

COURSE FOR THE ANNE MOLSON MATHEMATICAL PRIZE.

The Mathematical Physics of the Honour Course in the 3rd year, together with the Differential and Integral Calculus (Hall) and Salmon's Geometry of Three Dimensions (Theory of Surfaces of the second order pp 1-10.)

The value of the prize is about \$64. It is open to competition to students commencing the Fourth Year in Arts, in September 1872.

5. NATURAL HISTORY AND GEOLOGY.

B. A. HONOUR COURSE.

Students entering for Honours must have passed creditably the examinations in Elementary Chemistry, Zoology, Botany and Experimental Physics; and should know the elements of Drawing. Students entering for practical purposes will be required only to satisfy the Professor of their fitness for the studies of the class. Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations, in some at least of the subjects of study.

The Lectures will include...

1. An advanced course in General Geology and Paleontology, in connection with which the Students will be required to read Dana's Geology and Lyell's Student's Elements.
 2. Methods of observation and of conducting Geological Surveys. Applications of the science to Mining, Engineering and Agriculture.
 3. Canadian Geology, in connection with which the Students will read Logan's Report of the Geological Survey of Canada, and Dawson's Acadian Geology.
 4. Practical Paleontology and determination of species; with books of reference from the College Library, and specimens from the Museum.
 5. Excursions for Field Work will be undertaken when practicable.
- In addition to the above, the Student is required to pass an examination in any one of the following subjects:--

1. The Systematic part of Botany, as in Gray's "Text Book" and "Manual," and specimens illustrative of these books from the Museum.
2. Huxley's Elements of Comparative Anatomy and Dawson's Handbook of Zoology, and specimens illustrative of the latter.
3. Dana's Mineralogy, and specimens illustrative thereof from the Museum.

§ XI. LIBRARY, MUSEUM, APPARATUS AND OBSERVATORY.

1. THE LIBRARY.

The Library of the Faculty of Arts contains more than 9,000 volumes of standard works, selected with especial reference to the wants of Professors and Student and open to their use during the Session.

The most important additions recently made to the Library are the "Peterson's Path Historical Collection" consisting of 896 volumes of the more rare and valuable works relating to English History; a collection of 222 volumes in Classical Literature presented by Mr. C. Alexander, and the Library of Dr. John Robson of Warrington, England, presented by him, consisting of 2597 volumes, and 327 Pamphlets.

(The above statement does not include the Library of the Medical Faculty, which contains upwards of 4,000 volumes.)

II. THE MUSEUM OF NATURAL HISTORY.

1. ZOOLOGY. In this department the Museum contains a general collection of specimens, illustrating the Orders and characteristic Genera of the Animal Kingdom,