

Fourth Year.—ADDITIONAL COURSE. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. No Student will be admitted to the Course in the Fourth Year without having followed that for the Third Year.

TEXT-BOOKS.—Goebel's Outlines of Classification and Special Morphology.

Fee for Additional Course, \$10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

12. CHEMISTRY.

(DAVID J. GREENSHIELDS PROFESSORSHIP OF CHEMISTRY AND MINERALOGY.)

Professor :—B. J. HARRINGTON, B.A., PH.D.

Sessional Lecturer :—NEVIL N. EVANS, B.A.SC.

First Year.—A course of Lectures preparatory to the course in Natural Science.

The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the Laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements, and many of their compounds, etc. A few Lectures are usually devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, etc. During the course attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

TEXT-BOOK.—Remsen's Introduction to the study of Chemistry.

Third Year.—ADDITIONAL DEPARTMENT (*The Chemistry of the Metals, or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Fresenius' Qualitative Chemical Analysis, two afternoons a week.

Fourth Year.—ADDITIONAL DEPARTMENT.—A course of Practical Chemistry, in continuation of that of the Third Year.

NOTE.—The chemical laboratories are capable of accommodating about forty students, and afford excellent facilities for practical work. Students in Arts taking classes in Practical Chemistry pay a special fee of ten dollars for the session.

13. METEOROLOGY.

Superintendent of Observatory :—C. H. McLEOD, M.A.E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the 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.