

MINERALOGY AND GEOLOGY.

Economic Geology.

Blowpipe Analysis and Determinative Mineralogy.

II. DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

This Department is intended to afford the necessary preliminary preparation to students intending to become Mechanical and Electrical Engineers.

I. YEAR.

MATHEMATICS.

Euclid, Algebra, Plane Trigonometry.

Analytical Plane Geometry.

MECHANICS.

Statics and Dynamics (with special reference to structures and machines).

PHYSICS.

Magnetism and Electricity.

EXPERIMENTAL PHYSICS.

Light : Use of lenses and mirrors.

Calculation of focal lengths.

The prism and spectroscope.

Goniometer and heliostat.

DRAWING.

Copying from the flat, Lettering.

Graphics.

Descriptive Geometry in its application to plane sided solids.

Orthographic (including Isometric) and Oblique Projection.

SURVEYING.

(Lectures only). Applications of Trigonometry and Principles of Measurement.

CHEMISTRY.

Elementary Chemistry with Laboratory Practice.