

LEVELLING—

Longitudinal and Cross Sections.
Plotting.

SETTING OUT—

Setting out Straight Lines and Curves.
Setting out Levels.

MENSURATION—

Lines, Surfaces and Solids.
Timber, Masonry, Iron and Earthwork.
Capacities of Reservoirs, Discharge of Streams, etc.

Lectures will also be given on the distinctive features of Hydraulic, Mining and Hydrographic Surveying.

Text Books.—Gillespie's Land and Higher Surveying.

Fee for Special Students, \$10.00.

(III.) GEODESY AND PRACTICAL ASTRONOMY.

(Only the more elementary work under this head will be obligatory.)

Field work.
Calculation of the Triangles.
Projections of the Sphere.
Methods of determining Latitude, Local Time, Direction of the Meridian, and Difference of Longitude.
Theory of the Instruments.

Text Books.—Gillespie's Higher Surveying.

Chauvenet's Spherical and Practical Astronomy.

Fee for Special Students, \$15.00.

STATICS—

THEORY

DESIGN

Wal

DYNAMIC

STRENGTH

HYDRAULICS

THERMODYNAMICS

TEXT