

1. DEPARTMENT OF ENGINEERING.

This Department is intended to afford the necessary preliminary preparation to students intending to become Civil or Mining Engineers.

During the first year the course is common to the students of both branches (Civil and Mining). At the commencement of the second year the student will select the branch which he intends to specially pursue, and the studies of the second and third years will be arranged in conformity therewith.

SUBJECTS OF THE FIRST YEAR.

PURE MATHEMATICS.

Euclid, Algebra, Plane Trigonometry, Analytical Geometry of two dimensions.

APPLIED MATHEMATICS.

Statics and Dynamics (with special reference to Structures and Machines).

DRAWING.

Geometrical Model Drawing.
Map and Topographical Drawing.
Coloring and Lettering.
Orthographic, Isometric, and Oblique Projections.

SURVEYING.

Field and Office Work—Chain and Compass Surveys—Preliminary Instruction in the use of the Transit and Theodolite—Plotting, Mensuration.

CHEMISTRY.

General Chemistry.
Practical do.

FRENCH OR GERMAN.

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