

I. DEPARTMENT OF ENGINEERING

This Department is intended to afford the necessary preliminary preparation to students intending to become Civil Engineers (including under this term Mining Engineers).

Students who wish to devote themselves to the practice of Mining Engineering are allowed to take the work specially mentioned under this head, in the Third Year, and to omit the work in Experimental Physics.

They are advised, however, to take, if possible, the regular course in Civil Engineering and the special work subsequently as Special Students.

SUBJECTS OF THE FIRST YEAR.

PURE MATHEMATICS.

Euclid, Algebra, Plane Trigonometry, Analytical Geometry of two dimensions.

APPLIED MATHEMATICS.

Statics and Dynamics (with special reference to Structures and Machines).

DRAWING.

Copying from the Flat. Lettering.

Model Drawing.

Map and Topographical Drawing.

Orthographic (including Isometric), and Oblique Projections.

Graphics.

SURVEYING.

Field and Office Work—Chain and Compass Surveys—Topography—Preliminary Instruction in use of the Transit and Theodolite—Plotting, Mensuration.

CHEMISTRY.

General Chemistry.

Practical do.

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