

impurities, adulterations, and tests ; (4) Effects on the System in medicinal and poisonous doses ; their uses, and the diseases in which they may be advantageously employed ; (5) Doses, mode of administration, incompatibles, and antidotes.

The course will be illustrated by a collection of specimens.

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, Embryology, and Development.

CHEMISTRY.

DR. J. E. GRAHAM.

The course will include the following subjects : Chemical Physics, Specific Gravity, Cohesion, Crystallization, Dialysis, Heat, Light, and Electricity.

INORGANIC CHEMISTRY.—The preparation and properties of the non-metallic 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.