

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 (Tait and Steele's) ; *Newton's Principia, Secs. II. and III. ; *Geometrical Optics (Jamin) ; *Hydrostatics (Besant's) ; *Rigid Dynamics ; *Modern Geometry (Salmon's) ; *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.

II. *Physics*—1. *Attractions, (Minchin). 2. *Elasticity, (Minchin). 3. *General Dynamical Principles. 4. *Acoustics, (Jamin). 5. *Physical Optics, (Jamin). 6. *Thermodynamics, (Jamin). 7. *Electrostatics, (Minchin). 8. *Method of Least Squares.

The Lectures on Physics 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., F.R.S.E.

The Lectures will embrace the history and structure of the Language in relation to national progress and

*Only for Candidates for Honors.