

§ 2.

MATHEMATICS AND PHYSICS.

Professor : JAMES LOUDON, M.A.*Mathematical Tutor* : ALFRED BAKER, M.A.*Demonstrator in Physics* : W. J. LOUDON, B.A.

Subjects of Lectures :

First Year.

† Algebra; Euclid; † Plane Trigonometry; * Analytical Conic Sections (Salmon's, omitting the Abridged Notation.)

Second Year.

Elements of Statics and Dynamics; * Newton's Principia, Sec. I. (Main's ed.); * Differential Calculus (Williamson's); * Integral Calculus (Williamson's); * Solid Geometry (Salmon's—the selected course for Junior Readers, omitting methods of abridged notation); * Spherical Trigonometry (Todhunter's); * Theory of Equations (Todhunter's.)

Third Year.

Elements of Hydrostatics and Optics; * Analytical Statics (Minchin's); * Dynamics of a Particle (Tate and Steele's); * Newton's Principia, Secs. II. and III.; * Geometrical Optics (Jamin); * Hydrostatics (Besant's); * Rigid Dynamics; * Eulerian Integrals.

Fourth Year.

Elements of Astronomy, Acoustics, and Heat.

I. MATHEMATICS.

1. * Modern Geometry; Salmon's Conic Sections, Chaps. 4, 9, 14, 15; Salmon's Higher Plane Curves, Chaps. 1-4.
2. * Modern Algebra; Salmon's Higher Algebra, Chaps. 1-9.
3. * Differential Equations; Boole, Chaps. 1-12.
4. * Theory of Probability.
5. * Plane Astronomy; Godfray.
6. * Quaternions.

† Pass and Honor.

* Only for Candidates for Honors