

BOTANY AND ZOOLOGY.

PROFESSOR JOHN DEARNESS.

The course is selected with special consideration of the needs of the medical student. Enough of Morphology and classification is taught to qualify for the intelligent use of the common synoptical keys. Particular attention is given to questions of Physiology and Biology. The student is made acquainted from specimens with the native poisonous and medicinal plants. Free use is made of the Microscopes and of specimens—living, exsiccated or preserved in alcohol—to illustrate the lectures practically throughout.

LABORATORIES.

Chemical Laboratory.—This Laboratory is furnished so that all analytical operations can be carried on by the student with the greatest convenience.

Histological and Pathological Laboratory.—Students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subject of demonstration.

Botanical and Biological Laboratory.—The student is furnished with all the necessary apparatus and material for practical work.

Bacteriological Laboratory.—A Bacteriological department has been added during the past year, and thoroughly equipped with all necessary apparatus.

The course on Bacteriology will include the following:

- (1) Study of Biology, Morphology and Physiology of Micro-organisms.
- (2) Preparation of culture media and stains.
- (3) Study of cultural and staining peculiarities.
- (4) Experimental study of vitality, thermal death points and pathogenesis on animals of some of the more important organisms.
- (5) Different methods of sterilizing and disinfecting.
- (6) Experimental study of relative value of antiseptics.