

XI. FRENCH OR GERMAN.

French.—Professor.— P. J. DAREY, M.A., B.C.L.

German.—Lecturer.— P. TOEWS, N.A.

Students of this Faculty are required to take the course in one of these languages provided by the Faculty of Arts.

XII. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

§ X. TEXT BOOKS.

Applied Mechanics :—Bovey, Cotterill, *Rankine, *Collignon, *Weisbach, Reuleaux.

Hydraulics :—Merriman, *Weisbach.

Machinery, etc. :—Goodeve (new edition), *Willis, Rankine, Kennedy, *Knight, Rose, *Shelley, *Fairbairn, Unwin.

Heat and Heat Engines :—Holmes, *Jamieson, *Maxwell, Tait, Wilson, Rankine, Rigg, Marks.

Moulding and Founding :—Overman.

Materials :—Notes on Building Construction, *Gilmore, Thurston.

Descriptive Geometry :—Millar's Descriptive Geometry.

Surveying :—Gillespie's Land Surveying (new edition). *Johnson's Surveying.

Geology :—Dana's Geology; Dawson's Handbook of Zoology and Lecture Notes on Geology, *Nicholson's Palæontology, *Geological Survey Reports, *Dawson's Acadian Geology.

Mineralogy :—Dana's Manual, *Dana's Descriptive Mineralogy.

Blowpipe Analysis :—Brush's Determinative Mineralogy and Blowpipe.

Botany :—Gray and Bessey.

Chemistry :—Remsen's Compounds of Carbon, Thorpe & Muir's Qualitative Chemical Analysis, Fresenius' Manuals of Qualitative and Quantitative Analysis, *Watt's Dictionary of Chemistry, *Roscoe & Schorlemmer's Treatise on Chemistry, *Miller's Elements of Chemistry.

N.B.—The Text Book on Chemistry for the First Year will be announced at the commencement of Session 1889-90.

Metallurgy :—Greenwood's Manual of Metallurgy.

Assaying :—Rickett's Notes on Assaying, Chapman's Assay Notes.

Mathematics :—Todhunter's Euclid, Colenso's Algebra (Part 1), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Briggs's Analytic Geometry, Peck's Calculus, Goodeve's Principles of Mechanics, Chambers' Practical Mathematics, Chambers' Mathematical Tables.

* *Books of Reference.*