

SUBJECTS OF THE THIRD YEAR.

APPLIED MATHEMATICS.

Rigid and Hydro-dynamics.
Thermo-dynamics.

EXPERIMENTAL PHYSICS.

DRAWING.

Subjects of previous Years continued.
Shades and Shadows, Stone Cutting, Principles of Mechanism.

ENGINEERING.

Subjects of previous Years continued.
Applications of principles to Engineering Constructions and
Machines, *e.g.*, Foundations, Retaining Walls, Arches, Roofs,
Bridges, Roads, Railways, Canals, Sewers, Water-wheels, Steam
Engines, Hydraulic Machinery, Mining Machinery, etc.

CHEMISTRY (APPLIED).

Of Iron and Steel, Mortars and Cements, and Materials of
Construction in general.

MINERALOGY AND GEOLOGY.

Economic Minerals of Ontario.
Blowpipe Analysis and Determinative Mineralogy.
†Assaying and Mining Geology.
†Crystallography and Palæontology.

FRENCH OR GERMAN.

† Mining Engineering only.