

4. Comparative Anatomy of Vertebrata.

Text-Books.—Huxley's Vertebrata.

For Reference.—Owen's Vertebrata.

For Diagnosis.—Jordan's Manual of American Vertebrates.

PRACTICAL COURSE (IN SCHOOL OF SCIENCE).

1. Elementary Practical Biology, with the use of the Microscope and the study of Animal and Vegetable Tissues.

Text-Books.—Huxley and Martin's Biology.

Rutherford's Histology.

2. Advanced Course.

Text-Book.—Rolleston's Forms of Animal Life.

3. Specialized Course for Study of Vertebrate Anatomy.

Works of Reference.—Foster and Balfour's Elementary Embryology.

Morphology of the Skull—Parker and Bettany.

(Various standard works of reference in connection with above courses may be found in the Laboratory, as Carus' *Icones Zootomicæ*; Broon, *Classen und Ordnungen*, etc.)

4. Histology.

Works of Reference.—Descriptive.—Stricker's Manual of Histology.

Frey's Histology and Histo-chemistry.

Technical.—Klein, *Hand-book for Physiological Laboratory*, pp. 1-163.Rutherford, *Histology*.

V. MATHEMATICS AND PHYSICS.

The ordinary Course embraces Euclid, Algebra, Plane Trigonometry, Statics of Solids and Fluids, Dynamics of a particle, Geometrical Optics, Sound, Heat, Electricity, and Plane Astronomy.

The Lectures in Physics will be fully illustrated by experiments.

The advanced Course embraces Spherical Trigonometry, Analytical Geometry (Plane and Solid), Differential and Integral Calculus, Theory of Equations, Statics of Solids and Fluids, Particle and Rigid Dynamics, Hydrodynamics, Optics, Acoustics, Thermo-dynamics, Electricity, and Astronomy.

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