

SUBJECTS OF THE SECOND YEAR :

PURE MATHEMATICS.

Differential and Integral Calculus.
 Analytical Geometry of three dimensions.
 *Spherical Trigonometry.

APPLIED MATHEMATICS.

† Hydrostatics.
 *Geometrical Optics.
 *Plane Astronomy.

EXPERIMENTAL PHYSICS.

DRAWING.

Subjects of First Year continued.
 Descriptive Geometry.
 Machines and Constructions.

ENGINEERING.

*Surveying, Levelling and Setting-out work.
 *Practical Astronomy and Principles of Geodesy.
 Applied Mechanics.
 Theory of Strength of Materials.
 Principles of Mechanism.
 Materials of Construction.
 Methods and processes.

CHEMISTRY.

General Chemistry and Qualitative Analysis.

MINERALOGY AND GEOLOGY.

Elements of these Sciences.
 Blowpipe Practice.
 Determination of Minerals.
 †Crystallography.

FRENCH OR GERMAN.

* Civil and Mining Engineering only.

† Mining Engineering only.