

## APPENDIX B.

### COURSE OF STUDY IN THE

## Sheffield Scientific School of Yale College.

NEW HAVEN, CONNECTICUT.

1870—71.

#### TERMS OF ADMISSION.

Candidates must be not less than sixteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission the student must pass a thorough examination in Davies's Bourdon's *Algebra* as far as the General Theory of Equations, or in its equivalent; in *Geometry*, in the nine books of Davies's Legendre, or their equivalent; and in *Plane Trigonometry*, *Analytical Trigonometry* inclusive; and also in *Arithmetic*, including the "Metric System," *Geography*, *United States History*, and *English Grammar*, including Spelling. An acquaintance with the *Latin Language* is also required, sufficient to read and construe some classical author, and Allen's *Latin Grammar* is commended as exhibiting the amount of grammatical study deemed important. Practice in *Drawing*, if it can be obtained before entrance, will be of great advantage.

Candidates for advanced standing in the three regular classes are examined, in addition to the preparatory studies, in those already pursued by the class they propose to enter. No one can be admitted as a candidate for a degree after the commencement of the Senior year.

The arrangement of the studies is indicated in the annexed scheme.

#### *Freshman Year—Introductory to all the Courses.*

FIRST TERM.—*German*—Whitney's Grammar and Reader. *English*—Marsh's *English Language*; Exercises in Composition. *Mathematics*—Davies's *Analytical Geometry*, and *Spherical Trigonometry*. *Physics*—Atkinson's *Ganot*, with experimental Lectures. *Chemistry*—Eliot and Storer's Manual; Laboratory practice. *Elementary Drawing*—practical lessons in the Art School. *Laws of Health*—Lectures by Professor F. Bacon.

SECOND TERM.—*Language*, *Physics*, *Chemistry*, and *Drawing*—as stated above. *Mathematics*—Church's *Descriptive Geometry*.

THIRD TERM.—*Mathematics*—Surveying and Plotting. *Botany*—Gray's Manual. Other studies continued.

#### IN CHEMISTRY AND METALLURGY.

##### *Junior Year.*

FIRST TERM.—*Chemical Analysis*—Fresenius. Recitations and Lectures. Use of Blowpipe. *Laboratory Practice*—Qualitative Analysis. *English*. *German*. *French*.