

SPANISH.

*Grammar (De Vere's); *Quintana, Vida del Cid, and El Gran Capitan; *Moratin, El si de las Niñas; Translation from English into Spanish; *History of Spanish Literature (Sismondi's Literature of the South of Europe, as far as Chap. XXX.); *Comparison of Etymological and Grammatical forms in Latin, Provençal, French, Italian, and Spanish, (Sir G. Cornewall Lewis's Origin and Formation of the Romance Languages.)

§ 6.

CHEMISTRY.

Professor—H. H. CROFT, D.C.L.

Subjects of Lectures :

THIRD YEAR.

CHEMISTRY AND CHEMICAL PHYSICS.

Origin and History of Chemistry—connection with other sciences.

General properties of matter—adhesion and cohesion—crystallization—specific gravity, &c.

Heat—expansion—thermometers—ventilation—change of state of aggregation—vapors.

Light—as a chemical agent—photography, &c.

Statical Electricity—Galvanism—Magnetism—Electro-Magnetism.

Electric Telegraph—Thunder storms, &c.

Chemical affinity—nomenclature—law of equivalents—atomic theory.

Non-metallic elements—their combinations.

Organic Chemistry.

Application of Chemistry to Agriculture and to Physiology.

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

The usual 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; Lydner's Hand-book of Heat and Electricity, or Miller's Chemical Physics; Roscoe's Elements.)

* Only for Candidates for Honors.