

II. DEPARTMENT OF MINING ENGINEERING.

This Department is designed to afford the necessary preliminary training to students intending to become mining engineers.

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.

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.

DRAW

CHEM

ENGI

MINI

MET

PHY