

Descriptive geometry in its application to plane-sided solids, orthographic (including isometric) and oblique projection.

Original surveys.

CHEMISTRY.

General principles of chemistry.

Chemistry of the non-metals.

Laboratory practice.

MINERALOGY,

Introductory course.

PHYSICS,

Heat.

MECHANICS.

Statics and dynamics (with special reference to structures and machines.

SURVEYING.

Field and office work, chain and compass surveys, topography, preliminary instruction in the use of the transit-theodolite, plotting, mensuration.

II Year.

MATHEMATICS.

Differential and integral calculus.

Spherical trigonometry.

Plane astronomy.

DRAWING.

Subjects of first year continued.

Coloring and shading applied in both topographical and construction drawing.

Descriptive geometry in its application to solids bounded by curved surfaces. The various projections of the sphere and principles of map construction.

Machines and structures. (Drawings made from both copies and original notes.)