

§ 3.

MATHEMATICS AND NATURAL PHILOSOPHY.

Professor of Mathematics and Natural Philosophy.—

J. LOUDON, M.A.

Mathematical Tutor.—ALFRED BAKER, B.A.

Subjects of Lectures :

First Year.

Arithmetic; Algebra (Loudon's, Colenso's, or Todhunter's); Euclid (Colenso's, Pott's, or Todhunter's); Plane Trigonometry, (Cherriman's, *Colenso's, or *Todhunter's); *Analytical Plane Geometry (Puckle's).†

Second Year:

Elements of Statics and Dynamics (Cherriman's); *Analytical Conic Sections (Puckle's); *Newton's Principia, Secs. I., II., & III. (Frost's ed.); and *Rudiments of Differential and Integral Calculus (Hemming's).

Third Year.

Elements of Hydrostatics and Optics (Chambers's Educational Course) *Differential and Integral Calculus (De Morgan's or Price's); *Analytical Geometry of two and three dimensions (Salmon's and Aldis's); *Theory of Algebraic Equations (Todhunter's); *Analytical Statics (Todhunter's); *Dynamics of a Particle (Sindeman's); *Geometrical Optics (Parkinson's); *Hydrostatics (Miller's or Besant's).

Fourth Year.

Elements of Astronomy (Herschel's) and of Acoustics (Chambers's Educational Course); Spherical Trigonometry (Todhunter's); *Newton's Principia, Secs. IX. and XI. (Evans's ed.); †Plane Astronomy (Hymer's); *Lunar Theory (Godfrey's); *Rigid Dynamics (Routh's); *Hydrodynamics (Besant's).

*. * The Lectures on Natural Philosophy are illustrated by Apparatus.

* Only for Candidates for Honors.

† In Mathematics and Natural Philosophy the new Curriculum applies only to the incoming First Year (1877), and to succeeding years.