

CHEMISTRY (Applied).

Explosives.
Artificial lighting.
Photography.
Industrial chemistry
Sanitary Chemistry.

ENGINEERING AND SURVEYING.

Statics and dynamics (pure and applied).
Strength and elasticity of materials.
Theory of construction
Practical designs—bridges, roofs, floors, arches,
retaining walls, foundations, etc.
Thermodynamics and theory of the steam engine.
Hydraulics, sewerage, water supply.
Experimental work in engineering laboratory.
Levelling.
Profiles, cross sections, field work and plotting.
Computation of quantities.
Mathematical theory of surveying instruments.
Trigonometrical and barometrical levelling.
Geodesy (considering the earth a sphere.)
Practical astronomy (treated in the manner
required for the O.L.S. and D.L.S. examina-
tions).
Least squares.

MINERALOGY AND GEOLOGY.

Economic geology.

EXPERIMENTAL PHYSICS.

Heat.

VACATION WORK.

See pages 43 and 101.

II. DEPARTMENT OF MINING ENGINEERING.

This department is designed to afford the necessary preliminary training to students intending to become mining engineers.