

distribution of rainfall, air circulation and storms. The interpretation of weather maps. Sophomore standing. Both terms. Two hours. Two units. Mr. JAMES.

GEOGRAPHY AND INDUSTRY 3. *Economic and Political Geography of Europe*.—A regional study of Europe and Northern Africa. The influence of physical features, climate, and resources on the production of raw materials and food and the development of manufacturing and trade. A detailed study of Great Britain, France, Italy, Russia, Germany, and the Balkan States. Geographic influences in the Great War will be especially considered. Prerequisites, Geography and Industry 1, Sophomore standing. Both terms. Two hours. Two units. Assistant Professor F. E. WILLIAMS.

GEOGRAPHY AND INDUSTRY 4. *Field Work in Economic Geography*.—Training in the geographic interpretation of a region, obtained by actual first-hand study in the field. A region within easy reach of Philadelphia will be selected for a detailed study of its agriculture, industries and social conditions, and of the underlying physical, climatic and other environmental factors that have determined its present development. Primarily for graduate students. Open only to students specializing in Geography and Industry subjects. Both terms. Two hours. Two units. Assistant Professor WHITE. Omitted 1921-22.

GEOGRAPHY AND INDUSTRY 5. *Economic and Political Geography of Asia*.—A regional study of the resources, industries and commercial expansion of the Far East. A detailed study of China, Japan, India, the Philippine Islands, and Australia. The factors affecting the development of trade with the United States. Designed primarily for students interested in the commercial opportunities of the Orient. Prerequisites, Geography and Industry 1, Sophomore standing. Both terms. Two hours. Two units. Assistant Professor WHITE.

GEOGRAPHY AND INDUSTRY 6. *Industrial Opportunities and Resources of South America*.—A course designed to give the student a thorough knowledge of the industrial development and increasing opportunities for trade with Latin-American countries—resources, exports, imports, and the character of the people. The climatic conditions and the cost of living as related to business opportunities will be considered. A summary of conditions in Mexico, Central America, and the West Indies is included. Prerequisites, Geography and Industry 1, Sophomore standing. Both terms. Two hours. Two units. Assistant Professor WHITE.

GEOGRAPHY AND INDUSTRY 7. *Manufacturing Industries of the United States*.—A study of the history, location, processes, competitive condi-