

MINERALOGY AND GEOLOGY.

✓ Economic Geology.

Blowpipe Analysis and Determinative Mineralogy.

EXPERIMENTAL PHYSICS.

Heat : Specific Heat ; Latent Heat.

Expansion of Air ; Air Thermometer.

VACATION WORK.

See pages 38 and 87.

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.

| Elementary Chemistry, with 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.