

dents are recommended to use with this an "Easy Guide to the Constellations," by Gall.

Fourth Year.—ASTRONOMY.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subject will be given before Christmas.

8. EXPERIMENTAL PHYSICS.

(W. C. McDONALD PROFESSORSHIP.)

Professor :—JOHN COX, M.A.

Third Year.—Sound, Electricity and Magnetism.—Laws of Energy.

Fourth Year.—Heat and Light.

In each year two hours a week will be devoted to fully illustrated experimental Lectures on the subjects named. Courses of practical work in the Physical Laboratory in the McDonald Physics building are arranged so that experiments, chiefly quantitative, bearing on the subjects treated in the Lectures, may be performed by the Students themselves. Opportunity is given to learn the nature and use of the principal instruments employed in the exact and practical measurement of physical quantities.

9. GEOLOGY, MINERALOGY AND PETROGRAPHY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor :—SIR J. WM. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph.D., F.G.S., Professor of Mineralogy.

FRANK D. ADAMS, M. Ap. Sc., Ph. D., F. G.S. A. Lecturer on Petrography and Physical Geology.

Fourth Year (1)—MINERALOGY AND PETROGRAPHY.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

(2) PHYSICAL GEOLOGY AND STRATIGRAPHY.—Denudation and Origin of Aqueous Deposits; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Origin of Mountains; Field Geology and Construction of Geological Maps and Sections.

(3) CHRONOLOGICAL GEOLOGY AND PALÆONTOLOGY.—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each. Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

TEXT-BOOKS.—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the Library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., *infra*.

The Geology course is especially fitted to those students who have taken the Natural Science studies of the previous years, but others are not excluded.