PHYSIOLOGY.

DR. M. BARRETT.

Structural and Chemical Composition of the Body. Tissues, Epithelium, Connective Tissue, Cartilage, and Bone.

Serous and Mucous Membranes.

Blood, Circulation of the Blood. The Heart, Arteries, Capillaries and Veins.

Respiration.

Digestion, Absorption, Glandular System, Nutrition, Animal Heat, Secretion and Excretion, Nervous System, Motion, Special Senses, Reproduction.

CHEMISTRY.

PROFESSOR CROFT.

The course will include the following subjects :--- Chemical Physics, Specific Gravity, Cohesion, Crystallization, Dialysis, Heat, Light as connected with Chemistry, Spectrum Analysis, with Electricity in the second term at University College.

INORGANIC CHEMISTRY .-- The preparation and properties of the nonmetallic elements and their compounds. The laws of Chemical combination deducible therefrom. The Chemistry of the most important metals and their compounds; the modes of preparing and detecting them.

ORGANIC CHEMISTRY .- An outline of the groups into which organic bodies are divided ; the methods of determining their composition, both by analysis and synthesis; the modes of preparing them, and their general characters. Application of Chemical analysis to Toxicology.

BOOKS.

Miller's Chemical Physics or Stewart's Physics, Roscoe's Chemistry.

PRACTICAL CHEMISTRY.

There will be two lectures a week to each class during Easter Term, at University College. Qualitative analysis, as employed in the detection of the more commonly occurring substances. Particular attention directed to the detection of poisons, whether organic or inorganic, morbid urine, blood, bile, urinary calculi, &c.

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