

11. Brief Description of Subjects. The following brief descriptions may indicate the nature of those subjects that do not at present seem to call for more precise outlines.

(A) Military Law and Practice. All Groups.

This course should treat of three related subjects: Military Law, International Military Customs and Army Administration.

Military Law comprises a study of the Military status of the individual, registration, enlistment, induction and transfer; the procedure of general, special and summary Courts-Martial; the laws governing army personnel and penalties for infraction.

International Military Customs will treat of the fundamental difference between the Military organization of our Allies and our own country to such an extent as would be immediately needed by the American soldier on overseas duty.

Army Administration is a study of army organization, accountability and responsibility for property, army correspondence and all army forms for men and materials such as those for rations, commutation and travel. This last-named part of the course should take for the most part the form of actual practice in army paper work.

(B) Surveying and Map-Making (Group I)

This course is intended to give the student familiarity with the usual surveying instruments and their uses and to train him sufficiently to make him a reliable topographical surveyor of limited areas. He should receive a thorough drill in topographical map reading with special reference to the scales and contour intervals used in the United States and French Army maps and to the physical features of military importance. He should be able rapidly and accurately to solve problems on orientation, visibility, and layout of routes of travel for troops.

For prospective infantry officers a study of trench and entanglement construction will be given as an introduction to a course in field engineering practice which he will re-

ceive at an Officers' Training Camp.

(This course is amply covered by the outline in the Descriptive Circular on Surveying, Topography and Map-Making. See also the Descriptive Circular on Geology and Geography.)

(C) Hygiene and Sanitation. (Group I)

This course should include the following topics: Physical fitness, personal and public sanitation, parasitism and microbes, the sources and modes of infection, the disposal of excreta and waste matter, sewage disposal, camp cleanliness, water supply on the march and in camp, field disinfection and filtration, storage of water, camp sites, soil and drainage, sanitation of foods, nutrition, disease, isolation and disinfection, vaccine and sera, tuberculosis, venereal diseases, mental hygiene, personal hygiene, air and health, ventilation of barracks and ships, drugs and stimulants, vital statistics, civil and military health organization, the care of wounds, etc. (For a further list of topics and sub-topics see the Descriptive Circular on Hygiene and Sanitation)

(D) Map Reading and Navigation. (Group II)

This course should be focussed upon the interpretation of topographical maps, particularly United States and French war maps. The student should become thoroughly familiar with all scales of maps and able to convert ordinary scales into the metric and

graphical scales. This course should be replete with problem work, such as laying out courses of flight in still air and with wind blowing from different directions, the computation of speed of the airplane over the ground under these conditions. These latter involve the use of "drift" of the airplane. The subject of Plane Sailing will form a basis for this latter work. He should also be able to identify the polar stars and other typical constellations and be familiar with their positions at different times of the day at different seasons.

(E) Elementary Physics. (Groups II and III)

This course is dealt with in the Special Descriptive Circular on Physics and comprises the first term (12 weeks) of the curriculum there outlined.

(F) Modern Ordnance. (Group III)

This should be, for the most part, a course of information in the nomenclature of modern small arms, artillery and their ammunition. It should also include the accoutrement of soldiers in the different services.

(G) Business Management. (Group III)

This course should cover the more important topics usually covered in courses on the subject at colleges of business administration, including the principles of business organization, efficiency systems and records, employment problems,

business statistics and business methods, with some attention to problems of accounting, commerce and transportation.

(See also the Special Descriptive Circulars on Accounting and Economics).