

V. MATHEMATICS AND NATURAL PHILOSOPHY.

The ordinary Course embraces Euclid, Algebra, Plane Trigonometry, Statics of Solids and Fluids, Dynamics of a Particle, Geometrical Optics, Sound, Heat, and Plane Astronomy.

The Lectures in Natural Philosophy will be fully illustrated by experiments.

The Advanced Course embraces Spherical Trigonometry, Analytical Geometry (Plane and Solid), Differential and Integral Calculus, Theory of Equations, Statics of Solids and Fluids, Particle and Rigid Dynamics, Hydrodynamics, Optics, Acoustics, Thermodynamics, Astronomy.

PHYSICAL LABORATORY.

The Physical Laboratory is furnished with a large collection of instruments of precision for testing the laws of Dynamics, Sound, Light and Heat. Students who take the Advanced Course 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 modes of conducting experiments generally in the above Departments.

MODERN LANGUAGES.

The classes of French and German in University College (see regulation 9), are open free of extra charge to the Students of the Regular Courses. No special examinations are held in these languages, but it is expected that every Student of a Regular Course should be able to acquaint himself with the contents of any of the works necessary to his profession, written in these languages. Such books may be prescribed for the terminal examinations.

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