

3. DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

This Department is under the charge of the Professor of Applied Chemistry.

The Course is intended to render the student proficient in all the methods of Analytical Chemistry, and to fit him for such positions as that of Public Analyst, Consulting Chemist in regard to Manufactures, or Resident Chemist in manufactories where such is required.

SUBJECTS OF FIRST YEAR :

1. Algebra, Euclid and Plane Trigonometry.
2. Natural Philosophy, with work in Laboratory.
3. Elementary Biology.
4. Inorganic Chemistry, Elementary and Advanced, with work in the Laboratory.

SUBJECTS OF SECOND YEAR :

1. Elementary Mineralogy and Geology.
2. Blowpipe Practice and Assaying.
3. Organic Chemistry with Applied Chemistry, Laboratory Work in Qualitative and Quantitative Analysis.

SUBJECTS OF THIRD YEAR :

Candidates are expected to be able to read Chemical Works in the French and German languages.

1. Applied Chemistry.
2. Inorganic Chemistry, including Thermo Chemistry and the study of Mendelejeff's Periodic Law. Advanced Organic Chemistry, Historical Development of Chemical Theory, and Physiological Chemistry.
3. Laboratory Works, including Technical Analysis, Quantitative Mineral Analysis, a prescribed course in Physiological Chemistry, and in Chemistry in its relations to Hygiene and Forensic Medicine.

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