

tions, will be open to Officers of the following ranks:—

1. Captains and Commanders.
2. Lieutenants.
3. Navigating Officers.
4. Naval Instructors.
5. Acting Lieutenants and Acting Sub-Lieutenants.
6. Officers, Royal Marine Artillery.  
Ditto, Royal Marine Light Infantry.
7. Officers of the Engineer Branch, viz.:—  
Chief Engineers.  
Engineers.  
1st Class Assistant Engineers.  
Acting 2nd Class Assistant Engineers.
8. A limited number of Dockyard Apprentices will be annually selected, by competitive examination, for admission to the College.

A course of instruction at the College will also be open to a limited number of—

9. Private students of Naval Architecture or Marine Engineering.
10. Officers of the Mercantile Marine.

It is not intended to provide at Greenwich for the education of the Naval Cadets.

My Lords intend that the Royal Naval College at Greenwich shall be so organised as to provide for the education of Naval Officers of all ranks above that of Midshipman, in all branches of theoretical and scientific study bearing upon their profession; but my Lords will continue the instruction given in the "Excellent" Gunnery Ship as heretofore, and arrangements for instruction in practical surveying will also be continued at Portsmouth.

My Lords desire, by the establishment of the College, to give to the executive Officers of the Navy generally, every possible advantage in respect of scientific education; but no arrangements will be made at all prejudicing the all-important practical training in the active duties of their profession.

The object of securing, in the interest of the Naval Service, the highest possible scientific instruction is, in the opinion of my Lords, most effectually to be attained by bringing together in one establishment all the necessary means for the higher education of Naval Officers and of others connected with the Navy.

The number of students at the College will render it possible, not only to carry out instruction by individual tuition, as hitherto, but to secure a staff of eminent professors, to arrange lectures and classes, and to provide chemical and physical laboratories, on a scale which has hitherto not been possible in any naval establishment.

Complete courses of study suitable for the different classes of students admitted will be organised, and will be carried out by professors, lecturers, and instructors. Officers and others admitted as *students* will have the advantage of these courses of study, whether they reside or not. But Officers and others who may not become students will, under certain regulations, have free access to separate courses of *lectures*, the benefit of which it is desired to extend as far as possible.

The following are the proposed courses of study.

*Subjects.*

1. Pure Mathematics, including Co-ordinate and Higher Pure Geometry, Differential Calculus, Finite Differences, and the Calculus of Variations.
2. Applied Mathematics, viz., Pneumatics, Mechanics, Optics, and the Theories of Sound, Light, Heat, Electricity, and Magnetism.

3. Applied Mechanics, including the Theory of Structures, the principles of Mechanism, and the Theory of Machines.

4. Nautical Astronomy, Surveying, Hydrography, with Maritime Geography, Meteorology, and Chart Drawing.

5. Experimental Sciences:—

a. Physics, viz., Sound, Heat, Light, Electricity, and Magnetism.

b. Chemistry.

c. Metallurgy.

6. Marine Engineering, in all its branches.

7. Naval Architecture, in all its branches.

8. Fortification, Military Drawing, and Naval Artillery.

9. International and Maritime Law; Law of Evidence and Naval Courts Martial.

10. Naval History and Tactics, including Naval Signals and Steam Evolutions.

11. Modern Languages.

12. Drawing.

13. Hygiene—Naval and Climatic.

A certain latitude in selecting such courses of study as they may prefer will be allowed to officers voluntarily attending the College. Officers and others required to attend by the Regulations will follow such courses of study as may from time to time be prescribed.

The general organization of the College will be as follows:—

A Flag Officer will be President; he will be assisted by a Captain in the Royal Navy in matters affecting discipline, and in the internal arrangements of the College unconnected with study.

A Director of Studies will, under the President, organize and superintend the whole system of instruction, and the various courses of study.

There will further be—

A Professor of Mathematics.

A Professor of Physical Science.

A Professor of Chemistry.

A Professor of Applied Mechanics.

A Professor of Fortification.

Such Instructors in Mathematics and the other branches specified as may be necessary to assist the Professors will be added to the Staff. Lecturers will be appointed to deliver courses of Lectures in Naval Architecture, Metallurgy, Civil and Hydraulic Engineering, Maritime Law, Naval History and Tactics, and Hygiene.

A Naval Officer will conduct instruction in Nautical Astronomy and Surveying, and there will be two instructors in Steam.

Such provision will be made for instruction in French and German and in Drawing, as the numbers of Students desirous of following courses in these branches may render necessary.

The following changes are introduced in the Regulations as regards the time of study in the case of Officers who are required to attend the College:—

(a) The time allowed to Acting Sub-Lieutenants to qualify for their Examination in Navigation for Lieutenants will be extended from six weeks to six months.

(b) Gunnery Lieutenants will be required to pass a term of nine months (from 1st October to 30th June) in the College at Greenwich before commencing their practical course in the "Excellent," instead of, as at present, a term of seven months after they have completed it.

Officers, on applying to qualify as Gunnery Lieutenants, if they have not already served one year at sea as Lieutenants, will be at once appointed to a sea-going ship, in order to complete the year's