

§ 2.

MATHEMATICS AND PHYSICS.

Professor: JAMES LOUDON, M.A.

Mathematical Tutor: ALFRED BAKER, M.A.

Demonstrator of Physics: W. J. LOUDON, B.A.

Subject of Lectures:

FIRST YEAR.

Algebra—Equations, Proportion, Progressions.

Euclid—Bk. IV., VI., and Definitions of B. V.

Trigonometry—As far as Solution of Plane Triangles.

*Algebra, omitting Probabilities.

*Trigonometry.

*Analytical Conic Sections (Salmon's, omitting the Abridged Notation.)

SECOND YEAR.

Elements of Statics, Dynamics, and Hydrostatics.

*Newton's Principia, Sec. I. (Main's ed.)

*Differential Calculus (Williamson.)

*Integral Calculus (Williamson.)

*Solid Geometry (Salmon—the selected course for Junior Readers, omitting methods of abridged notation.)

*Spherical Trigonometry (Todhunter.)

*Theory of Equations.

THIRD YEAR.

Elements of Heat and Optics.

*Analytical Statics (Minchin.)

*Dynamics of a Particle (Tait and Steele.)

*Newton's Principia, Secs. II. and III.

*Geometrical Optics.

*Hydrostatics (Besant.)

*Rigid Dynamics.

*Differential Equations (Boole, Chaps. II. and IX.

*Only for Candidates for Honors.