.	Hellems, F. B.
Cook, G. E.	Heney, F. A.
Connor, A. W.	Henry, E. A.
Craig, B. A. C.	Hill, Miss E. A.
Cranston, J. A.	Horne, E. B.
Craw, A. W.	Howson, Miss E. B.
Crosby, F. G.	Hunt, T. A.
Cross, Miss B.	Island, J. L.
Cushing, A. B.	Jeffrey, Miss C. E.
Davidson, W. M.	Jenkins, R. S.
Davies, R. M. F.	Johnston, Miss M.

## SECOND YEAR.—Continued.

Jones, W. W.  
 Kellogg, F. S.  
 Kilgour, J. F.  
 Knox, W. J.  
 Landesborough, J.  
 Lane, W. B.  
 Lazier, E. F.  
 Leach, G.  
 Lindsay, Miss A.  
 Lindsay, G. A.  
 Ling, G. H.  
 Little, H. A.  
 Lye, Miss F. M.  
 McCaig, J. (e.)  
 McConochie, Miss C.  
 McDermott, G.  
 McDougall, J. L.  
 McDougall, N.  
 McKellar, H. S.  
 Mackenzie, K. W.  
 Mackenzie, P. E.  
 McLean, G. V. (e.)  
 McLennan, S. F.  
 MacMillan, A.  
 MacMillan, K. D.  
 McPherson, C. W.  
 McRae, A. A.  
 McRae, W. W.  
 MacVannel, J. A.  
 Mahood, E.  
 Manning, R. E.  
 Martin, J. A.  
 Mason, Miss E. (e.)  
 Montgomery, W. I.  
 Moore, H. A.  
 Moore, I. E.  
 Moore, L. A.  
 More, G.  
 Morrison, J. D.  
 Morrow, J. D.  
 Motz, W. J.  
 Muldrew, J. S. (e.)  
 Murphy, R. J.  
 O'Brien, Miss M.  
 O'Connor, L. V.  
 Orton, G. W.  
 Oughtred, Miss L. S. (m.)

Parker, W. R. P.  
 Parkinson, Miss L. D.  
 Patterson, C. B.  
 Patterson, Miss R.  
 Pettinger, P. J.  
 Phillips, J. D.  
 Pratt, C. B.  
 Reid, R.  
 Reid, R. L.  
 Reynolds, J. B. (e.)  
 Roach, W. F.  
 Roberts, T. H.  
 Robertson, Miss C. C. M.  
 Rosebrugh, R. M.  
 Ross, J. F. K.  
 Roxburgh, F. D.  
 Royce, G.  
 Sampson, H. E.  
 Scellen, J. A. (e.)  
 Scott, Miss B. M.  
 Selwood, F. S.  
 Shaw, J. D. (e.)  
 Silcox, S.  
 Simmons, W. C.  
 Spence, Miss F.  
 Stanbury, R. B. J.  
 Stoddart, R.  
 Strath, R. S.  
 Stuart, F. A.  
 Telfer, Miss N.  
 Thompson, G. H.  
 Walks, R. H.  
 Warren, J. M.  
 Watson, Miss L. L.  
 Watson, O. K.  
 West, W. J.  
 Whaley, S.  
 White, F. W.  
 White, P.  
 Willson, Miss T. M.  
 Wilson, E. B.  
 Wilson, J.  
 Wilson, P. E.  
 Young, Miss A. H.  
 Young, E. R.  
 Young, G. (m.)

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## FIRST YEAR.

Alway, F. J.	Gillis, E.
Arnold, G. (e.)	Gilmour, W. A.
Bain, J. W.	Glover, R. H.
Baird, J. W.	Goodwillie, F. B.
Barker, Miss E. G.	Grant, Miss J. (e.)
Bayne, Miss M. W.	Green, L. A.
de Beauregard, Miss E.	Greene, F. T.
Bigelow, F. E.	Gregory, A. R.
Birge, A.	Griffith, J.
Blyth, J. T.	Hamilton, J. C.
Boddy, C. A. S.	Harrison, E. S.
Bond, A. A. C.	Harvey, B. C. H.
Boulton, W. M.	Henderson, C. C.
Brock, R. W.	Howell, W. B.
Brown, Miss E. M.	Hughes, V. J.
Brown, J. J.	Jackson, J. A.
Brown, J. H.	James, G. M. (e.)
Bruce, J. H.	James, W. E. (e.)
Buchanan, W. A.	Kenrick, F. B.
Burns, W. H.	Kerr, H. T.
Burton, W.	Kingsmill, H. R.
Campbell, W. A. (e.)	Kingsmill, Miss M. G. (e.)
Carpenter, A. A.	Kingstone, H. G.
Carroll, W. S.	Langford, W. A.
Chapman, W. J.	Langley, E. F.
Chrysler, M. A.	Langrill, A. S.
Clarke, J. A.	Lapsley, N. T. (e.)
Clubine, F. O.	Lash, W. M.
Cluff, Miss L. M.	Lawson, Miss B. M.
Cowan, Miss J. E.	Lehmann, C. A. K.
Crew, Miss H. L.	Levy, G. H.
Cronyn, W. H.	Lingelbach, W. E.
Cross, C. W.	Livingstone, Miss L.
Death, H. M.	Lynde, C. J. (e.)
Decow, Miss N.	McBride, Miss S. M.
Docker, W. A.	McCallum, W. G.
Doherty, J. P.	McDonald, N. A.
Dunbar, G. E.	McGuigan, J. C.
Eddy, A. C.	McKay, T. W. G.
Farrer H.	McKechmie, N.
Fielding, J. H.	MacMillan, H. S.
Fletcher, J.	MacPherson, A. W.
Fowlie, D. A.	Maitland, D.
Fraser, J. T.	Mayburry, W. F.
Fry, F. D. (e.)	Millichamp, G. E.
Gardiner, M. H.	Morris, E. G.
Gardiner, Miss M. L.	Moss, C. A.
Gillespie, W. H.	Murray, F. A.

## FIRST YEAR.—Continued.

Nivins, C.	Souter, D. A.
O'Malley, H. R. A.	Stark, W. J.
Partridge, H. L.	Stewart, C. C.
Pearce, F. S.	Stone, S. G.
Pease, W. H.	Tait, N. J.
Quantz, J. O.	Terrill, A. J.
Reeve, W. P.	Terry, D. W.
Reid, E. E.	Thompson, J. F.
Robertson, Miss M. L.	Topping, Miss E.
Robinson, H.	Trench, W.
Roger, R. R.	Trotter, W. C.
Rolls, A.	Trounce, J. W.
Ruddlen, G. W.	Waines, W. L.
Russell, J. W.	Watson, T. G.
Scott, P.	Weaver, W. J.
Semple, H. A.	Webster, J. D.
Sharp, S. S.	Weir, Miss A.
Silcox, W. L.	White, J. C. L.
Sissons, H. J.	Wigle, Miss L. A.
Smith, G. L.	Williams, W. H.
Smith, J. C.	Wilson, G. (e.)
Smith, J. J.	Wood, Miss J. T.
Snell, J. F.	Woods, S. B.

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Aylwin,  
Booth, V  
Brown, C  
Bryan, J  
Capp, E.  
Cameron  
Charlton  
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Cole, J.  
Craw, G  
Currie, J  
Dent, W  
Dickie,  
Dodds,  
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Durand,  
Ellison,  
Ewing,  
Fairchil  
Forster,  
Fraser,  
Gould, J  
Graham  
Hagarty  
Hall, W  
Huston,  
Jackson  
Jeffrey,  
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Knowle  
Lamb, C  
Lash, F  
Lawren  
Lowry,  
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McKay

NON-MATRICULATED AND OCCASIONAL  
STUDENTS.

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Anderson, P. W., 1.	McKenzie, J. A., 2.
Aylwin, H. C., 1.	McKinnon, N. D., 2.
Booth, W. E., 1.	McLean, E., 2.
Brown, C. H., 1.	McLean, L., 2.
Bryan, J. T., 1.	McLean, S. J., 1.
Capp, E. H., 1.	Maclean, W. A., 1.
Cameron, R. F., 1.	Macpherson, H. A., 1.
Charlton, W. G. (e.)	Marsh, T. J., 1.
Cockburn, R. T., 1.	Menzies, J., 2.
Cole, J. M., 2.	Menzies, T., 1.
Ciaw, G., 3.	Mills, G. (e.), 2.
Currie, P. W., 2.	Moore, W. H., 1.
Dent, W. A., 1.	Morrison, W. A., 2.
Dickie, R. W., 1.	Nichol, R., 1.
Dodds, W. C., 2.	Nixon, S. O., 1.
Dufresne, J. M. (e.), 1.	Patterson, J. J., 2.
Durand, Miss E. A., 1.	Pogue, R., 2.
Ellison, W. T., 2.	Radford, J., 1.
Ewing, W. C. (e.), 1.	Reid, J. G., 1.
Fairchild, E. E., 1.	Rose, Miss J. M., 1.
Forster, J. C., 2.	Rowson, H. R., 3.
Fraser, J. H., 1.	Sheraton, R. W. W., 1.
Gould, S., 1.	Sinclair, P. F., 1.
Graham, H. A., 1.	Skene, J., 2.
Hagarty, A. E., 2.	Smith, W. G., 2.
Hall, W. T., 2.	Softley, E., 2.
Huston, E. R., 1.	Switzer, Miss M.
Jackson, A. G., 1.	Tough, C. T., 3.
Jeffrey, J. D., 1.	Walker, R. A., 1.
Johnston, W., 3.	Webster, A. F., 3.
Knowles, P. C., 1.	Wickett, Miss F. G.
Lamb, G. L., 1.	Wilkinson, F., 2.
Lash, F., 2.	Williams, Miss J. M., 2.
Lawrence, S., 2.	Williams, Miss M. L., 2.
Lowry, C. H., 3.	Williamson, C. R., 2.
McConochie, R. G., 2.	Withrow, Miss F. E. W., 1.
McCullough, T., 2.	Wright, W. S., 1.
McKay, W. M., 1.	

## COURSES OF STUDY FOR DEGREES IN ARTS AND LAW.

### DEPARTMENTS OF INSTRUCTION.

For the convenience of students availing themselves of the instructions of the professors and lecturers of the University and University College, the courses of study of both Faculties, in Arts and in Law, are included in the following statement.

In the division of work between the Faculties of the University and College, the subjects of instruction are assigned as follows:—

#### UNIVERSITY PROFESSORIATE.

*History*: SIR DANIEL WILSON, LL.D., F.R.S.E.

*Physics*: JAMES LOUDON, M.A.

*Mathematics*: ALFRED BAKER, M.A.

*Mineralogy and Geology*: E. J. CHAPMAN, Ph.D., LL.D.

*Biology*: R. RAMSAY WRIGHT, M.A., B.Sc.

*Chemistry*: W. H. PIKE, M.A., Ph.D.

*Philosophy*: JAMES MARK BALDWIN, M.A., Ph.D.

*History of Philosophy*: JAMES GIBSON HUME, M.A., Ph.D.

*Comparative Philology*: MAURICE HUTTON, M.A.

*Italian and Spanish*: W. H. FRASER, B.A.

*Political Economy and Constitutional History*: W. J. ASHLEY, M.A.

*Constitutional and International Law*: HON. DAVID MILLS, LL.B.,  
Q.C.

*Roman Law*: HON. MR. JUSTICE PROUDFOOT.

#### UNIVERSITY COLLEGE.

*Greek*: MAURICE HUTTON, M.A., Professor.

H. R. FAIRCLOUGH, M.A., Lecturer and Lecturer in Ancient  
History (Greek).

*Latin*: W. DALE, M.A., Lecturer and Lecturer in Ancient History  
(Roman).

*Oriental Literature*: J. F. MCCURDY, Ph.D., Professor.

*English*: W. J. ALEXANDER, B.A., Ph.D., Professor.

D. R. KEYS, M.A., Lecturer.

*German*: W. H. VANDERSMISSEN, M.A., Lecturer.

*French*: J. SQUAIR, B.A., Lecturer.

*Ethics*: JAMES GIBSON HUME, M.A., Ph.D., Professor.

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DEPARTMENT OF CLASSICS.

§ 1.

GREEK.

MAURICE HUTTON, M.A., *Professor.*

(Formerly Fellow of Merton College, Oxford.)

H. RUSHTON FAIRCLOUGH, M.A., *Lecturer.*

(Formerly Fellow of Johns Hopkins University.)

Subjects of examination and of lectures :

FIRST YEAR.

PLATO, *Laches.*

HOMER, *Odyssey, IX, X.*

\*THUCYDIDES, I.

\*HOMER, *Odyssey, XV, XVI.*

Translation from English into Greek prose.

Greek grammar and \*philology. (Text-book for philology—King & Cookson, abridged edition.)

Translation with aid of dictionaries of easy passages from Greek authors not specified.

\*Translation from Greek authors not specified.

SECOND YEAR.

SOPHOCLES, *Antigone.*

DEMOSTHENES, *de Falsa Legatione.*

\*EURIPIDES, *Bacchae.*

\*ARISTOPHANES, *Clouds.*

\*THUCYDIDES, II.

Translation from English into Greek prose.

Greek grammar and \*philology. (Text-book for philology—King & Cookson, abridged edition.)

\* Only for Candidates for Honors.

Translation with aid of dictionaries of easy passages from Greek authors not specified.

\*Translation from Greek authors not specified.

\*Greek History to the end of the Peloponnesian War:

COX : General History of Greece. (Students' Series.)

COX : Greeks and Persians. (Epoch Series.)

COX : Athenian Empire. (Epoch Series.)

### THIRD YEAR.

XENOPHON, Memorabilia, II, III, IV.

ARISTOPHANES, Knights.

\*PLATO, Republic, I, II, III, IV.

\*ARISTOTLE, Nicomachean Ethics I, II, III, IV.

\*ARISTOPHANES, Acharnians.

\*SOPHOCLES, Ajax.

\*THUCYDIDES, VII.

Translation from English into Greek Prose.

Greek grammar and \*philology. (Text-book for philology—King & Cookson, abridged edition.)

Translation with aid of dictionaries of easy passages from Greek authors not specified.

\*Translation from Greek authors not specified.

\*Greek history : The supremacy of Sparta and Thebes, with a study of the original sources ; SANKEY, Spartan and Theban Supremacies (Epoch Series).

### FOURTH YEAR.

ÆSCHYLUS, Prometheus.

PLATO, Meno.

\*HERODOTUS, Bb. VII, VIII, IX.

\*THUCYDIDES, Bb. I, II, III, VI, VII, VIII.

\*ÆSCHINES, against Ctesiphon.

\*DEMOSTHENES, on the Crown.

\*ARISTOTLE, Ethics, Bb. I, II, III, IV, X (from chap. 6 to end inclusive).

Politics, I, II, III.

Rhetoric, Bk. II (chapters 1-17 inclusive).

\*PLATO, Apology.

Republic, Bb. I, II, III, IV, VII, VIII, IX, X.

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\*HOMER, Iliad, Bb. VI, IX, XXII.

Odyssey, Bb. IX, XVII, XXI.

\*ÆSCHYLUS, Prometheus, and Agamemnon.

\*SOPHOCLES, Ajax, and Antigone, and Œdipus Rex.

\*EURIPIDES, Ion.

\*ARISTOPHANES, Frogs.

\*THEOCRITUS, Idylls, XIII, XV, XXI, XXIV.

Translation from English into Greek prose.

Greek grammar and \*philology. (Text-book for philology—King & Cookson, abridged edition.)

Translation with aid of dictionaries of easy passages from Greek authors not specified.

\*Translation from Greek authors not specified.

\*Greek History : Questions based on the Greek authors read.

NOTE.—Honor candidates of the fourth year are not required to take the pass papers of the year.

\* Only for Candidates for Honors.

## § 2.

## LATIN.

WILLIAM DALE, M.A., *Lecturer.*G. A. H. FRASER, M.A., *Fellow.*

Subjects of examination and of lectures :

## FIRST YEAR.

CICERO, Pro Archia (Reid), Pro Lege Manilia (Wilkins),  
and Pro Marcello.

VIRGIL, Æneid III, IV.

\*CICERO, Pro Sulla (Reid) and Pro Milone (Purton).

\*VIRGIL, Georgics, II, III.

Translation from English into Latin Prose.

Latin grammar, and \*philology. (Text-book for philology—King  
and Cookson, abridged edition.)Translation with aid of dictionaries of easy passages from Latin  
authors not specified.

\*Translation from Latin authors not specified.

## SECOND YEAR.

LIVY B. IV.

VIRGIL, Æneid, V, VI.

\*TACITUS, Histories, II.

\*HORACE, Odes, Epistles, and Ars Poetica (Wickham).

Translation from English into Latin prose.

Latin grammar and \*philology (Text-book for philology—King  
and Cookson, abridged edition).Translation with aid of dictionaries of easy passages from Latin  
authors not specified.

\*Translation from Latin authors not specified.

\*Roman History, to the end of the War with Pyrrhus—MOMMSEN,  
Bks. I, II, (*i.e.*, vol. I).

## THIRD YEAR.

TACITUS, Agricola and Germania.

JUVENAL, Satires, I, III, IV, V, VII.

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\*LIVY, XXI-XXIV, inclusive.

\*CICERO, De Finibus, I, II.

\*TACITUS, Annals, I, II.

\*PLAUTUS, Captivi, and Trinummus.

\*JUVENAL, Satires, VIII, X, XI, XII, XIII.

Translation from English into Latin prose.

Latin grammar and \*philology (Text-book for philology—King and Cookson, abridged edition).

Translation with aid of dictionaries of easy passages from Latin authors not specified.

\*Translation from Latin authors not specified.

\*Roman History, First Punic War to the Macedonian War (B.C. 264—168)—MOMMSEN, Bk. III (i.e., vol. 11).

FOURTH YEAR.

TACITUS, Annals, XI.

PLINY, Panegyricus.

\*SALLUST, Catiline.

\*TACITUS, Annals, Bb. I, II, III, IV, V, VI.

\*CICERO, De Oratore, I, II, (Wilkins).

Academica (Reid).

Select Letters, Parts I, IV, V, (Watson).

\*VIRGIL, Æneid, Bb. II, IV, VI.

Georgics.

\*CATULLUS (Simpson's Selections).

\*PROPERTIUS (Postgate's Selections).

\*MAERTIAL (Stephenson's Selections).

\*QUINTILIAN, Bk. X.

Translation from English into Latin prose.

Latin grammar and \*philology (Text-book for philology—King and Cookson, abridged edition).

Translation with aid of dictionaries of easy passages from Latin authors not specified.

\*Translation from Latin authors not specified.

\*Roman History : Questions based on the authors read.

\*Post-Aristotelian Philosophy : Questions based on the authors read.

NOTE.—Honor candidates of the Fourth year are not required to take the pass papers of this year.

\* Only for Candidates for Honors.

BOOKS RECOMMENDED FOR ORDINARY USE, OR FOR OCCASIONAL REFERENCE IN THE LIBRARY.

- Philology*: King & Cookson (abridged edition); Delbruck, Introduction to the Study of Language - Ginn, Heath & Co., Boston; Whitney, Language and the Study of Language; Peile's Introduction to Greek and Latin Etymology, 3rd edition; Müller's Lectures on the Science of Language, 1st series; G. Curtius's Outlines of Greek Etymology; Curtius's Greek Verb; Leo Meyer's Comparative Grammar; Brugman's Comparative Philology; Henry's Comparative Grammar of Greek and Latin.
- Grammar*: Jelf's Greek Grammar; Curtius's Student's Greek Grammar; Madvig's and Roby's Latin; Madvig's Greek Syntax; Goodwin's Greek Moods and Tenses and Greek Grammar.
- Dictionaries*: Liddell and Scott's Greek (7th ed.); Andrew's Latin Dictionary; Harper's Latin Dictionary; Facciolati's Lexicon.
- Literary History*: Brown's Greek and Roman Classical Literature; Mahaffy's Greek Literature; Teuffel's History of Roman Literature; Cruttwell's History of Roman Literature; Sellar's Roman Poets of the Republic; Sellar's Virgil; Abbott's Hellenica. (Mure's and Müller's Greek). Donaldson's Theatre of the Greeks; Coleridge's Introduction to the Greek Classic Poets; Symond's Studies of the Greek Poets; Geddes's Homeric Problem; Jebb's Attic Orators; Wilkins's Homer and the Homeric Question; Jebb's Homer.
- Biography and Mythology*: Smith's Dictionary. (Cox's Aryan Mythology.)
- Ancient Philosophy*: Zeller's Pre-Socratic Philosophy; Zeller's Socrates; Zeller's Plato; Zeller's Stoics, Epicureans and Sceptics; Zeller's Eclectic Philosophy; Grant's Aristotle's Ethics; Mayor's History of Ancient Philosophy; Benn's Greek Philosophers; Ferrier's Lectures on Greek Philosophy; Pater's Marius the Epicurean; Capes's Stoics; Wallace's Epicureanism.

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DEPARTMENT OF MODERN LANGUAGES.

§ 3.

ENGLISH LANGUAGE AND LITERATURE.

*Professor*: W. J. ALEXANDER, Ph.D.

*Lecturer*: DAVID R. KEYS, M.A.

Subjects of examinations and lectures :—

FIRST YEAR.

I. Reading of the following works of Shakespeare, with lectures thereon: Richard II, Merchant of Venice, King Lear.

II. Rhetoric and composition together with an examination of the prose style of the following essays, to be found in the collection of Representative Essays (Putnam, N. Y.):

LOWELL: On a certain Condescension in Foreigners.

CARLYLE: History.

MACAULAY: History.

FROUDE: The Science of History.

FREEMAN: Race and Language.

GLADSTONE: Kin beyond the Sea.

III. At the examination an essay will be required on one of a number of assigned subjects, some of which will be based on the works prescribed in Literature.

FOR HONORS.

Reading of Sweet's Anglo-Saxon Primer, and of Spenser's Faerie Queene, Book I, Cantos VII, VIII, X, XI.

SECOND YEAR.

The development of the English language :—

The place of English in the Indo-European family. Grimm's and Verner's Laws. Dialects of English. Historical outlines of phonology, accidence and syntax.

## FOR HONORS.

Reading of Chaucer's Prologue, Knight's Tale, Nun's Priest's Tale, and Morris's Specimens of Early English, Extracts I-IX.

## THIRD YEAR.

The History of English Literature from Dryden to Wordsworth (1660-1793). The lectures presume a careful study of the works of this period enumerated below, and in as far as time permits, these works will be specially treated in the class.

DRYDEN: Hind and Panther, Pts. I and III; Ode to Anne Killigrew; Lines to Congreve; Prose preface to the "Fables."

ADDISON: The essays contained in sections I, II, V, VI, VIII, of the Clarendon Press selections.

POPE: Rape of the Lock; Essay on Man, Epistle I.

SWIFT: Voyage to Brobdingnag.

THOMSON: Summer; Castle of Indolence, Canto I.

COLLINS: Odes to Pity, on the Death of Mr. Thomson, on the Passions, on Popular Superstitions.

JOHNSON: Vanity of Human Wishes; Life of Dryden.

GOLDSMITH: The Traveller; She Stoops to Conquer.

GRAY: Elegy; Progress of Poesy; On a distant prospect of Eton College.

BURKE: Conciliation with America.

COWPER: The Task, Book IV.

## FOR HONORS.

Reading of Sweet's Anglo-Saxon Reader, and of Shakespeare's Henry V.

## FOURTH YEAR.

A general acquaintance with the work of specified writers of the 19th century will be required for examination, and an intimate knowledge of the following selected works, as well as of such of their poems as are included in Palgrave's Golden Treasury of Songs and Lyrics.

WORDSWORTH: Michael; Tintern Abbey; Resolution and Independence; The Old Cumberland Beggar; Influence of Natural Objects.

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**COLERIDGE:** *The Ancient Mariner*; *The Line Tree Bower*; *France*; *Dejection*; *Fears in Solitude*; *Biographia Literaria*, chaps. 4, 14, 17, 18, 19, 20, 22.

**SCOTT:** *The Lay of the Last Minstrel*; *Old Mortality*.

**SHELLEY:** *Alastor*; *Adonais*.

**KEATS:** *To a Grecian Urn*; *Eve of St. Agnes*.

**TENNYSON:** *In Memoriam*; *The Lady of Shalott*; *Dora*.

**BROWNING:** *Epistle to Karshish*; *The Bishop orders his Tomb*; *Caliban*; *The Lost Leader*; *Up at a Villa*.

**CARLYLE:** *Lectures on Heroes*, 3, 5, 6; *Essay on Burns*, and *on Boswell's Life of Johnson*.

**RUSKIN:** *A Crown of Wild Olive*.

**THACKERAY:** *Pendennis*.

In the class the leading characteristics of these authors, their connection with one another and with their time will be exemplified by lectures and by the study of selected works. It will be impossible to read in class all the works mentioned above, but the lecturer will assume that the students have, in private, made themselves familiar with the specified selections.

FOR HONORS.

The history of Elizabethan and early Stuart literature (1558-1642).

The following works are to be studied critically:

**SPENSER:** *Faerie Queene*, Bk. II.

**SHAKESPEARE:** *Romeo and Juliet*; *Henry IV*, Pts. 1 and II; *Hamlet*; *Two Noble Kinsmen*.

**MILTON:** *Paradise Lost*, Bks III-IV; *Hymn on the Nativity*; *Paradise Regained*, Bk. I.

The following works are to be read carefully:\*

**SIDNEY's** *Apology for Poetry*; **BACON's** *Essays*, and *Advancement of Learning*; **HOOKE's** *Ecclesiastical Polity*, Bk. I; **MARLOWE's** *Tamburlaine*, Pt. I. *Faustus*, and *Edward II*; **GREENE's** *Friar Bacon and Friar Bungay*; **JONSON's** *Every Man in his Humour*; the selections from **WYATT to SHIRLEY**, in *Ward's English Poets*; **SPENSER's** *Faerie Queene*, Bks. I, II; **MILTON's** *Paradise Lost*, I-IV, VII, *Hymn on the Nativity*, *L'Allegro*, *Il Penseroso*, *Lycidas*, *Comus*, *Paradise Regained*, and *Samson Agonistes*.

\* In the case of these works, only such knowledge will be demanded at the examination as the candidate may reasonably be expected to attain from his own study of the simple text, without the aid of annotated editions.

The work in the class will be devoted chiefly to the study of the selections mentioned above; there will be occasional lectures on the general tendencies of literature during the period. Each candidate for honors is expected to select for special study some subject connected with the honor or pass work, and to read an essay thereon before the class.

## BOOKS RECOMMENDED.

Saintsbury's History of Elizabethan Literature; Gosse's Eighteenth Century Literature, or Craik's English Literature; Stopford Brooke's Primer of English Literature; Dowden's Shakespeare Primer; Abbott's Shakespearian Grammar; Clarendon Press, or Rolfe's annotated edition of the separate plays of Shakespeare; Sidney's Apology for Poetrie, in the Pitt Press Series; Jonson's Every Man in his Humour, in London classics (Longmans); Clarendon Press annotated editions of other select works; Matthew Arnold's selections from Wordsworth (Golden Treasury Series); Tamburaine in englische Sprach- und Literaturdenkmale (Henninger, Heilbronn); scholarly, cheap and convenient editions of the poetical works of Shakespeare, Spenser, Milton, Dryden, Pope, Cowper and Goldsmith (including prose works) are contained in Macmillan's Globe Library; Shelley's and Wordsworth's complete poetical works published by Macmillan (\$1.75 each); selections from Browning, First Series (Smith, Elder & Co.); Lounsbury's History of the English Language; Genning's or Bain's Rhetoric.

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§ 4.

FRENCH.

*Lecturer* : JOHN SQUAIR, B.A.

*Fellow* : W. C. P. BREMNER, B.A.

Subjects of examination and of lectures :

FIRST YEAR.

Grammar ; writing easy French from dictation ; translation from English into French ; translation of unspecified passages from easy modern French prose. An examination on the following texts :

SOUVESTRE, *Un Philosophe sous les toits*.

LABICHE, *Le Voyage de Monsieur Perrichon*.

FOR HONORS.

Translation of unspecified passages from modern French authors ; translation from English into French. An examination on the following texts :

PONSARD, *L'Honneur et l'Argent*.

LAMARTINE, *Graziella*.

HALÉVY, *L'Abbé Constantin*.

SECOND YEAR.

Grammar ; writing French from dictation ; translation from English into French ; translation of unspecified passages from modern French authors. An examination on the following texts :

AUGIER, *Le Gendre de Monsieur Poirier*.

ABOUT, *Le Roi des montagnes*.

SCRIBE, *La Somnambule*.

FOR HONORS.

Composition in French ; translation of unspecified passages from modern French authors ; translation from English into French. An examination on the following texts :

SAND, *La Petite Fadette*.

SAINTE-BEUVE, *Chateaubriand et son groupe littéraire sous l'empire, Leçons V-IX*.

DAUDET, *Tartarin sur les Alpes*.

## THIRD YEAR.

Grammar ; writing French from dictation ; translation from English into French ; translation of unspecified passages from modern French authors ; history of French literature in the 17th century, with outlines of the preceding periods. An examination on the following texts :

MOLIÈRE, *Le Bourgeois gentilhomme*.

CORNEILLE, *Le Cid*.

RACINE, *Iphigénie*

LA BRUYÈRE, *Caractères* (*De l'Homme*, and *Des Ouvrages de l'esprit*).

LA FONTAINE, *Fables*, Bks. IV-VI.

BOSSUET, *Oraisons funèbres* (on *Marie Thérèse d'Autriche*, and *Louis de Bourbon Prince de Condé*).

## FOR HONORS.

Composition and conversation in French ; translation from English into French ; translation of unspecified passages from authors subsequent to the 16th century ; old French grammar ; elements of French phonology. An examination on the following :

JOINVILLE, *Vie de Saint Louis* (*Paris' Extraits de la Vie de Saint Louis*).

SAINTSBURY, *French Lyrics*, Ronsard to the end.

MOLIÈRE his life and times, and the following works :

*Les Précieuses ridicules*, *Les Facheux*, *Le Tartuffe*,  
*L'Avare*, *Le Misanthrope*, *Monsieur de Pourceaugnac*,  
*Le Malade imaginaire*.

## FOURTH YEAR.

Grammar ; composition ; writing French from dictation ; translation from English into French ; translation of unspecified passages from modern French authors ; history of French literature during the 18th and 19th centuries. An examination on the following texts :

VOLTAIRE, *Alzire*.

MONTESQUIEU, *Grandeur et Décadence des Romains*.

CHATEAUBRIAND, *René*.

HUGO, *Les Voix intérieures*.

DUMAS, *Henri III et sa Cour*.

BALZAC, *Le Médecin de campagne*.

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## FOR HONORS.

Composition and conversation in French ; translation from English into French ; translation of unspecified passages from French authors of any period ; history of the French language. An examination on :

CHANSON DE ROLAND (Clédât's edition) lines 1-2396.

SAINTSBURY, French Lyrics, to Marot inclusive.

VICTOR HUGO, his life and times, and the following works :

Les Feuilles d'automne, La Légende des siècles (Vol. I), Cromwell, Hernani, Les Misérables (5th part, Jean Valjean), Les Travailleurs de la mer, Histoire d'un crime.

## § 5.

## GERMAN.

*Lecturer* : W. H. VANDERSMISSEN, M.A.

*Fellow* : G. H. NEEDLER, B.A., PH. D.

Subjects of examination and lectures :

## FIRST YEAR.

Grammar ; writing easy German from dictation ; translation from English into German ; translation of unspecified passages from modern German prose. An examination on the following texts :

MOSER, *Der Bibliothekar*.

SCHILLER, *Egmont's Leben und Tod*.

AUERBACH, *Auf Wache*.

Candidates in the honor departments of Chemistry and Mineralogy and Natural Sciences may substitute HODGES' Course in Scientific German, Part I., for SCHILLER'S "Egmont" and AUERBACH'S "Auf Wache."

## FOR HONORS.

Grammar ; translation of unspecified passages from recent and not difficult German authors ; translation from English into German. An examination on the following texts :

SCHILLER, *Maria Stuart*.

LESSING, *Minna von Barnhelm*.

MUSÄUS, *Stumme Liebe*.

## SECOND YEAR.

Grammar ; writing German from dictation ; translation from English into German ; translation of unspecified passages from recent German authors ; history of German Literature : Goethe and Schiller. An examination on the following texts :

GOETHE, *Minor poems* (ed. Sonnenschein).

GOETHE, *Iphigenie auf Tauris*.

SCHILLER, *Lyrical poems* (ed. Turner and Morshead).

SCHILLER, *Ausgewählte Briefe an Goethe* (ed. Buchheim).

Candidates in the Honor departments of Chemistry and Mineralogy, and Natural Sciences may substitute HODGES' Course in Scientific German, Part II, for SCHILLER'S "Briefe an Goethe."

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Candidates in any Honor department (except that of Modern Languages) who are required to take Pass German of the second year may select any three of the above texts for examination.

## FOR HONORS.

Composition in German ; translation of unspecified passages from authors of the 18th and 19th centuries ; translation from English into German ; outlines of German literature, leading authors from Klopstock to Goethe, inclusive. An examination on the following texts :

LESSING, Nathan der Weise.

SCHILLER, Geschichte des dreissigjährigen Krieges, Bk. III.

HERMANN GRIMM, Novellen—Die Sängerin, Cajetan, Das Kind.

## THIRD YEAR.

Grammar ; writing German from dictation ; translation from English into German ; translation of unspecified passages from modern German authors ; history of German literature in the 18th and 19th centuries. An examination on the following texts :

SCHILLER, Don Carlos.

GOETHE, Leiden des jungen Werthers.

AUERBACH, Edelweiss.

## FOR HONORS.

Composition and conversation in German ; translation from English into German ; translation of unspecified passages from any modern High German author.

History of the German Language : Behaghel, Geschichte der deutschen Sprache. Elements of Middle High German Grammar. Selections in Middle High German : HARTMANN VON AUE, Der arme Heinrich.

History of German literature in the 16th, 17th, and 18th centuries, with selections from German authors of that period ; Wackernagel, Deutsches Lesebuch, Theil II-IV.

GOETHE, his life and times to the end of the 18th century. Candidates will be required to give evidence of having read Goethe's principal works during this period ; his chief poems, romances, and dramas produced before 1800, including the first part of Faust as completed. The following works are recommended for special perusal :—Götz von Berlichingen ; Leiden des jungen Werthers ; Torquato Tasso ; Hermann und Dorothea ; Faust, Pt. I ; Poems ; Römische Elegien ; Venezianische Epigramme. (Hempel's edition of Goethe's Works is recommended.)

## FOURTH YEAR.

Grammar; writing German from dictation; translation from English into German; translation of unspecified passages from modern German authors; history of German literature prior to the 18th century. An examination on the following texts:

SCHILLER, *Wallenstein*.

HEINE, *Prosa* (ed. Colbeck).

WILDENBRUCH, *Neue Novellen*.

GOETHE, *Faust*, Pt. I.

## FOR HONORS.

Composition and conversation in German; translation from English into German; translation of unspecified passages from High German authors of any period.

Comparative and historical grammar of the German language. Grammar and phonology of Old and Middle High German. Modern High German phonology, accent and syntax, considered in their growth and development from the Old High German period: Brandt. *German Grammar* (last edition); Wright, *Old and Middle High German Primers*.

Selections from Old and Middle High German authors: Wright, *Old High German Primer*; Wackernagel, *Kleineres Altdeutsches Lesebuch*.

History of German literature prior to the 16th century.

Candidates will also be required to show a reasonable acquaintance with the life of GOETHE, and to give evidence of having read his principal literary works, particularly those produced in the 19th century; also his correspondence with Schiller. The following works are recommended for perusal: *Faust*, Pt. II, especially Acts III. and V.; *Wilhelm Meister's Lehrjahre*, Bks. II, V, VI; *Dichtung und Wahrheit*, Bks. X, XI; *Wahlverwandschaften*; *Westöstlicher Divan*.

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## § 6

## \*ITALIAN.

Lecturer : W. H. FRASER, B.A.

Fellow :

Subjects of examination and lectures :

## FIRST YEAR.

Elementary grammar ; translation into Italian of short English sentences involving an elementary knowledge of grammatical forms and structure, and the formation in Italian of sentences of similar character. An examination on the following text :

DE AMICIS, Cuore (I Racconti mensili).

## SECOND YEAR.

Grammar ; writing Italian from dictation ; translation at sight of easy passages from Italian authors ; translation of easy passages from English into Italian. An examination on the following texts :

SALVATORE FARINA, Il Signor Io,

GOLDONI, Il vero Amico.

ARIOSTO, ORLANDO FURIOSO, Cantos I-IV.

## THIRD YEAR.

Grammar ; the elements of Italian phonology ; translation from English into Italian ; translation at sight from modern Italian authors ; writing Italian from dictation ; outlines of the history of Italian literature. An examination on the following texts :

D'AZEGLIO, Ettore Fieramosca.

DE AMICIS, Spagna.

ALFIERI, Saul.

LEOPARDI, Poesie scelte (ed. Fornaciari).

TASSO, La Gerusalemme Liberata, Cantos I, XII, XVIII.

DANTE, Inferno, Cantos I-V.

## FOURTH YEAR.

Translation of unspecified passages from modern Italian authors ; a paper on Grammar ; Writing Italian from dictation ; translation from English into Italian ; history of Italian Literature. An examination on the following texts :

LEOPARDI, Operette Morali.

ALFIERI, Oreste.

DANTE, Inferno, Cantos I-XVII, inclusive.

For Reference : Sismondi, Literature of the South of Europe, Chaps. IX-XXXII, inclusive.

\* Only for Candidates for Honors.

## § 7.

## \*SPANISH.

*Lecturer* : W. H. FRASER, B. A.

*Fellow* :

Subjects of examination and lectures :

## SECOND YEAR.

Knapp's Spanish Grammar.

## THIRD YEAR.

Grammar ; the elements of Spanish phonology ; translation from English into Spanish ; translation at sight from modern Spanish authors ; writing Spanish from dictation ; outlines of the history of Spanish literature. An examination on the following texts :

KNAPP'S Spanish Reader.

MORATIN, La Comedia nueva ó el Café.

HARTZENBUSCH, Los Amantes de Teruel.

## FOURTH YEAR.

Translation of unspecified passages from easy Spanish authors ; a paper on Grammar ; writing Spanish from dictation ; translation from English into Spanish ; history of Spanish Literature. An examination on the following texts :

KNAPP'S Spanish Reader.

MORATIN, El Si de las Niñas.

*For Reference* : Helen Conant, Primer of Spanish Literature.

\* Only for Candidates for Honors.

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## DEPARTMENT OF ORIENTAL LANGUAGES.

## § 8.

*Professor*: J. F. McCURDY, Ph.D.*Fellow*:

Subjects of examination and of lectures:

## PASS COURSE.

## FIRST YEAR.

Essentials of Hebrew grammar; translation from English into Hebrew; outlines of ancient Semitic history and geography.

Translation into English, with grammatical analysis, parsing and vocabulary, of Genesis I-VI, XXXVII, XXXIX, XL.

## SECOND YEAR.

Hebrew Grammar, with special attention to syntax; translation at sight; translation of English into Hebrew; outlines of Hebrew literature.

Exodus I, II; Ruth; 1 Samuel XVII; 1 Kings V, VIII; 2 Kings XVIII, XIX; Isaiah I, II, V, VI; Psalms I, II, VIII, XIX, XXIII.

## THIRD YEAR.

Translation at sight and composition in Hebrew.

Isaiah XL-LV; Jeremiah IV-VIII; Ezekiel XVII, XVIII; Joel; Nahum.

## FOURTH YEAR.

Translation at sight and composition continued.

Psalms XXIV, XXV, XXIX, XLV, XC, CXXI-CXXVII; Proverbs I-V, VIII, XXV; Job III, IV; Ecclesiastes XII; Lamentations I.

## HONOR COURSE.

## SECOND YEAR.

*Hebrew*: Historical and narrative prose:—Exodus VI-XIX; Leviticus I, II; Numbers XXI-XXIV; Deuteronomy I-XIII; Judges XIV-XVI; 1 Samuel XVIII, XIX; 2 Samuel XVII, XVIII; 1 Kings XVII-XIX; 2 Kings XVI, XVII; 2 Chronicles XXX.

Harper's Hebrew Syntax. Hebrew prose composition. Translation at sight of prose passages. Semitic geography and antiquities.

*Aramaic*: Introduction to Aramaic literature, Brown's Aramaic Method, with extracts from Targums.

Nestle's Syriac Grammar with Chrestomathy.

## THIRD YEAR.

*Hebrew*: Prophetical literature—Amos I-VI; Micah V-VII; Isaiah VII-XIV, XXV, XXVIII, XXXII, XXXV, XLVI-LXVI; Jeremiah XIV-XVII, XXII, XXIII; Ezekiel XXVI, XXVII; Haggai.

Syntax and composition continued. Introduction to the literary study of the prophetic writings.

*Biblical Aramaic*: Outlines of the grammar with selections from Baer's texts of Daniel and Ezra.

*Arabic*: Introduction to Arabic literature. Socin's Arabic Grammar with Chrestomathy and exercises.

## FOURTH YEAR.

*Hebrew poetical literature*: Psalms XV-XXXIV, XXXIX-LV, LXXII-LXXXVII, LXXXIV-LXXXVII, XCI, CII-CIV, CX, CXXX, CXXXIX, CXLV-CL; Proverbs IX-XII, XV, XXX, XXXI; Job V-XIV, XIX, XXVIII.

Syntax and composition continued and Characteristics of Hebrew poetry and of the several poetical books.

*Assyrian*: Babylonian and Assyrian history and literature with the history of modern discoveries and relations with the Old Testament. Lyon's Assyrian Manual, with the original texts in Rawlinson's Cuneiform Inscriptions of Western Asia. Delitzsch's Assyrische Lesestuecke.

Comparative grammar of the Semitic languages.

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A Seminary in Oriental languages will be held weekly for the benefit of advanced students, the work done in which will count as part of the sessional duties. Graduates of the University who may apply for admission may take part in the work of the Seminary.

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ADDITIONAL TEXT AND REFERENCE BOOKS.

The Hebrew grammars of Green, Harper, and Gesenius (translation by Mitchell); Drivers' Hebrew Tenses; Davies' Hebrew lexicon; the Hebrew Bible text with Massoretic Clavis.

Noeldeke's Syrischo Grammatik.

Wright's Arabic Grammar.

Wright's Comparative Grammar of the Semitic languages; Renan's *Histoire des langues sémitiques*.

Conder's Palestine; Babelon's Manual of Oriental Antiquities; Duncker's History of Antiquity, Vols. IV-VI; Meyer's *Geschichte des Alterthums*; Ragozin's Chaldaea and Assyria; Rawlinson's History of Phœnicia; Schrader's Cuneiform Inscriptions and the Old Testament; articles on Semitic literature and antiquities in the *Encyclopædia Britannica*, especially: Alphabet, Arabia, Asia Minor, Babylonia, Bible, Canaanites, Canon, Egypt, Hebrew Language, Hittites, Inscriptions, Jerusalem, Mesopotamia, Midrash, Mishnah, Mohammedanism, Nineveh, Palestine, Phœnicia, Samaritans, Semitic Languages, Septuagint, Syriac Literature, Talmud, Targum.

DEPARTMENT OF HISTORY AND POLITICAL  
SCIENCE.

§ 9.

## HISTORY.

*Professor* : SIR DANIEL WILSON, LL.D., F.R.S.E.*Lecturer in Greek History* : H. RUSHTON FAIRCLOUGH, M.A.*Lecturer in Roman History* : WILLIAM DALE, M.A.

The lectures will be mainly directed to the principles underlying the progress of history; the influences of race, religion, physical geography, and other sources of national development and the historical illustration of classical and modern literature.

All text-books are omitted from the University curriculum in mediæval and modern history; but books of reference are named here, and others will be referred to in the lectures.

## FIRST YEAR.

## ANCIENT HISTORY—GREECE.

H. R. FAIRCLOUGH, M.A.

General history of Greece to the Roman conquest, B.C. 146.

Cox : General History of Greece (Students' series).

## ANCIENT HISTORY—ROME.

WILLIAM DALE, M.A.

General history of Rome to Romulus Augustulus, A.D. 476.

MERIVALE : General History of Rome (Students' series).

BOOKS FOR ORDINARY USE, OR FOR REFERENCE IN THE LIBRARY.

*History* : Smith's Grecian ; Liddell's Roman ; Smith's Student's Gibbon ; Rawlinson's Ancient History. Mitford's, Thirlwall's, Grote's and Curtius' Grecian ; Arnold's, Merivale's, Mommsen's, Ihne's and Gibbon's (*Variorum*) Roman.

*Biography and Mythology* : Smith's Dictionary. (Cox's Aryan Mythology.)

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History o  
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1815, and  
Books of  
the English  
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Reign of  
History of  
Montcalm.

## SECOND YEAR.

## MEDIÆVAL HISTORY.

SIR DANIEL WILSON, LL.D., F.R.S.E.

Italy, France, Germany, Spain, England, Scotland, Ireland. Intrusion of the Barbarians on the Roman Provinces. The Crusades. The rise of the Ottoman Power.

*Books of Reference*: Hallam's Middle Ages. Gibbon's Decline and Fall, *vid.* chaps. 39-43, 45-52, '58, 59; 61, 65-68. Freeman's Early English History, Freeman's Norman Conquest, Freeman's Short History of the Norman Conquest. Green—History of the English People. Stubbs—The Early Plantagenets. Pearson—English History in the Fourteenth Century. Longman—Life and Times of Edward III. Gairdner—The Houses of Lancaster and York. Burton's History of Scotland. Kitchin's History of France. Robertson's Charles V.

## THIRD YEAR.

## MODERN HISTORY.

SIR DANIEL WILSON, LL.D., F.R.S.E.

England, Germany, France, Spain, and United States to peace of 1815, and Canada, to 1867.

*Books of Reference*: Robertson's Charles V. Green's History of the English People. Hallam's Constitutional History. Macaulay's History. Kitchin's History of France. Stanhope's History of the Reign of Queen Anne. Burton's History of Scotland. Lecky's History of England in Eighteenth Century. Parkman's Wolfe and Montcalm.

## § 10.

## ANCIENT AND MODERN ETHNOLOGY.

## FOURTH YEAR.

SIR DANIEL WILSON, LL.D., F.R.S.E.

## SPECIAL SUBJECT FOR HONORS.

Ethnology as a factor in ancient and modern history.

The science of language. Philological classification of races.

Anthropology.

Succession of races in different countries in Europe. Physical evidence of diversity of race. Philological evidence. The prehistoric, unhistoric, and historic races.

The lectures are illustrated by means of maps, typical skulls of different races, primitive implements, etc.

*Books of Reference*: Max Müller's Science of Language, 1st and 2nd Series. Tylor's Anthropology: an Introduction to the Study of Man and Civilization. Wilson's Prehistoric Man, 3d ed. Pritchard's Researches into the Physical History of Man. Latham's Ethnology of British Isles. Latham's Ethnology of Europe.

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§ 11.

POLITICAL ECONOMY AND CONSTITUTIONAL HISTORY.

*Professor* : W. J. ASHLEY, M.A.

(Late Fellow of Lincoln College, Oxford, and lecturer in History at Lincoln and Corpus Christi Colleges, Oxford.)

*Fellow* : J. M. McEVoy.

THIRD YEAR—PASS.

English constitutional history and law :

Taswell-Langmead, Constitutional History of England.

Bagehot, The English Constitution.

Dicey, The Law of the Constitution.

FOURTH YEAR—PASS.

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|---------------------------------|---|---|
| 1. Economics :                  | { | Symes, Text-book.   |
|                                 | { | Ely, Introduction to Political Economy.                   |
| 2. Federal Constitutional Law : | { | Bourinot, Manual of the Constitutional History of Canada. |
|                                 | { | Cooley, Constitutional Law of United States.              |

Candidates will be expected to shew a textual knowledge of the British North America Act, and of the Constitution of the United States.

*Vide* pp. 135-146 under Faculty of Law, for details of subjects embraced in the Honor course.

## DEPARTMENT OF PHILOSOPHY.

## § 12.

*Professor of Psychology, Logic, and Metaphysics :*

JAMES MARK BALDWIN, M.A., PH.D. (Formerly Fellow and lecturer in Princeton University.)

*Professor of Ethics and History of Philosophy :*

JAMES GIBSON HUME, M.A., PH.D. (Formerly Fellow in Harvard University.)

*Fellow :* F. TRACY, B.A.

Subjects of examination and lectures :

## SECOND YEAR.

**LOGIC :** Formal and Inductive ; Jevons, Elementary Lessons in Logic ; Fowler, Inductive Logic.

**PSYCHOLOGY :** Senses, Intellect, Feeling ; Baldwin, Handbook of Psychology (Vol. I, Senses and Intellect, 2nd ed. ; vol. II, Feeling and Will, to Part iv.)

## FOR HONORS.

**LOGIC :** Mill, System of Logic. (Books I-IV, inclusive).

*Books recommended :* Bradley, Principles of Logic ; Venn, Empirical Logic ; Jevons, Principles of Science ; Lotze, Logic.

**THEORY OF KNOWLEDGE :** Locke, Essay ; Berkeley, Principles of Knowledge ; Hume, Treatise on Human Nature, Book I.

*Books recommended :* Fraser, Locke and Berkeley, (Blackwood's Series) ; Green, Introduction to Hume ; Ward, Psychology (in Encyclopædia Britannica, 9th ed.) ; Bain, Emotions and Will, pp. 1-229 ; Spencer, Principles of Psychology ; James, Principles of Psychology.

## THIRD YEAR.

**PSYCHOLOGY :** The Will ; Baldwin, Handbook of Psychology (Vol. II, Feeling and Will, Part iv).

**ETHICS :** Theory of Obligation, and the Moral Systems ; Calderwood, Handbook of Moral Philosophy.

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## FOR HONORS.

PSYCHOLOGY : The Will ; Bain, Emotions and Will, pp. 300-586 ; James, Principles of Psychology, chaps. xi. and xxvi. Comparative and Experimental : Ribot, German Psychology of Today ; Ladd, Outlines of Physiological Psychology.

*Books recommended :* Wundt, Physiologische Psychologie (3rd ed.) ; Ladd, Elements of Physiological Psychology.

Good facilities are now offered for laboratory work in Experimental Psychology. Students of the third and fourth years may apply to Professor Baldwin and he will judge of their fitness for such work. Some preliminary preparation in the Physiology of the Nervous System and with the problems of Physiological Psychology, as treated in the works named above, will be needed. Special facilities for research are offered to advanced students, whether graduates of this University or not.

ETHICS : Theory of Obligation and Ethical Systems : Cicero, De Finibus, I-II (in the original) ; Green, Prolegomena to Ethics ; Martineau, Types of Ethical Theory.

*Books recommended :* Butler, Sermons ; Janet, Theory of Morals ; Spencer, Data of Ethics ; Sidgwick, Methods of Ethics, and History of Ethics ; Jodl, Geschichte der Ethik.

HISTORY OF PHILOSOPHY : Ancient and Mediæval ; Baldwin, Syllabus of Greek and Roman Philosophy ; Zeller, Outlines of the Greek Philosophy ; Ueberweg, History of Philosophy, vol. I ; Plato, Meno (in the original, to be taken during the Third year with the Pass work of the Fourth year in the Classical department).

*Books recommended :* Zeller (large work, *i.e.*), Presocratics, Socrates and the Socratic Schools, Plato and the older Academy, Stoics, Epicureans and Skeptics ; Butler (Archer), Lectures on the Ancient Philosophy ; Erdmann, History of Philosophy, vol. I.

## FOURTH YEAR.

LOGIC : Inductive.

Mill, Inductive Logic.

## FOR HONORS.

ETHICS : Aristotle, Nicomachean Ethics, Book I-IV (in the original, lectures to be taken with the work of the classical department).

HISTORY OF PHILOSOPHY : Modern ; Ueberweg, History of Philosophy, vol. II ; Erdmann, History of Philosophy, vol. II and III. Special study of Kant's Critiques.

*Books recommended:* Fischer, Geschichte der neueren Philosophie, and Descartes and his School ; Windelband, Geschichte der neueren Philosophie ; Pollock, Spinoza, his Life and Philosophy ; McCosh, Scottish Philosophy ; Collins, Epitome of Spencer's Synthetic Philosophy ; Watson, Kant and his English Critics ; Green, Introduction to Hume ; Ravaisson, Philosophie en France au XIX Siede ; Seth, Scottish Philosophy ; Lewes, Biographical History of Philosophy ; Morell, History of Modern Philosophy.

METAPHYSICS : Constructive ; Descartes, Meditations and Method ; Spinoza, Ethics ; Kant, Prolegomena to Metaphysics (of which §§ 1-39 inclusive must be read in the original) ; Hamilton, Lectures on Metaphysics ; Spencer, First Principles ; Lotze, Metaphysics.

SEMINARY, for the study of advanced philosophical problems, conducted by Professor Baldwin. Subject for the year '91-'92 : "The Philosophy of Lotze."

SEMINARY, for the study of ethics, conducted by Professor Hume.

Attendance upon the seminaries on the part of honor students is strongly recommended, though the professor in charge reserves the right to limit the membership. The object of the Seminary is instruction in the methods of advanced and original work. Post-graduate and special students are admitted if their qualifications are deemed satisfactory.

WORK OF PREVIOUS YEARS.

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Subjects of

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\*Algebra,  
\*Trigonon  
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\*Newton's  
\*Different  
\*Integral  
\*Solid Ge  
\*Spherica  
\*Theory o

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DEPARTMENT OF MATHEMATICS AND  
PHYSICS.

§ 13.

## MATHEMATICS.

*Professor* : ALFRED BAKER, M.A.*Fellow* : R. HENDERSON, B.A.

Subjects of examination and of lectures :

## FIRST YEAR.

Algebra—Equations, Proportions, Progressions, Permutations,  
Combinations, and Binomial Theorem.

Euclid—Bb. IV, VI, and Definitions of B. V.

Trigonometry—As far as Solution of Plane Triangles.

\*Algebra, omitting Probabilities.

\*Trigonometry.

\*Analytical Plane Geometry (C. Smith).

## SECOND YEAR.

\*Newton's Principia, Sec. I.

\*Differential Calculus (Williamson).

\*Integral Calculus (Williamson).

\*Solid Geometry (C. Smith).

\*Spherical Trigonometry.

\*Theory of Equations. (For Reference—Burnside and Panton.)

## FOURTH YEAR.

Elements of Astronomy.

\*Modern Geometry.

\*Higher Plane Curves ; Salmon, Chaps. 1-4.

\*Higher Algebra ; Scott's Determinants.

\*Differential Equations ; Forsyth, Chaps. 1-8.

\*Theory of Probability.

\*Plane Astronomy (Chauvenet).

\*Quaternions.

\* Only for Candidates for Honors.

## § 14.

## PHYSICS.

*Professor* : JAMES LOUDON, M.A.*Demonstrator of Physics* : W. J. LOUDON, B.A.*Fellow* :

Subjects of Examination and of Lectures :

## SECOND YEAR.

Elements of Statics, Dynamics, Hydrostatics, and Heat.

## THIRD YEAR.

Elements of Geometrical Optics, Electricity, and Magnetism.

\*Analytical Statics (Minchin).

\*Dynamics of a Particle (Tait and Steele).

\*Newton's Principia, Secs. II and III.

\*Geometrical Optics. (Course set forth in Prof. Loudon's Syllabus.)

\*Hydrostatics (Besant).

\*Rigid Dynamics.

\*Practical Work in the Laboratory.

## FOURTH YEAR.

Elements of Acoustics.

\*Elasticity.

\*Hydrodynamics.

\*Acoustics.

\*Physical Optics (Verdet).

\*Thermodynamics (Clausius).

\*Electricity and Magnetism.

\*Method of Least Squares (Wright).

\*Practical Work in the Laboratory.

## PHYSICAL LABORATORY.

The Physical Laboratory which has been lately established, is furnished with a large collection of apparatus for lecture experiments in the departments of Mechanics, Sound, Light, Heat, and Electricity. It is also well supplied with instruments of precision for individual work in the same departments. In addition to an Elementary Laboratory, there are several special Laboratories which offer unusual facilities for the conduct of experiments in the various branches of Physics. A workshop is provided in connection with the Laboratory.

\* Only for Candidates for Honors.

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DEPARTMENT OF CHEMISTRY AND  
MINERALOGY.

The details of the lectures delivered in this department will be found under the heads of Mathematics, Physics, Chemistry, and Mineralogy (§ 13, 14, 15, 17). The prescription of work for examinations is as follows :—

## FIRST YEAR.

Elements of analytical geometry.  
Elementary chemistry and chemical physics.

## SECOND YEAR.

Elementary differential and integral calculus.  
Physics : theoretical and practical, comprising mechanics, hydrostatics, heat.  
Inorganic chemistry with laboratory practice.  
Mineralogy : theoretical and practical.


## THIRD YEAR.

Light, heat, electricity : theoretical and practical.  
Organic chemistry with laboratory practice.  
Spectrum analysis and determinative mineralogy.  
Crystallography.

## FOURTH YEAR.

History of chemical theory.  
Advanced inorganic and organic chemistry.  
Physical chemistry with laboratory practice.  
Advanced mineralogy and crystallography.  
Assaying (practical).

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## § 15.

## CHEMISTRY.

*Professor* : W. H. PIKE, M.A., Ph.D.

*Fellow* :

The lectures and practical work in Chemistry will be given in the School of Practical Science.

## FIRST YEAR.

## PASS AND HONORS.

Elementary inorganic chemistry.

## FOR HONORS.

## SECOND YEAR.

Inorganic chemistry.  
Physical chemistry.  
Laboratory practice.

## THIRD YEAR.

Organic chemistry.  
Laboratory practice.

## FOURTH YEAR.

Advanced inorganic and organic chemistry.  
History of chemical theory.  
Physical chemistry.  
Laboratory practice.

The laboratory practice includes qualitative and quantitative analysis and the preparation of a selected number of inorganic substances, for the second year. Quantitative analysis (volumetric) and the preparation of organic substances, for the third year. Investigation of the laws of the rate of chemical change, the properties of chemical compounds, the repetition of a selected research, for the fourth year.

*Text books and works of reference* : Elements of chemistry, W. A. Miller, Parts I and II. Treatise on Chemistry, Roscoe and Schorlemmer, 3 vols. Inorganic, 5 vols. Organic. Qualitative and Quan-

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titative Analysis, Fresenius, 2 vols. Qualitative Analysis, Douglass & Prescott. Meyer, Modern Theories of Chemistry, trans. Bedson & Williams. Ostwald, Grundriss der Allgemeinen Chemie, translated. Beilsteur, Organische Chemie, 2 vols. Thompson, History of Chemistry, 2 vols. Watts' Dictionary of Chemistry, 4 vols. Meyer, History of Chemistry, translated. Wurtz, History of Chemical Theory. Wurtz, Atomic Theory.

Students working in the laboratory are provided with the necessary apparatus after deposit at the commencement of the session of a laboratory fee as follows: Second year, \$5; Third year, \$8; Fourth year, \$10, which will be returned at the end of the session after the following charges have been deducted from it: (1) the cost of all apparatus broken or destroyed; (2) a fixed charge of \$1.50 for apparatus used in common; (3) any fines for breach of laboratory rules.

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## DEPARTMENT OF NATURAL SCIENCES.

The details of the lectures in this department will be found under the heads of Physics, Chemistry, Biology, and Mineralogy and Geology (§§ 14, 15, 16 and 17). The prescription of work for examinations is as follows :—

## FIRST YEAR.

Elementary chemistry and chemical physics.  
Elementary geology and physical geography.  
Elementary biology.

Practical work in biological laboratory ; special attention will be given in the examination to accuracy and neatness in drawing.

## SECOND YEAR.

## CHEMISTRY.

Inorganic chemistry.  
Qualitative inorganic analysis.

## BIOLOGY.

Structure and classification of flowering plants, with special reference to the Canadian flora.  
Zoology of vertebrata.  
Canadian vertebrate fauna.

*For Laboratory Work.*

The candidate is expected to be familiar with the principal methods employed in the investigation of the structure of plants and animals, with the structure of the forms described in Huxley & Martin's Elementary Biology, and with the histology of the higher types of these.

## MINERALOGY AND GEOLOGY.

Elementary mineralogy.  
Geology and physical geography.  
Principles of crystallography.  
Use of the blowpipe in the practical examination of minerals.

## PHYSICS.

Elementary course, with laboratory work.

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## THIRD YEAR.

## CHEMISTRY.

Organic chemistry.

Qualitative and Quantitative analysis.

## BIOLOGY.

Structure and classification of cryptogamic plants, with practical knowledge of typical forms of the various orders.

Vegetable physiology.

Zoology of invertebrata, with practical knowledge of typical forms of the various orders.

## MINERALOGY AND GEOLOGY.

Economic minerals of Canada, with practical determinative work.  
Palæontology (invertebrata).

## FOURTH YEAR.

The candidate may select either of the following divisions for examination :

## DIVISION I.—BIOLOGY.

Classification and comparative anatomy of vertebrata.

Palæontology of vertebrata.

Embryology of vertebrata.

Physiology.

Histology.

Physiological chemistry.

Bacteriology in its biological and chemical aspects.

History of modern biological problems.

## DIVISION II.—MINERALOGY AND GEOLOGY.

Crystallography and advanced mineralogy.

Geology of Canada.

Palæontology of vertebrata.

Mining geology.

Candidates in the honor department of Natural Sciences will be required to present certificates of attendance at the laboratories of

the University of Toronto, or of one of the colleges in affiliation with the University as follows :

In the second year :	of 100	hours	in	Biology.
“	“	“ 120	“	in Chemistry.
“	“	“ 75	“	in Mineralogy and Geology.
In the third year :	of 160	“	in	Biology.
“	“	“ 160	“	in Chemistry.
“	“	“ 100	“	in Mineralogy and Geology.
In the fourth year :	of 400	“	in	Biology.
“	“	“ 200	“	in Geology.

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## § 16.

## BIOLOGY.

*Professor* : R. RAMSAY WRIGHT, M.A., B.Sc. (EDIN.)

*Lecturer in Physiology* : A. B. MACALLUM, B.A., M.B., PH.D.

*Fellow* : E. C. JEFFREY, B.A.

The lectures and practical work in this subject are given in the new building erected in the Park for the University Biological Department.

The following arrangements will be in force for 1891-92:—

1. A course of elementary lectures on Biology will be given three days a week to prepare candidates for the University examination of the First year.

2. A practical class will be formed in connection with the above course of lectures. A laboratory fee of \$3 will be charged to members of the practical class for the use of microscope and material for study.

3. In addition to attending the course of lectures under sec. 1, candidates for Second year honor examinations will attend a special course on parasitic plants and animals, and one on the Zoology of the vertebrata.

4. The practical course for honor students of the Second year will be devoted to the methods of Biological investigation, and to the study of typical forms of plants and animals, such as are treated of in *Huxley and Martin's Elementary Practical Biology*, new edition. Necessary works of reference will be found in the laboratory. There will also be opportunities for the study of the Canadian vertebrate fauna (Text-book *Jordan's American Vertebrates*), and for revision of the Canadian flowering plants; but the student is expected to have familiarized himself with the Canadian flora during the preceding long vacation. (For reference, *Spotton's Canadian Flora*, or *Gray's Manual*).

5. Honor students of the Third year will study the Zoology of the invertebrata three days a week during the Michaelmas Term, and during the Easter Term, Cryptogamic Botany and Vegetable Physiology.

## BOOKS OF REFERENCE.

Goebel's Outlines of the Classification of Plants.

Vines's Lectures on the Physiology of Plants.

Claus's Zoology, translated by Sedgwick.

6. The practical course for Third year students will be devoted to the study of typical forms of cryptogamic plants and invertebrate animals.

7. *Wiedersheim-Parker's Elements of Comparative Anatomy of the Vertebrata*, and *Foster's Physiology*, last English edition, are recommended for honor students of the Fourth year, and the following works will be required in the practical course.

Stöhr's Handbuch der Histologie.

Parker's Zootomy.

Foster and Balfour's Embryology.

Bunge's Physiologische Chemie.

Works of reference on Bacteriology and the other subjects specified in the University curriculum will be found in the laboratory.

8. Honor students of all years are required to pay laboratory fees to meet the actual expenses of their practical work, and for the use of microscopes. Arrangements will be made for supplying suitable dissecting instruments, slides, cover-glasses, reagents, etc., to students. The cost of these, as well as of the materials for work, and the rent of a microscope will be deducted from a deposit to be paid by the student on his entering the practical class. The deposits will be \$10 for Honor students of Second, \$15 for those of the Third year, and \$25 for students in the Fourth year.

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## § 17.

## MINERALOGY AND GEOLOGY.

*Professor* : E. J. CHAPMAN, Ph. D., LL. D.  
(Formerly Professor in University College, London).

*Fellow* : W. G. MILLER, B. A.

Lectures or courses of practical instruction are given (so far as time will allow) on the following subjects :

## FIRST YEAR.

Elements of Physical Geography, Palæontology and Geology.

## SECOND YEAR.

Mineralogy, Crystallography, Blowpipe Practice.

## THIRD YEAR.

Practical Determination of Minerals. Economic minerals of Canada. Palæontology (Invertebrata). Spectrum Analysis in Mineral Examinations.

## FOURTH YEAR.

Mineralogy and Crystallography. Physical Geography, Geology, and Palæontology (Vertebrata). Mathematics of Crystallography. Geology and Palæontology of Canada. Mining Geology. Assaying.

*Books of Reference :*

SECOND YEAR.—Dana's Manual of Mineralogy. Dana's Text-book of Geology. Chapman's Mineralogy and Geology of Canada, 3rd ed. Page's Physical Geography. Johnston's Elementary Physical Atlas. Chapman's Outline of Blowpipe Practice. Chapman's Mineral Indicator.

THIRD YEAR.—Chapman's Mineral Tables. Tables for the determination of Minerals by Brush or Von Kobell. Chapman's Synopsis of Palæontology.

FOURTH YEAR.—Dana's System of Mineralogy, 5th ed. Chapman's Outline of the Geology of Canada (1876). Nicholson's Manual of Palæontology. Chapman's Synopsis of Palæontology. Kerl's Probirkunst, or Mitchell's Assaying, by Crookes. Chapman's Assay Notes.

Students taking practical work in this department are required to provide themselves with necessary apparatus (apart from furnaces, balances, etc.). Students of the Second year must be provided with a set of blowpipe apparatus and a book on blowpipe practice, and will be required to pay a laboratory fee of \$1. Students of the Third year must provide themselves (in addition to the apparatus of the Second year) with a book of determinative mineralogy, and will pay a laboratory fee of \$2 for minerals, reagents, etc. Students of the Fourth year will pay a laboratory fee of \$4 for assay materials and use of instruments generally.

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## Faculty of Law.

NOTE.--The subjects for examination and lectures in the First, Second, and Third years of the Faculty of Law are identical with those in the Second, Third, and Fourth years of the Faculty of Arts, Department of History and Political Science.

§ 1.

### POLITICAL ECONOMY.

*Professor: W. J. ASHLEY, M.A.*

FIRST YEAR. (SECOND YEAR IN FACULTY OF ARTS.)

#### ELEMENTARY ECONOMICS.

*Subject of examination:* The elements of Political Economy: Value, Price, Wages, Interest, Profits, Rent.

*Lectures:* The lectures in this course will give a general introduction to modern Political Economy, and are intended to assist both the Honour students of the second year in Political Science, and the Pass Students of the fourth year. While, for the sake of the Pass Students and of those who cannot take a later course in the subject, the lectures will deal in outline with all the main subjects usually included under the head of Political Economy, the Honour students are requested to give their chief attention to the subjects specified above.

The lectures will deal with the following topics among others: The Use of Text-books; Definition and Division of the subject; Wealth; *Production*:—Labour, Causes of Increase in Productivity; Supply of Labour; Land, Law of Diminishing Returns; Capital, Definition and Division; Function of Capital in Relation to Labour; *Distribution*:—Assumptions; Number of Shares; Parenthesis on Supply and Demand; Agricultural Rent, Statement and Criticism of Ricardo's Doctrine; House-rent; Interest and its Causes; Profits and their Analysis; Wages; Criticism of various Wage Doctrines—Iron Law, Wage Fund, Share of Product; Organisation of Labour; Excursus on Co-operation, Productive and Distributive;

*Exchange*:—Value; Money; Fluctuations in Prices; Gresham's Law; Bimetallism; Paper Money; Foreign Trade; Balance of Trade; Protection and Free Trade; Functions of Government; Methods of Governmental Action; Taxation, Direct and Indirect.

*Books recommended*: The chief text-book will be that of Symes.

For the application of Economics to the practical life of the time Ely's *Introduction* will be found interesting. Among other manuals which the student would do well occasionally to consult are those of Cannan, Gide, Walker and Andrews.

#### SECOND YEAR. (THIRD YEAR IN FACULTY OF ARTS.)

##### HISTORY AND CRITICISM OF ECONOMIC THEORY.

For examination students are required to give special attention to (i.) Adam Smith, *Wealth of Nations*, Bk. I, chap. 10, part 2; Bk. IV, chaps. 1, 2, 3, part 2; chap. 7. (ii.) Malthus, *Essay on Population*, Bk. I, chaps. 1, 2. (iii.) Ricardo, *Principles of Political Economy*, chaps. 1, 6. (iv.) List, *National System of Political Economy* (trans. Sampson Lloyd), chaps. 10, 11, 12.

The *Lectures* will follow in chronological order the development of Economic Theory down to the present time. They will deal with the following topics among others: The Economic Ideas of Plato and Aristotle; the Influence of Roman Law; the Teaching of the Mediæval Church as to Usury and Just Price, with especial regard to Aquinas; the Genesis of Modern Conceptions; the Doctrine of Interest; Balance of Bargain and Balance of Trade; Earlier and Later Mercantilism; Mun; Child; Petty; the Physiocrats, Quesnay; David Hume; Adam Smith—his Relation to later economists, his Method and Assumptions; Freedom of Industry and Trade; Malthus—his Doctrine of population in its earlier and later forms; Ricardo—his Doctrines of Value, Rent, Wages, Profits, List and Nationality; John Stuart Mill; the Historical School; State Socialism; Jevons and the Austrian School.

*Books recommended*: The chief text-book will be Ingram's *History of Political Economy*. Students are also requested to read Ashley, *Economic History*, Preface and §§ 15-17, 20-23, and Toynbee, *Ricardo and the old Political Economy in The Industrial Revolution*. The following books will also be useful: Cliffe Leslie, *Essays* (especially those on Adam Smith, and German Political Economy); Bagehot, *Adam Smith as a Person* (in



*Biographical Studies*), and *Essays on Adam Smith, Malthus, and Ricardo* (in *Economic Studies*); Bonar, *Malthus and his Work*, Bk. I, chaps. 1 and 2; Marshall, *Principles of Economics*, Bk. I, chap. 4; Keynes, *Scope and Method of Political Economy*, chaps. 1-3, 7, 9.

### THIRD YEAR. (FOURTH YEAR IN FACULTY OF ARTS.)

#### ECONOMIC HISTORY.

The *Lectures* will trace economic history from the early middle ages down to modern times, with especial reference to England. They will deal with the following topics among others: The History and Constitution of the Manor and its relation to Mediæval Husbandry; Mediæval Trade and the Gilds Merchant; Mediæval Industry and the Craft Gilds; Mediæval Foreign Trade—the Teutonic Hanse, the Staple and the Merchant Adventurers; the Domestic System of Industry; Tudor Legislation; the Trading Companies of the 16th and 17th centuries; the Enclosures of the 16th and 18th centuries; the Elizabethan Poor Law and its subsequent history; the Beginnings of Modern Finance; the Industrial Revolution and the Rise of the Factory System; Poor Law Reform; Factory Legislation; the Organization of Labour and Capital; National Insurance in Germany.

*Books recommended*: The chief text-books will be Ashley, *Economic History*, chaps. 1, 2; Toynbee, *The Industrial Revolution*. Students are also recommended to consult Seebohm, *English Village Community*, chaps. 1, 2, 3; Gross, *Gild Merchant*, chaps. 1-4; Rogers, *Six Centuries of Work and Wages*, chaps. 1-6, 8-10; Cunningham, *Growth of English Industry and Commerce* (ed. 1890) Bks. III, IV, V; Prothero, *Pioneers and Progress of English Farming*, chaps. 1-9; Marshall, *Principles*, Bk. I, chaps. 2, 3; Jevons, *State in Relation to Labour*, chaps. 3, 4, 6, 7; Fowle, *Poor Law*, chaps. 1, 3, 4; B. W. Wells, *Insurance in Germany in Political Science Quarterly*, vol. VI; D. A. Wells, *Recent Economic Changes*, I, II, III; Ely, *Labour Movement in America*, chaps. 3, 4; *Reports of the Bureau of Industry*, Ontario, 1886, pp. 228-234; 1887, Part iv, pp. 47-54; *Report of Royal Commission on Labour and Capital*, Canada, 1889; *Report of Social Economy Section of Paris Exhibition*, Ottawa, 1890; Giffen, *Essays in Finance*, 2nd Series X, XI.

## PUBLIC FINANCE.

The *Lectures* will deal with National and Local Finance, and with important questions of modern economic policy from a financial standpoint. They will discuss, among other topics: the History of Public Finance and of Financial Science; the Currency and Banking System of Canada, Great Britain, and the United States; Public Debts and the Policy of National and Local Governments in relation to them; Methods of Extinction of Debt; Sinking Funds; Public Domain—Lands, Forests, Minerals; Railroad Policy, its history in Europe and America; Postal Service; Municipal Monopolies; Business Licenses; Taxation; Repercussion of Taxation; Ethics of Taxation; Direct and Indirect Taxation; Tariff Policy—outline of its history in Great Britain, Canada and the United States; Local Taxation in Canada and the United States.

*Books Recommended:* The most useful books for this course are Cossa, *Taxation*; Dunbar, *Theory and History of Banking*; Walker, *Money, Trade, and Industry*; Adams, *Public Debts*; Ely, *Taxation*; Hadley, *Railroad Transportation*. Among the works which it will be advantageous to consult are Bagehot, *Lombard Street*; Jevons, *Money*; Leroy-Beaulieu, *Science des Finances*, Livre II, chaps. 4, 5, 9, 10; Giffen, *Essays in Finance*, 1st series, IX; Taussig, *Tariff History of United States*; Sinclair, *Municipal Monopolies* (Toronto Studies in Political Science, 1st series, II).

## SEMINARY.

The seminary will meet weekly during the session of 1891-2 for the study of Public Finance, under the presidency of the Professor of Political Economy. All students of the 4th year who are attending the lectures in Public Finance, and who are ready to take their share in the work of the Seminary, can attend its meetings. Each meeting will begin with the reading of an abstract of the papers presented the previous week; two essays will then be read on different sides or aspects of some particular problem; and these will be followed by a general discussion. A programme of essays will be drawn up at the beginning of the session, so that members will have adequate time for preparation. Attendance is strongly recommended; though the Professor in charge cannot engage that all the work will be directly useful for examination purposes.

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§ 2.

POLITICAL PHILOSOPHY.

*Professor*: W. J. ASHLEY, M.A.

THIRD YEAR. (FOURTH YEAR IN FACULTY OF ARTS.)

*Subject of examination and lectures*: History and Criticism of Political Theories.

Candidates are expected to give special attention to (i) PLATO'S Republic, Bks. II and V (in the translation of Jowett or Davies & Vaughan); (ii) ARISTOTLE'S Politics, Bk. I, Bk. II up to chap. 6, Bk. III, Bk. V- (in the translation of Jowett or Weldon); (iii) HOBBS, Leviathan, chaps. 17, 18; (iv) LOCKE, Two Treatises on Government, Bk. II; (v) ROUSSEAU, Contrat Social; (vi) BURKE, Appeal from the New to the Old Whigs; (vii) BENTHAM, Fragment on Government; (viii) HERBERT SPENCER, Man v. The State; (ix) T. H. GREEN, Lectures on Political Obligation; Lectures A, M, N, in Philosophical Works, vol. II.

*Books Recommended*, in addition to the specified texts: Pollock, *History of the Science of Politics*; Ritchie, *Principles of State Interference*; Maine, *Ancient Law*.

§ 3.

CONSTITUTIONAL HISTORY.

*Professor*: W. J. ASHLEY, M.A.

*Fellow*: J. M. McEVoy, B.A.

FIRST YEAR. (SECOND YEAR IN FACULTY OF ARTS.)

ENGLISH CONSTITUTIONAL HISTORY.

J. M. McEVoy, B.A.

*Lectures*: The lectures in this course are intended to assist both the Honor Students of the second year in Political Science, and the Pass Students of the third year. They will deal with the following topics among others: The Hundred and County Courts; the Witena-

gemot; the Feudal System; the Angevin Administrative Machinery; the System of Estates; the Growth of Parliament; the History of Taxation; Lancastrian Constitutionalism; the Yorkist and Tudor Strong Government; the Rule of the Council; the Struggle between the Stuarts and Parliament; the Growth of the Cabinet; Responsible Government; George III and the Whigs; the Reform Bills; Modern Forces and Modern Practice.

Honor Students are required to show at the examination a textual knowledge of the following documents: *Assize of Clarendon*, *Magna Charta*, *Parliamentary Writs of 1295*, *Petition of Right*, *Habeas Corpus Act*, *Bills of Rights*, *Act of Settlement*, (Stubbs, *Select Charters*).

*Books recommended*: Taswell-Langmead, *English Constitutional History*; Bagehot, *English Constitution*; Wakeman & Hassall, *Constitutional Essays*, (omitting Essay 1); Introduction to Stubbs' *Select Charters*.

— CANADIAN CONSTITUTIONAL HISTORY.

J. M. McEvoy, B. A.

The lectures will deal with the following topics, among others: Character of French Settlement; Nature of European Claims to Territory; Government by Trading Companies; Excursus on Nature and Growth of Provincial Administrative System of France; Growth of Rule by Colonial Policy as distinguished from Trading Company Policy; Displacement of Trading Company Policy; Formal Establishment of Provincial Organization in 1663; Condition and Population at this time; the Sovereign Council; Growth of the Superior Council; Local Government; Land Tenures; Church and State; the Conquest; Rights Guaranteed the French at Capitulation; Treaty of Paris; Proclamation of 1763; Constitutional position of English Colony at this time; Growth of English Colonial Policy,—copied from Counties Palatine; Quebec Act; its Policy; Administration of Justice; Constitutional Act; Struggle for Responsible Government; Growth of Parties in Upper and Lower Canada; Lord Durham's Report; Union Act; Colonial Policy of Lord John Russell and Earl Grey; Policy of Sydenham, Metcalfe, and Elgin; Clergy Reserves; Growth of Responsible Government in Nova Scotia and New Brunswick; Quebec Conference and Resolutions; Confederation; Relation of Dominion and of various Provinces to Great Britain; Relation of Provinces to Dominion; Comparison of B. N. A. Act

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with Constitutions of United States and of England; Growth of Local Government in Ontario.

*For Reference:* Bourinot, *Constitutional History of Canada*; Ashley, *Earlier Constitutional History of Canada*; Parkman, *Old Régime*; Munro, *Constitution of Canada*; Story, *Introduction to The Constitution of the U.S.*; Houston, *Canadian Constitutional Documents*; Christie, *History of Lower Canada*; McEvoy, *The Ontario Township*, (Toronto Univ. Studies, No. 1).

N. B.—Two or three lectures of this course will be occupied with the British North America Act, and will be arranged so as to assist the Pass Students of the Fourth year in the Faculty of Arts. They will be announced a week beforehand.

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§ 4.

## THE HISTORY OF ENGLISH LAW.

*Professor:* THE HON. MR. JUSTICE PROUDFOOT.

SECOND YEAR. (THIRD YEAR IN FACULTY OF ARTS.)

In tracing the history of the English law an attempt is made to ascertain its condition from the Roman Conquest until the Norman Conquest; to discover if any of the original Celtic or Druidical laws continued in force during the Roman occupation; and to what extent, if at all, the Roman law continued after the Saxon invasions; and what were the laws of the Confessor so much cherished after the Norman Conquest by the conquered race.

The change effected in the law, especially of real property, by the Conqueror and his successors,—the introduction or extension of the feudal system,—the special difference between that system as existing on the continent and in England,—the creation of new tenures,—the great charter and its frequent renewals as showing the condition of the people, and the evils to be remedied.

The great changes effected by the legislation of Edward I and Edward III. The creation of entailed estates,—the long struggle to obtain power to alienate them and its final success. The legislation to restrict alienations in mortmain,—the continuous and skilful means taken to evade the law, and their final defeat. The law giving power to devise lands, and the legislation of Elizabeth to pre-

vent frauds upon creditors and purchasers. The abolition of feudal tenures by Charles II, and the laws of his reign for the prevention of frauds and perjuries,—for the distribution of intestates, personal estates,—and in favour of liberty by rendering the remedy by *Habeas Corpus* more effective. The efforts in the reign of George III to ameliorate the criminal law, and the English Statutes after 1792 that have their counterpart in our Colonial legislation are discussed and explained.

*Books recommended:* Reeve's History of English Law; Hale's History of English Law; Blackstone's Commentaries. Consult also a collection of English Statutes, and the Revised Statutes of Canada, and of Ontario.

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§ 5.

ROMAN LAW.

*Professor:* THE HON. MR. JUSTICE PROUDFOOT.

THIRD YEAR. (FOURTH YEAR IN FACULTY OF ARTS.)

The lectures on Roman Private Law comprise a rapid sketch of the history of the law from the time of the decemviri to the death of Justinian; giving an account of the growth of the unwritten law; of judicial legislation to the suppression of the formulary system by Diocletian, and from that time to the death of Justinian; and treating of the statutory legislation during the Republic and under the Empire; and of the several attempts to form a code, finally terminated by the work of Justinian.

The larger number of lectures is devoted to the substance of Roman Law during the reign of Justinian, embracing a description of the persons and things recognized by the law; and as to the creation, extinction, and exercise of rights, and to the performance of duties; as to the rights of ownership, and the qualification of them; as to the modes of acquiring ownership, and the modes of protecting it. The nature and objects of obligations, the parties to them, and the extinction of obligations by fulfilment or otherwise are discussed. The constitution of the Roman Family is explained, and the laws applicable to its different members, as husband and wife,

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parents, children, and slaves, are noticed and commented on. The offices of guardians and trustees, and the rights, duties, responsibilities, and liabilities of guardians and trustees are stated and explained.

The rules of succession to an intestate, the selection of an heir in such case by operation of law, and the changes in the law at different periods, ending in the final legislation of Justinian, are stated and explained. The law of testamentary succession, the various kinds of wills, the duties of the heir, the gift of legacies, and the history of trust gifts and codicils are explained.

The remedial processes for the protection and enforcement of rights are traced from the *legis actiones*, the changes effected by the formulary system, the summary jurisdiction of the prætor, the abolition of the formulary system, terminating in the *extraordinaria cognitio*. The system of judicial administration in the time of Justinian, and the progress of a suit in his time are explained.

The series is closed by a discussion of the law as to specific performance of contracts; of the law as to frauds upon creditors; and an examination of the influence of Christianity upon Roman legislation.

*Books recommended:* Muirhead's Historical Introduction to the Private Law of Rome; Sandars' Justinian; Institutes of Gaius, translated by Muirhead. The Digest, the Code, and the Novels should also be consulted.

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§ 6.

JURISPRUDENCE.

*Professor:* THE HON. MR. JUSTICE PROUDFOOT.

SECOND YEAR. (THIRD YEAR IN FACULTY OF ARTS.)

In lecturing on this subject the attention of the student is directed to the definition and analysis of *law* and of *rights*, to the sources of law,—to the classification of rights,—to the consideration of antecedent rights *in rem* and *in personam*, and to remedial rights, and to adjective private law,—to the nature of public law and its various divisions,—to international law, and to the application of law.

*Books recommended:* Holland, Elements of Jurisprudence; Austin, Elements of Jurisprudence (Campbell's Students' edition); Maine, Ancient Law; Maine, Early History of Institutions, Lectures XII, XIII.

## § 7.

## CONSTITUTIONAL LAW.

*Professor*: THE HON. DAVID MILLS, LL.B., Q.C.

*Honorary Lecturer*: THE HON. EDWARD BLAKE, M.A., LL.D., Q.C.

Subjects of examination and of lectures :

## SECOND YEAR. (THIRD YEAR IN FACULTY OF ARTS.)

English and Colonial Constitutional Law.

*For reference*: Dicey, *Law of the Constitution*; Hearne, *Government of England*; Traill, *Central Government*.

## THIRD YEAR. (FOURTH YEAR IN FACULTY OF ARTS.)

Federal Constitutional Law.

*For Reference*: O'Sullivan, *Government of Canada*; Todd, *Parliamentary Government in the British Colonies*; *The Federalist*; Cooley, *Principles of Constitutional Law in the United States*; Boutmy, *Etudes du Droit Constitutionnel*; Maine, *Popular Government, Essay IV*.

## § 8.

## INTERNATIONAL LAW.

*Professor*: THE HON. DAVID MILLS, LL.B., Q.C.

Subjects of examination and of lectures :

## THIRD YEAR. (FOURTH YEAR IN FACULTY OF ARTS.)

International Law.

*For Reference*: Hall, *International Law*; Wheaton's *International Law*, (ed. by Boyd).

## FOURTH YEAR.

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## § 9.

## SECOND YEAR. (THIRD YEAR IN FACULTY OF ARTS.)

(1) *Criminal Jurisprudence.*

*Honorary Lecturer:* BRITTON BATH OSLER, LL.B., Q.C.,

Definition and scope of criminal jurisprudence; law and morality; definition of crime; early history of criminal law; Curia Regis; Circuits; Quarter Sessions; growth of jury; character of punishments; introduction of English Criminal Law into Canada; establishment of courts in Upper Canada.

## FOURTH YEAR.

(2) *Equity Jurisprudence.*

*Honorary Lecturer:* CHARLES MOSS, Q.C.,

(3) *Comparative Jurisprudence of Ontario and Quebec.*

*Honorary Lecturer:* JOHN J. MACLAREN, LL.D., Q.C.

Students are expected to acquaint themselves with the general history of the courts of common law and equity, and with the outlines of existing English law, so far as set forth in the following works: Blackstone (Students' ed.), by Kerr; Stephen, *History of Criminal Law*, vol. I; Pollock, *Land Laws*; Haynes, *Outlines of Equity*.

## § 10.

## COMMERCIAL AND MARITIME LAW.

*Honorary Lecturer:* Z. A. LASH, Q.C.

## FOURTH YEAR.

The lectures for 1891-1892 will deal with such topics as the following:

Contracts of sale of goods; bills and notes; shipping; agency; partnership; insolvency and bankruptcy; banking.

## § 11.

## GENERAL JURISPRUDENCE.

## FOURTH YEAR.

(1) *Civil Rights.**Honorary Lecturer:* D'ALTON MCCARTHY, Q.C.(2) *Wrongs and Remedies.**Honorary Lecturer:* THE HON. MR. JUSTICE McMAHON.(3) *Professional Ethics.**Honorary Lecturer:* THE HON. SAMUEL H. BLAKE, B.A., Q.C.

Importance of the legal profession, evidenced by its direct influence upon legislation and jurisprudence, and its indirect influence upon the community at large; need of rules for the guidance of professional conduct; ethical questions arising from the relations of the lawyer to the courts, his professional brethren, and clients.

## § 12.

## MUNICIPAL INSTITUTIONS.

*Honorary Lecturer:* W. R. MEREDITH, LL.D., Q.C.

## FOURTH YEAR.

Sketch of the municipal institutions of Ontario, and of the law relating to them.

(For subject of ethnology in Third year see p. 122.)

The subjects of examination in the Fourth year are as follows :

1. CONTRACTS ..... Anson on *Contracts*.
2. REAL PROPERTY ..... Leith's *Blackstone*.
3. TORTS ..... Pollock on *Torts*.
4. DOMESTIC RELATIONS.... Eversley on *Domestic Relations*.
5. CORPORATIONS ..... Lindley on *Corporations*.
6. CRIMINAL LAW ..... { Harris, *Criminal Law*.
7. COMMERCIAL LAW ..... { Taschereau, *Criminal Statutes of Canada*.
8. EQUITY ..... Smith, *Mercantile Law*.
9. CONFLICT OF LAWS.... Snell, *Principles of Equity*.
- ..... Westlake, *Private International Law*.

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## Faculty of Arts.

### ENTRANCE.

Candidates may enter this Faculty by passing the Junior Matriculation examination, (see appendix, p. 1) or the Senior Matriculation examination (First year), or at the examination of the Second year (see page 149).

Candidates for Junior Matriculation must have completed the fifteenth year of their age.

All candidates entering at the Junior Matriculation examination must take the pass subjects in Latin, Mathematics, English, History and Geography, and in one of the following groups: (a) Greek; (b) French and German; (c) French, and either Physics or Chemistry; (d) German, and either Physics or Chemistry.

Candidates intending to take during their University course any one of the following honor departments, viz.: Political Science, Mathematics and Physics, Chemistry and Mineralogy, Natural Sciences, are recommended to take French and German at Matriculation; since these languages must be taken in connection with the above-named honor departments. For a similar reason candidates intending to take during their University course either the honor department of Philosophy or that of Oriental Languages are recommended to take Greek, French, and German at Junior Matriculation.

All candidates entering at the Senior Matriculation examination must take the pass subjects in Latin, English, History, Mathematics, either Greek, or French and German, and one of the three sciences—Chemistry, Biology, Geology, specified below under the title of First year. (Note: Hebrew may be substituted for French or German). Candidates who purpose taking the honor course in Philosophy are recommended to take French and German as well as Greek, in view of the course for Second year prescribed on p. 155; and candidates who intend taking the honor course in Political Science are recommended to take French and German, either instead of or along with Greek, in view of the course for Second year prescribed on p. 154. Candidates for Senior Matriculation may present themselves either in May, and

compete with the undergraduates for honors and scholarships, or at a special examination in September, at which no honors or scholarships are awarded.

An undergraduate in the Faculty of Arts, in any University in Her Majesty's dominions, may enter by being admitted "*ad eundem statum*," on special application to the Senate.

If such application be for admission to the standing of the Third or Fourth year in this University the Senate will, if it sees fit to grant the same, prescribe the subjects of examination in which such applicant shall be required to pass before proceeding to the Degree, having regard to the subjects in which he has already passed satisfactory examinations in his own University.

If such applicant be admitted to a lower standing in this University than he held in his own University, he may not compete for scholarships at the next ensuing examination; but if he obtain honors he shall, at the next succeeding examination, enjoy the same rights and privileges with respect to obligatory subjects, as an original undergraduate of this University who has passed an examination of the same merit.

The ordinary annual examinations for Matriculation (both pass and honor) will commence in the beginning of July, and applications therefor must be sent to the Education Department before June 1st.

Supplemental examinations for Matriculation will be held in the University about the middle of September, at which those who are rejected at the July examination, as well as new candidates, may present themselves; but no honors or scholarships will be awarded at such examinations.

The fee for Matriculation is five dollars, and must be paid when the application for the examination is made.

The special examination for Senior Matriculation, previously referred to, will be held at the same time as these supplemental examinations.

Candidates for entrance must produce satisfactory certificates of age and of good conduct.

The fee for admission "*ad eundem statum*" is six dollars, and must be paid to the Registrar at the time of application.

Until the Senate by resolution otherwise determines, the standing of candidates who have passed, or may hereafter pass, the examinations of the Department of Education for First or Second

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Class Teachers' Certificates, is accepted *pro tanto* at any Junior Matriculation examination, provided always that all candidates for scholarships shall take the full Matriculation examination at Toronto, and shall notify the Registrar of their intention before the 15th of June.

First Class Teachers' certificates are accepted *pro tanto* at the Senior Matriculation and First year examinations. Teachers holding Grades A and B are allowed the options granted to honor men in the subjects in which these certificates have been granted: thus those having these grades in Mathematics will be recognized as in the honor department of Mathematics; and those having these grades in English will be recognized as in the honor department of Modern Languages on passing in pass and honor French and German in addition to other necessary subjects.

Certificates of having passed the First examination in the School of Practical Science are accepted *pro tanto* at the Senior Matriculation and First year examinations, *i.e.*, the examinations in Mathematics and Chemistry are not required from the holders of such certificates.

Candidates who desire to compete at the First year examinations for scholarships or relative standing cannot exercise the privilege referred to in the two preceding paragraphs.

Candidates entering at the examination of the Second year, and Undergraduates of First year standing who desire to take the Second year's examination, must, in addition to the subjects required for it, pass examinations on the subjects of the First year, according to the following scheme:—

For all who intend to pursue the pass course:—*Mathematics, History, English, and Chemistry or Biology or Geology.*

For those who intend to enter any of the honor departments, as follows:—

- I. CLASSICS:—*Mathematics; English; History.*
- II. MODERN LANGUAGES:—*Mathematics; Chemistry or Biology or Geology.*
- III. ORIENTAL LANGUAGES:—*Mathematics; Latin or Greek (according as Greek or Latin is taken in Second year); French or German; English.*
- IV. POLITICAL SCIENCE:—*Mathematics; History; Chemistry or Biology or Geology; English.*

- V. PHILOSOPHY :—*Mathematics ; English ; History ; Chemistry or Biology or Geology ; Latin* (if not taken in Second year).  
 VI. MATHEMATICS AND PHYSICS :—*English ; Latin or Greek.*  
 VII. CHEMISTRY AND MINERALOGY :—*Mathematics ; English ; Latin or Greek.*  
 VIII. NATURAL SCIENCES :—*Mathematics ; English ; Latin or Greek.*

### I. REGULATIONS RELATING TO ALL UNDERGRADUATES.

Undergraduates are required to attend as Matriculated students, one of the Colleges affiliated to the University of Toronto, except in those cases in which the Senate, in consideration of peculiar circumstances, shall dispense with such attendance. All applications for such dispensation must be lodged with the Registrar before January 15th.

Every undergraduate who has not received such dispensation from the Senate for any particular year, must, before being admitted to examination, produce to the Registrar from the Head of the affiliated College which he has attended during the year, a certificate of attendance and of compliance with the requirements of that College.

Notice of the time of commencement of the undergraduate examinations will be given annually in January.

In case of students in affiliated Colleges, the Second and Third years' examinations are conducted by their respective professors, or lecturers, conjointly with associate examiners appointed by the senate; and such examinations are held at the same time as the examinations in the University.

Students of the Second and Third years attending lectures at an affiliated College are examined on the subjects of such lectures by the professors, or lecturers whose lectures are so attended, conjointly with the University associate examiners. Associate examiners are not appointed in the case of the theological options specified on page 151.

Students who have obtained special exemption from attending lectures in the Second or Third year, are examined as if they were students of University College, except in such cases as the Senate may, on application, otherwise direct.

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Candidates in all the years are required to send to the Registrar of the University, at least three weeks before the commencement of each examination, an application for examination according to a printed form to be obtained from the Registrar, and such application must be accompanied by the fee of five dollars.

II. REGULATIONS RELATING TO THE PASS COURSE.

The subjects to be taken by those pursuing the pass course, with the options permitted, are set forth in the following schedule :

FIRST YEAR . . . . .	}	Latin ; English ; History ; Mathematics ; either Greek, or French and German ; any one of the three sciences—Chemistry, Biology, Geology.
SECOND YEAR ..		Latin ; English ; History ; Philosophy ; Physics ; either Greek, or French and German.
THIRD YEAR . . . . .	}	Latin ; English ; either Greek, or French and German ; any two of the three departments—History and Political Science, Philosophy, Physics.
FOURTH YEAR ..		Latin ; English ; either Greek, or French and German ; any two of the three departments—Political Science, Philosophy, Mathematics and Physics.

NOTE.—Hebrew may be substituted for French or German in each of the four years.

Undergraduates in the pass course in the Third and Fourth years may, in lieu of one or more of the subjects prescribed for each of these years, take certain of the following subjects, namely, Biblical Greek, Biblical Literature, Apologetics, and Church History, according to the following scheme :

		THIRD YEAR.
BIBLICAL GREEK . . . . .	}	May be substituted for the prescribed classical Greek.
BIBLICAL LITERATURE OR CHURCH HISTORY ..		May be substituted for the Modern History of the Political Science subject.
APOLOGETICS . . . . .	}	An undergraduate who takes Philosophy may substitute Apologetics for Ethics.

## FOURTH YEAR.

BIBLICAL GREEK .....	}	May be substituted for the prescribed classical Greek.
BIBLICAL LITERATURE OR CHURCH HISTORY OR APOLOGETICS .....		
	}	May be substituted for Political Science or Philosophy.

Undergraduates who exercise these options must present certificates of having attended lectures, and passed examinations in the subjects so selected at an affiliated or federating College or University other than University College. The minimum for passing at such examinations must not be less than the minimum required at the University examinations of the same year.

Undergraduates of any year, who have been rejected, or who have been prevented from attending the annual examinations in May by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination in September, at the time of the Senior Matriculation examination. But candidates who have failed to attend at the May examinations, must prove to the satisfaction of the Vice-Chancellor, before presenting themselves in September, the existence and sufficiency of the alleged cause of absence, and all such cases shall be subsequently reported to the Senate.

A candidate for examination of any year in the pass course who has failed in not more than two subjects of the examination, may be allowed to present himself at the next ensuing Supplemental examinations in the subject or subjects only in which he has so failed; and a candidate for examination of any year in an honor department, who has failed in not more than one of the pass subjects attached to his honor department, may be allowed to present himself at the next ensuing supplemental examinations in that subject only in which he has so failed. No candidate whether in the pass or honor course shall be allowed to enter upon the next succeeding year of his course until he has passed the subject or subjects in which he has failed at the supplemental examination in September, or at the time of any succeeding annual examinations in May; but no candidate taking a supplemental examination at the time of the annual May examinations shall be allowed to present himself at the same examination in the subjects of any succeeding year of his course.

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Candidates who were rejected must pay a fee of ten dollars before offering themselves for the supplemental examination.

A student who has been pursuing the pass course, but who has also succeeded in taking honors in some department in any year of his course, may apply to the Senate to be permitted to take such honor course, as if he had originally entered thereon; and such application may be granted, the Senate having due regard to the subjects on which he has already been examined.

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### III. REGULATIONS RELATING TO THE HONOR COURSE.

In this course there are eight honor departments, viz. : I. Classics ; II. Modern Languages ; III. Oriental Languages ; IV. Political Science ; V. Philosophy ; VI. Mathematics and Physics ; VII. Chemistry and Mineralogy ; VIII. Natural Sciences.

Candidates pursuing department II will be allowed at and after the examinations of 1893 to take either Teutonic or Romance languages in their Fourth year.

Candidates pursuing department VI are allowed to take either Mathematics or Physics in their Fourth year.

Candidates pursuing department VIII are allowed to take either Division I or Division II in their Fourth year.

An undergraduate is entitled to admission to the degree of Bachelor of Arts, if in each year of his course he passes the examination in the pass and honor subjects of one of these departments (except in the department of Political Science of which the honor subjects only are required), and also the pass examinations in the subjects, and at the respective times mentioned in the following schedule :—

HONOR DEPARTMENT.	ADDITIONAL PASS EXAMINATIONS.	YEAR OF COURSE IN WHICH TO BE TAKEN.
I. Classics .....	Pass English of the First Year .....	1st Year.
	Pass Mathematics of the First Year .....	1st Year.
	Pass History of the First and Second Years .....	1st and 2nd Years.
	Pass French or German or Hebrew of the First and Second Years .....	1st and 2nd Years.
	Pass Philosophy of the Second Year. . . The History of Ancient Philosophy of the Third Year, Honor Department of Philosophy. (Only pass standing required) .....	2nd Year. 3rd Year.
II. Modern Languages. ....	Pass Mathematics of the First Year ....	1st Year.
	Pass Chemistry, or Biology, or Geology of the First Year .....	1st Year.
	Pass Latin of the First and Second Years .....	1st and 2nd Years.
	Pass Philosophy of the Second Year .... Pass History of the Second and Third Years .....	2nd Year. 2nd and 3rd Years.
III. Oriental Languages .....	Pass Latin and Greek of the First Year	1st Year.
	Pass English of the First Year. ....	1st Year.
	Pass History of the First Year .....	1st Year.
	Pass Mathematics of the First Year.....	1st Year.
	Pass French or German of the First and Second Years (German recommended.)	1st and 2nd Years.
	Pass Latin or Greek of the Second Year.	2nd Year.
	Pass Philosophy of the Second Year ....	2nd Year.
	Pass English or History of the Second and Third Years.....	2nd and 3rd Years.
Pass Ethic of the Third Year. ....	3rd Year.	
IV. Political Science	Pass Latin, or Greek, or French, or German of the Third and Fourth Years .....	3rd and 4th Years.
	Pass Mathematics of the First Year ....	1st Year.
	Pass History of First Year .....	1st Year.
	Any two of the three Pass languages of the First Year — Greek, French, German. (French and German recommended) .....	1st Year.
	Chemistry, or Biology, or Geology of the First Year. (Biology recommended.)	1st Year.
	Pass Latin of the First and Second Years .....	1st and 2nd Years.
	Pass English of the First and Second Years .....	1st and 2nd Years.
	Pass French of Second Year .....	2nd Year.
	Pass German of the Second Year .....	2nd Year.
	Pass Psychology or Physics of the Second Year .....	2nd Year.
	Pass French or German of the Third Year .....	3rd Year.

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HONOR DEPARTMENT.	ADDITIONAL PASS EXAMINATIONS.	YEAR OF COURSE IN WHICH TO BE TAKEN.
V. Philosophy .....	Pass Latin, English, History and Mathematics of the First Year .....	1st Year.
	Pass Chemistry, or Biology or Geology of the First Year. (Biology recommended.) .....	1st Year.
	* Any two of the three Pass languages of the First Year — Greek, French, German .....	1st Year.
	Pass Greek of the Second Year ..	2nd Year.
	{ Pass French of the Second and Third or [Years..	2nd and 3rd Years.
	{ Pass Hebrew of the Second Year ..	2nd Year.
	† Pass German of the Second and Third Years .....	2nd and 3rd Years.
	Pass English or History of the Third Year .....	3rd Year.
	Pass Optics of the Third Year. ....	3rd Year.
	Pass Greek (Plato only) of the Fourth Year .....	3rd Year.
Pass Economics of the Fourth Year ..	4th Year.	
VI. Mathematics and Physics .....	Pass English of the First Year .....	1st Year.
	Pass Latin or Greek of the First Year ..	1st Year.
	Pass French and German of the First and Second Years .....	1st and 2nd Years.
	Chemistry of the Second Year. (Only Pass standing required) .....	2nd Year.
VII. Chemistry and Mineralogy ....	Practical Chemistry of the Third Year. (Only Pass standing required).....	3rd Year.
	Pass English of the First Year .....	1st Year.
	Pass Mathematics of the First Year, with Permutations, Combinations and Binomial Theorem .....	1st Year.
VIII. Natural Sciences .....	Pass Latin or Greek of the First Year ..	1st Year.
	Pass French and German of the First and Second Years .....	1st and 2nd Years.
	Pass English of the First Year .....	1st Year.
	Pass Mathematics of the First Year ..	1st Year.
	Pass Psychology of the Second Year....	2nd Year.

\* In view of the course for Second Year, it is recommended that candidates in this department take all three of the above languages in the First Year; Hebrew, however, may be substituted for French.

† Students at St. Michael's College are allowed to substitute Latin of the Second and Third Years for German.

Undergraduates in the honor departments of Philosophy and Oriental Languages may, in the Third year, substitute Biblical Literature or Church History for History. Undergraduates in the Honor department of Philosophy may also substitute Biblical Greek for the pass classical Greek (Plato) to be taken in the Third

year, and Biblical Literature or Apologetics for the pass Economics of the Fourth year. Undergraduates in the honor department of Oriental Languages may also substitute Biblical Greek for the pass classical Greek of the Third and Fourth years. Those exercising these options must present certificates of having attended lectures and passed examinations in the subjects so selected at an affiliated College other than University College. The minimum for passing at such examinations must not be less than the minimum required at the University examinations of Third year. These examinations do not count for honors.

In the honor department of Philosophy two distinct examinations are held in the Fourth year upon the two systems of Philosophy taught in the confederating Arts Colleges.

A candidate for honors in any of these departments is required each year to take the pass papers set in the subjects of his department for that year, except in the department of Political Science, in which only the honor papers are required.

Candidates in the honor subjects of Physics, Chemistry, Biology, and Mineralogy and Geology, will be ranked in the class lists on practical work done in the laboratories of the respective departments during the session; and no candidate will be allowed to proceed to examination in any of these honor subjects unless he presents to the Registrar a certificate from the Professor that he has attained honor standing in the practical work of that subject.

A candidate pursuing the honor course in any one of these departments may, after passing in honors the examination of any year, apply for leave to take the pass course during the remainder of his undergraduateship.

A candidate pursuing the honor course, who fails to take honors in his department, shall not be considered to have passed the examination of the year, excepting that in the departments of Modern Languages, Political Science, Philosophy, Chemistry and Mineralogy, and Natural Sciences, a candidate who in any one branch has failed to obtain the full percentage requisite for ranking in honors may, on the special recommendation of the examiners, be allowed to proceed as an honor candidate in the department in the following year. A candidate who has failed may at his option again present himself for the examination in which he failed, or, upon application to the Senate, may be permitted to take the ordinary supplemental pass examination in September, with such of the previous pass subjects

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as may appear requisite in view of the extent and character of the examinations he has already passed.

A candidate who competes for honors at the examination for B.A., and fails to obtain the requisite number of marks to entitle him to be classed in honors, may, on the recommendation of the examiners, be awarded a degree without honors; it being at the option of the candidate to accept the award of such a degree, or to wait until a subsequent examination and again compete for a degree in honors.

An undergraduate who has obtained honors in any one of these departments may transfer himself to any other department, and proceed therein, but as a prerequisite to obtaining the Degree of B.A. he must during his course have passed the examinations in pass subjects annexed to the honor department to which he is transferred.

DEGREE OF M.A.

Candidates for the Degree of M.A. must have been admitted to the Degree of B.A., must be of the standing of one year from admission to the Degree of B.A., and must have sent in an approved thesis upon some subject in one of the departments in the Faculty of Arts.

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	M.A. . . . . " "
For admission to a higher year on the certificate of the Head of an affiliated College . . . . .	Five "
For dispensation from attendance at lectures in an affiliated College . . . . .	Two "
For certificates of Honor, each . . . . .	One "

Matriculated undergraduates who are registered students of University College, or of any federating University or College, may attend lectures of University professors and lecturers in the Faculty of Arts without payment of fees, except those imposed for laboratory work ; but such students must enter their names with the Registrar of the University.

The annual fees for all other students attending lectures in the Faculty of Arts are as follows :—

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The fee for each examination must accompany the application to the Registrar.

The fee for admission *ad eundem statum*, for change of faculty, for admission to a higher year on the certificate of the Head of an affiliated college, for dispensation from attendance at lectures, or for certificates of honor, must be paid to the Registrar at the time of the application for such.

For fees for supplemental examinations, *vide ante* page 153.

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## UNIVERSITY PRIZES AND SCHOLARSHIPS.

### SCHOLARSHIPS.

The following scholarships have been founded and endowed in the University and are open for competition to all undergraduates in Arts, who are candidates for honors in the departments and years to which they are assigned :

#### GENERAL PROFICIENCY.

THE PRINCE OF WALES SCHOLARSHIP, of the value of \$50, the gift of his Royal Highness the Prince of Wales. It is awarded at the Junior Matriculation examination to the candidate, who, having obtained First Class honors in any two of the departments of Classics,

Mathematics, and Modern Languages, shall have obtained the highest aggregate number of marks in two departments; and in the event of such scholarship not being taken at any Junior Matriculation examination it will be awarded to the candidate (if any) at the ensuing First year's examination who shall answer the same conditions. This scholarship is tenable in conjunction with any other scholarship or scholarships.

In awarding this scholarship the comparative value of the several departments and sub-departments is estimated according to the following schedule :

Greek .....	400
Latin.....	400
Mathematics .....	800
English.....	300
French .....	250
German.....	250

POLITICAL SCIENCE.

THE BLAKE SCHOLARSHIPS, two of the value of \$75 each, and two of the value of \$50 each. The gift of the Chancellor of the University, Hon. Edward Blake. These scholarships are open for competition alike to students in Arts in the Honor department of Political Science, and to undergraduates in the Faculty of Law, taking the same examinations.

THE RAMSAY SCHOLARSHIP in Political Economy, of the value of \$60. The gift of Mr. William Ramsay. This scholarship is open for competition to all graduates or undergraduates who have been placed in the First Class in one of the Economic subjects of the Fourth year in the honor department of Political Science (Third year in the Faculty of Law); but not more than two years must have elapsed since the competitor passed the examination above named. The award is made upon an essay, the subject of which shall be some question in Economics or Finance of interest to the commercial community in Canada, to be announced in May of each year, and the competition shall close on the 15th of August thereafter, by which date the essays must be sent to the Registrar.

THE BANKERS' SCHOLARSHIP in Political Science of the value of \$70. The gift of the Canadian Bank of Commerce, the Dominion, Imperial, Standard, and Traders' Banks, and the Union Bank of Lower Canada. Only such candidates are eligible as are of one year's standing and have passed the examination of the First year. A special examination on some special text-book of history or finance will be held at the time of the supplemental examinations in September. This scholarship is not tenable with any other.

#### CLASSICS.

THE MARY MULOCK CLASSICAL SCHOLARSHIP, of the value of \$120. The gift of the late Mrs. Mulock.

THE MOSS CLASSICAL SCHOLARSHIP, of the value of \$120. Founded by subscription in honor of the late Hon. Chief Justice Moss, Vice-Chancellor of the University.

For other scholarships and prizes in classics *vide* p. 84-86 under University College.

#### MATHEMATICS AND PHYSICS.

THE WILLIAM MULOCK SCHOLARSHIP in Mathematics, of the value of \$60. The gift of William Mulock, M.A., Vice-Chancellor of the University.

Two scholarships in PHYSICS of the value of \$100 and \$45 respectively. The gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science. In awarding these scholarships, the theoretical and practical work in the department will be estimated in the proportion of three to one.

#### CHEMISTRY AND NATURAL SCIENCE.

THE DANIEL WILSON SCHOLARSHIPS, two of the value of \$60 each. The gift of a friend. In awarding the Daniel Wilson scholarships, the theoretical and practical work in the several subjects will be estimated as follows:—In Chemistry, in the proportion of two to one. In Biology, in the proportion of one to one. In Mineralogy and Geology, in the proportion of two to one.

#### THE 1851 EXHIBITION SCHOLARSHIP.

This post-graduate scholarship of £150 per annum, is the gift of the Commissioners for the Exhibition of 1851, open for competition only to honor candidates in the departments of Physics, and Chemis-



try and Mineralogy, Each candidate must on or before the 1st of March, 1892, send to the Registrar a thesis which must either furnish some evidence of originality, or show the nature of the original research which he proposes to undertake, with a complete historical sketch of the results which have been obtained by previous investigators, giving full references to the original papers. Upon the evidence of such thesis, a nomination will be made to the Commissioners for award of scholarship.

The Scholarship when awarded is tenable for two years, and may by special resolution of the Commissioners be extended to three years. The continuation, each year after the first, depends upon the work done in the previous year being satisfactory to the scientific committee appointed by the Commissioners. The scholarship when awarded is tenable in any University at home or abroad, or in some other institution to be approved of by the Commissioners. The holder must give an undertaking that he will wholly devote himself to the object of the scholarship (viz., the study of those branches of science, the extension of which is important for our national industries), and that he will not hold any position of emolument during its continuance.

The Years and honor departments to which the above-named Scholarships have been assigned are as follows :—

AT THE JUNIOR MATRICULATION EXAMINATION.

One in Classics, (The Mary Mulock Classical Scholarship) of	\$120
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IN THE FIRST YEAR.

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The Bankers' Scholarship of .....	\$70

IN THE SECOND YEAR.

The Blake Scholarships in Political Science and Law, one of	\$75
“ “ one of .....	50
One in Mathematics (The William Mulock Scholarship), of..	60

## IN THE THIRD YEAR.

The Blake Scholarships in Political Science and Law, one of	\$75
“ “ one of .....	50
Two in Physics, one of .....	\$100
“ one of .....	45
One in Chemistry and Mineralogy (The Daniel Wilson Scholarship), of .....	60
One in Natural Sciences (The Daniel Wilson Scholarship), of	60

## POST-GRADUATE.

The Ramsay Scholarship in Political Economy, of .....	\$60
The 1851 Exhibition Scholarship of .....	£150

All undergraduate scholars must sign a declaration of intention to proceed to a Degree in this University, and must attend lectures in some affiliated College for the academic year immediately following such examination; but the Senate may, upon satisfactory reasons being shewn, permit such scholar to postpone attendance upon lectures for a year, in which case the payment of the amount of the scholarship shall likewise be postponed. The scholarships are paid in three instalments—on the fifteenth November, the fifteenth January, and the fifteenth March; and each scholar is required to send to the Registrar a certificate of attendance upon lectures at least three days before the date of each payment.

No scholarship will be awarded to any candidate who has been placed lower than the First Class in the department, or in any of the departments or sub-departments to which the scholarship is attached.

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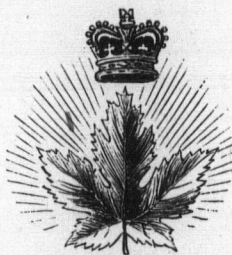
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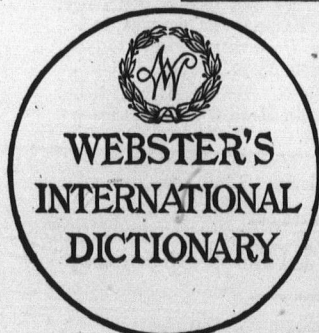
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### REDUCED

We have reduced the prices of Wyeth's Syrup of Hydriodic Acid as follows:

- Per Demijohn, 28 fl. oz. .... from \$ 8.00 to \$5.00
- Per Winchester ..... from 5.25 to 3.50
- Per doz. Bottles, 16 fl. oz. .... from 14.00 to 9.00

**DAVIS & LAWRENCE CO., LIM.,**  
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## TO THE MEDICAL PROFESSION.

We quote the following on therapeutic effects of Sulphur from an article on "The Value of Laxatives in Small Doses" (by Q. C. Smith, M.D., Austin, Texas), which appeared in *Gallard's Medical Journal* for October, 1889:

"Although want of time will not permit us to speak of the many various laxative medicines, either vegetable or mineral, yet the importance and wide application of usefulness of sulphur constrains us to give it at least a passing notice. As you know it is a very ancient remedy, and one in which the public has long had great faith, and uses on frequent occasions. That it should be a valuable medicine when properly administered we would presume, when we remember that it is one of the important normal elements which enters into the composition of the tissues, and fluids, and secretions of the body. Therefore, being a basic alimentary substance, and so nearly related and intimately associated in physiological chemistry and the assimilative process with such important and active substances as oxygen, phosphorus, iron, and manganese, we can readily see that, by proper preparation and administration, it might become a most important remedy for many diseased conditions. And so we find in practice that it is. But we are now permitted to speak of it only as a laxative, for which most useful purpose it is wonderfully well adapted. And as it is necessary that laxatives should be taken regularly for long periods of time, and as it is difficult to induce patients to persevere in the prolonged use of inconvenient or unpleasant remedies, we have taken a hint from Professor Garrod, and requested MESSRS. JOHN WYETH & BROTHER to prepare a compound sulphur lozenge (samples of which we here show you), which are stable in composition, pleasant to the taste, convenient to take, and we believe superior in therapeutic action to the plain sulphur. We have suggested that in future there be added to the present formula (given below) a small portion of some suitable lime-salt—perhaps the bi-sulphite of lime—believing that this addition will increase the solubility and usefulness of the remedy. Besides, the addition of arsenious acid and bi-sulphite of lime will tend to prevent sulphurous eruptions, which are liable to occur in some cases, while these basic substances are also valuable stomachic remedies themselves."

After a more extended use, and close observation of the therapeutic effects of the Compound Sulphur Lozenges, Dr. Smith finds his previous estimate of their value and usefulness increased and confirmed. When prepared according to the foregoing formula, he finds them admirably adapted to the relief of chronic pulmonary and hepatic diseases, cutaneous eruptions, and gastric and intestinal indigestion; and well suited as a pleasant laxative (not *purgative*), to relieve or cure chronic sluggish alvine functions.

Messrs. Wyeth & Bro., prepare two combinations, both of which have been largely used, and with most satisfactory results, in the form of Compressed Tablets, and will add others from time to time, as may be suggested.

### COMPRESSED TABLETS OF SULPHUR AND POTASS BI-TART.

[Formula of SIR A. B. GARROD], Sulphur, 5 grains; Cream Tartar, 1 grain.

Put up in Bottle containing 100 tablets, - - - price 35 cents.

### COMPRESSED LOZENGES OF SULPHUR, COMPOUND.

[Formula of Q. C. SMITH, M.D., Austin, Texas], Sulphur, 5 grains; Cream Tartar, 2 grains; Ext. Ipecac, 1-100 grain; Ext. Capsicum, 1-500 grain; Acid Arsen., 1-1000 grain; Calcium Bi-Sulphite, 1-8 grain.

Put up in 1 lb. bottles - - - - - per lb. \$1.25

Put up in nickel screw cap bottles each containing 30 lozenges, - per doz. bottles, \$2.80

**Davis & Lawrence Co. (Lim.), General Agents,  
MONTREAL, CANADA.**

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## FAIRCHILD BRO'S & FOSTER,

OFFER TO THE MEDICAL PROFESSION

*Pure, active, reliable preparations of the digestive  
ferments in every permanent and useful form.*

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The Pancreatic Ferments in the form of a pure, dry powder ; the well known *Extractum Pancreatis* containing all the active principles of the gland.

The Peptonising Tubes, especially devised for peptonising milk, gruels, etc., by the Fairchild "Practical Recipes."

Peptogenic Milk Powder for the modification of cow's milk to the standard of human milk.

Compound Pancreatic Tablets of Ext. Pancreatis, bismuth, and ipecac,—for intestinal indigestion.

Pepsin in Scales, Powder and Tablets.

Essence of Pepsine, an aromatic and peculiarly agreeable solution from the calf rennet, of the highest peptic and milk curdling activity.

Glycerinum Pepticum, a pure glycerin extract of the pepsin direct from the stomach, free from animal taste or odor and of wonderful activity, 12 m. digesting 2000 grains of egg albumen. Especially useful for physicians who require to dispense their own prescriptions ; it mixes perfectly without precipitation with all proper fluids or media.

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