Physics core is reduced.

(Continued from Page 1) and electromagnetism, (8.04-8.05); an Introduction to Quantum Physics, (8.04 and 8.05); and an Introduction to Theoretical Physics, (8.06,8.07).

In the first part, Physics I, (8.01) will remain unchanged, and will concern itself primarily with the particle nature of matter and Newtonian mechanics. Physics II, (8.02) starting in the fall, will teach the special theory of relativity, and then will go on with an introduction to electrodynamics, magnetostatics, and the law of induction. The next course, 8.03, will return to mechanics to discuss vibrations and waves, and then go on to Maxwell's equations, electromagnetic waves, and radiation.

Quantum sequence shortened. The present sequence in quantum physics is Modern Physics (8.04), and Physics of Atoms and Molecules I and II (8.05 and 8.06). Next year 8.04 will be dropped entirely. The new sequence will contain only two courses, 8.05 and 8.06. The subject (8.05), Introduction to Quantum Physics, a course which is intended primarily for those who do not intend to go further in physics, will still be taught.

The theoretical sequence The final three-term sequence, will replace the previous subjects 8.07,1 (Mechanics I), 8.07,2 (Electromagnetic Radiation), and 8.07,3 (Quantum Mechanics and Thermodynamics), and will attempt to present this material, both in classical and in quantum, mechanical aspects, as a coherent subject, so as to give the student some perspective into the basic structure of theoretical physics.

Under a new numbering scheme, the courses will be numbered 8.04, 8.06, respectively, in place of the old 8.04, 8.06, and 8.07. Part of the new numbering system went into effect tentatively this term, with Mechanics I numbered as 8.04. The old 8.06, Electronics, will be dropped as a requirement. The junior laboratory in Experimental Atomic Physics (8.09 and 8.10) will still be required, as well as 8.11 (Experimental Physics), and at least twelve units of thesis.

The Physics Department now hopes to broaden the field of undergraduate electives that it offers, enabling students to take subjects of particular interest to them now that the rigid part of the curriculum has been somewhat reduced.

Along this line, the department will offer the following electives: 8.14, a Project Laboratory; 8.15, Introduction to Solid State Physics; 8.03, Introduction to Nuclear Physics, and the old 8.06, Electronics, the content of which will eventually be rewritten. A new course, tentatively numbered 8.16, on Planetary Physics, will be offered jointly with the Department of Geology and Geophysics.

Due to the changes in the department, many physics subjects will be resubmitted, and the catalogue course descriptions will be rewritten to make them clearer. It is expected that in the catalogue, subjects will eventually be listed under appropriate subheadings, such as undergraduate core, elective, and laboratory; and graduate, making it easier to understand the subject progressions. It is hoped that such a layout will be ready for the 1969-1970 catalogue.

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