

SURVEYING.

(Lectures only). Application of trigonometry and principles of measurement.

PHYSICS.

Magnetism and electricity (introductory course).

Electricity (applications of the laws of Ohm, Kirchhoff and Joule).

PRACTICAL ELECTRICITY.

Introductory course.

EXPERIMENTAL PHYSICS.

Introductory course.

II. Year.

MATHEMATICS.

Differential and integral calculus.

Spherical trigonometry.

DRAWING.

Subjects of first year continued.

Coloring and shading applied in construction drawing.

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

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

CHEMISTRY.

Chemistry of the metals.

Thermo-chemistry.

Combustion.

Fuels.

Chemical manufacture.

Laboratory practice.