

I. Year.

MATHEMATICS.

Euclid, algebra, plane trigonometry.
Analytical plane geometry.

DRAWING.

Copying from the flat, lettering, topography.
Graphics.

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.

DRAWING.

Subjects of first year continued.

Coloring and shading applied to both topographical and construction drawing.

CHEMIS

ENGINEE

MINERAL

METALLI

PHYSICS.

EXPERIM

VACATIO