

Metallurgy of Iron and Steel.

*Metallurgy of Copper, Lead, Silver and Gold.

MINERALOGY AND GEOLOGY.

Economic Minerals of Ontario.

Blowpipe Analysis and Determinative Mineralogy.

†Assaying and Mining Geology, Mining Calculations.

†Crystallography and Paleontology.

FRENCH OR GERMAN.

NOTE.—Each Student is required to furnish himself with the following drawing instruments and materials, viz. :—

One drawing-board, 23" × 31"; 1 T square, 31 inch; 2 set squares, 60° and 45°, not less than 6" on the side; 1 6" (or larger) protractor; 1 12" triangular scale, containing 10, 20, 30, 40, 50 and 60 chain scales; 1 12" triangular scale, containing $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 open divided scales; 1 drawing pen; 1 pair dividers; 1 pair compasses with ink and pencil points, lengthening bar, etc.; 1 set spring bows, crow-quill pens, French curves, 1 2ft. pocket rule, Arkansas oil stone, thumb-tacks, paper, tracing vellum, pencils, rubber, colors, sponge, brushes, nest of saucers, water mug, etc., and one portfolio for drawings.

The expenses for the three years forming the regular course in the department of Engineering are approximately as follows :—

Sessional Fees.....	\$120 00
Books, instruments, drawing materials, laboratory fees, etc.....	120 00
Total.....	<u>\$240 00</u>

These expenses are divided equally between the three sessions.

Each student in this department is required to contribute \$1 per annum to a fund for the purpose of covering breakages and losses occurring to apparatus and furniture.

The payment of this fee will, however, not free any student from the liability to make good any loss or damage to instruments or furniture, arising from want of proper care on his part, when the above fund may prove insufficient for the purpose.

*Mining Engineering only.

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