

§ IV. COURSE OF STUDY FOR THE SESSION 1879-80.

FIRST YEAR.

CIVIL ENGINEERING.	MECHANICAL ENGINEERING.	MINING ENGINEERING.	PRACTICAL CHEMISTRY.
Arithmetic. Euclid. Algebra. Trigonometry. Geometrical Conics. Solid Geometry. Descriptive Geometry. (Optional). Freehand Drawing. Chemistry. English. French or German.	Arithmetic. Euclid. Algebra. Trigonometry. Geometrical Conics. Solid Geometry. Descriptive Geometry. (Optional). Freehand Drawing. Chemistry. English. French or German.	Arithmetic. Euclid. Algebra. Trigonometry. Geometrical Conics. Solid Geometry. Descriptive Geometry. (Optional). Freehand Drawing. Chemistry. English. French or German.	Arithmetic. Euclid. Algebra. Trigonometry. Geometrical Conics. Solid Geometry. Descriptive Geometry. (Optional). Freehand Drawing. Chemistry. English. French or German.

SECOND YEAR.

Mechanism. Materials. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus.	Mechanism. Materials. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus.	Analytical Chemistry. Mechanism. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus.	Practical Chemistry. Geometrical Drawing.
Mathematical Physics. Experimental Physics. Zoology. English. French or German.	Mathematical Physics. Experimental Physics. Mechanical Work. English. French or German.	Mathematical Physics. Experimental Physics. Zoology. English. French or German.	Mathematical Physics. Experimental Physics. Botany. English. French or German.

THIRD YEAR.

Applied Mechanics. Materials. Surveying. Drawing. Sphl. Trigonometry. Practical Astronomy. Mathematical Physics. Experimental Physics. Geology. French or German.	Applied Mechanics. Materials. Machinery & Millwork Drawing. Mathematical Physics. Experimental Physics. Mechanical Work. French or German.	Applied Mechanics. Materials. Mining. Analytical Chemistry, Blowpipe Analysis. Drawing. Mathematical Physics. Experimental Physics. Geology & Mineralogy. French or German.	Practical Chemistry. Assaying. Blowpipe Analysis. Mineralogy. Mathematical Physics. Experimental Physics. Zoology. French or German.
--	---	--	---

FOURTH YEAR.

Applied Mechanics, Structures in Stone. " Timber. " Iron. Hydraul. Engineering. Steam Engine. Materials. Designs. Estimates. Specificat. Mathematical Physics. French or German.*	Applied Mechanics. Machinery & Millwork. Metallurgy of Iron. Hydraul Engineering. Steam Engine. Materials. Designs. Estimates. Specificat. Mathematical Physics. French or German.*	Assaying. Ore Dressing. Metallurgy. Geology (advanced). Hydraul. Engineering. Steam Engine. Materials. Designs. Estimates. Specificat. Mathematical Physics. French or German.*	Practical Chemistry. Metallurgy. Mineralogy. Geology. French or German.*
---	--	---	--

N.B. (1) Students in the 2nd, 3rd and 4th years will, in addition to the above, attend a series of lectures on some special departments of Engineering. The subjects for next Session will be Road Making and House Drainage.

(2) During the summer recess, the Students in the 2nd, 3rd and 4th years are to employ themselves in some mechanical work or on some public work; and they are also to prepare a report on such work, to be handed in at the beginning of the ensuing Session.

(3) Students are not allowed to take subjects which do not form part of their course, without the sanction of the Faculty.

*Modern languages not imperative in the fourth year.