

Fourth Year.

Elements of Astronomy, Acoustics, and Heat.

I. MATHEMATICS.

1. *Modern Geometry ; Salmon's Conic Sections, Chaps. 4, 9, 14, 15.
2. *Higher Plane Curves ; Salmon, Chaps. 1-4.
3. *Modern Algebra ; Salmon's Higher Algebra, Chaps. 1-9.
4. *Differential Equations ; Boole, Chaps. 1-12.
5. *Theory of Probability.
6. *Plane Astronomy (Godfray.)
7. *Quaternions.

II. PHYSICS.

1. *Attractions.
2. *Elasticity.
3. *General Dynamical Principles.
4. *Hydrodynamics.
5. *Acoustics.
6. *Physical Optics (Verdet).
7. *Thermodynamics (Clausius).
8. *Electrostatics (Maxwell).
9. *Method of Least Squares (Merriman).

THE PHYSICAL LABORATORY.

The Physical Laboratory, which has been lately established, is furnished with a large collection of apparatus for lecture experiments in the departments of Mechanics, Sound, Light, and Heat. It is also well supplied with instruments of precision for individual work in the same departments. In addition to an Elementary Laboratory there are several special Laboratories of which the Acoustical and "Regnault" Laboratories offer unusual facilities for the conduct of experiments in Sound and Heat. There is also a special Optical room which is expected to be ready for occupation next term.

Steps are being taken to complete the collection of apparatus by providing a set of Electrical instruments.

*Only for Candidates for Honors.