

The Lectures will be illustrated by experiments, specimens, diagrams, and an extensive collection of models and physical apparatus.

The useful application of the science to manufactures, the arts, pharmacy and medicine, will be made particularly prominent. The detection of poisons and adulterations, as well as testing in general, will also be fully considered.

(*Text-books*—Fownes's Elements of Chemistry; Graham's Elements of Inorganic Chemistry; Lardner's Hand-book of Heat and Electricity, or Miller's Chemical Physics.)

APPLIED CHEMISTRY.

THIRD YEAR.

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.

(*Text-books*—Knapp's Technology; Ure's and Tomlinson's Dictionary.)

ORGANIC CHEMISTRY.

FOURTH YEAR.

In this course an acquaintance with Inorganic Chemistry and with the general principles of the science is presupposed, and more attention will be paid to the vegetable and animal departments than in the second year's course.

The various theories and practical applications will be made more prominent.

(*Text-books*—Gregory's Hand-book of Organic Chemistry; Croft's Synopsis.)

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, and an introduction given to the study of quantitative operations.

(*Text-books*—Fresenius' or Nood's Qualitative Analysis; Croft's Course of Practical Chemistry.)