

307. RESEARCH AND THESIS. Two to eight hours credit. Graduate students who are carrying on original investigations (either experimental or theoretical) in physics will enroll in this course. Fee, \$1.50 per credit hour. By appointment. Staff.

NOTE.—One of the following two courses will be offered, choice to be made on the basis of requests for the individual courses. Early indication of choice, by mail or personally, to the department is requested.

150. MECHANICS. Three hours credit. Lectures and recitations. Prerequisite, a year's work in general physics and calculus. By appointment. Kester.

311. KINETIC THEORY OF GASES. Two hours credit. Maxwell's law of distribution of molecular velocities. Boltzmann's H-theorem, statistical relation between entropy and probability. Calculation of thermal conductivities and of coefficients of viscosity. Prerequisites, a year's work in general physics and 10 hours in junior-senior courses in physics and mathematics. By appointment. Kester.

NOTE.—One of the following two courses will be offered, choice to be made on the basis of requests made to the department.

151. LIGHT THEORY AND OPTICAL INSTRUMENTS. Three hours credit. Prerequisite, a year's work in general physics and calculus. By appointment. Rice.

152. ELECTRICITY. Three hours credit. Lectures, recitations, and problems. Prerequisite, a year's work in general physics and calculus. By appointment. Rice.

ASTRONOMY

12. DESCRIPTIVE ASTRONOMY. Three hours credit. This course aims to provide an appreciative familiarity with the sky and its seasonal changes, and to give a cultural treatment of the historical development of modern views of the astronomical universe. Two lectures and one discussion or evening observing period. (Cannot be used to meet laboratory course requirements in Division II except in conjunction with course 13.) Prerequisites, one year each of high school algebra and geometry. By appointment. Storer.

PHYSIOLOGY

Professor: STOLAND

Associate Professor: WOODARD

Assistant Professor: WALLING

50. HUMAN PHYSIOLOGY. Three hours credit. Lectures, recitations and demonstrations. A course intended for students not majoring in science departments who desire some knowledge of physiology as a part of their general education. Not open to students who have credit for Physiology 1. 11:30-12:20. Walling.

170. PHYSIOLOGY. Five hours credit. Muscle, nerve, autonomic nervous system, blood, circulation, respiration and digestive system. One hundred twenty hours, laboratory and recitation. Fee, \$20. Required of first-year medical students. 7:30-11:20. Stoland.

271. PHYSIOLOGY. Five hours credit. Absorption, metabolism, internal secretion, excretion, temperature regulation, central nervous system, and special senses. One hundred twenty hours, laboratory and recitation. Fee, \$20. Required of second-year medical students. 7:30-11:20. Woodard.

300. RESEARCH IN PHYSIOLOGY. Credit and hours by appointment. Stoland.

301. SEMINAR. One to two hours credit. A study of current literature dealing with physiological research. By appointment. Stoland, Woodard.