

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); *Spherical Trigonometry (Todhunter's); *Theory of Equations (Todhunter's).

Third Year.

Elements of Hydrostatics and Optics; *Analytical Statics (Minchin's); *Dynamics of a Particle (Tait and Steele's); *Newton's Principia, Secs. II. and III.; Geometrical Optics; *Hydrostatics (Besant's); *Rigid Dynamics (Routh's); *Modern Geometry (Salmon's).

Fourth Year.

Elements of Astronomy, Acoustics, and Heat; *Theory of Probability; *Conic Sections, Abridged Notation (Salmon's); *Dynamics of a Rigid Body (Routh's); *Hydrodynamics (Besant's); *Acoustics; *Plane Astronomy (Godfray's); *Thermodynamics (Clausius's).

The Lectures on Natural Philosophy are illustrated by experiments.

The Physical Laboratory is furnished with a large collection of instruments of precision for testing the laws of Dynamics, Sound, Light, and Heat. Students will here have an opportunity of gaining a practical acquaintance with the processes required for the determination of a large number of physical constants, and with the mode of conducting experiments generally in this Department.

§ 3.**RHETORIC AND ENGLISH LITERATURE.**

Professor: DANIEL WILSON, LL.D.

The Lectures will embrace the history and structure of the Language in relation to national progress and the development of English Literature; Rhetoric, with

* Only for Candidates for Honors.