Fourth Year.

APPLIED CHEMISTRY.

In this course the application of Chemistry to the Arts and Manufactures, and to the ordinary purposes of life, will be more fully entered into; as for instance, glass making, china and pottery, gas, sugar, calico-printing, dyeing, tanning, preservation and preparation of food, metallurgic processes, &c., &c.

The Lectures will be illustrated by diagrams, models, and specimens of manufacture.

Books of Reference: Knapp's Technology; Ure's and Tomlinson's Dictionary; Wagner's Technology; Bolley's *Technologie.*

ANALYTICAL CHEMISTRY.

In this short course, the preparation of pure re-agents, the use of analytical apparatus, the detection of poisons, and the general process of qualitative analysis will be discussed.

Text Books: Fresenius's or Noad's Qualitative Analysis; Croft's Course of Practical Chemistry; Thorpe's Quantitative Analysis.

ORGANIC CHEMISTRY.

Text Book: Wöhler. *Reference:* Fownes's, Vol. II., Naquet.

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§ 7.

NATURAL HISTORY.

Including Zoology and Botany.

Professor.—R. RAMSAY WRIGHT, M.A., B.Sc. (Edin.)

Three courses of Lectures are given in this department: an introductory course for Students of the First and Second Years, a detailed course for Students of the Third Year, and a specialized course for Students of the Fourth Year.

I.—Introductory Course.

The Michaelmas Term will be chiefly occupied by a course of Lectures on the Structure and Physiology of Plants; thereafter the subject of Animal Physiology will be taken up, chiefly as an introd-