The Army, the Navy, the Air Force, and the Advanced Research Projects Agency, will each adjust their internal funding plans, Crowley said.

ARPA has been "key over the years in funding computer science," said Kenneth D. Campbell, director of the news office. Many innovations in computing over the past 25 to 30 years have come from ARPA-funded projects, he said.

The distribution is reduced as follows: $13.8 million from the Army, $62.2 million from the Navy, $18.5 million from the Air Force, $86.5 million from defense-wide appropriation, and $19.1 million associated with university laboratories, according to the House of Representatives' Congressional Record [Sept. 26].

"It's particularly worrisome because in national terms, as well as MIT terms, the DoD funding is heavily concentrated in schools of engineering" — especially in departments of computer science, materials science, and ocean engineering, Crowley said.

"I think that it is important to note that the effects of this run counter to national policy goals for science and engineering and current administration," Crowley said.

Many lobbed for MIT

Crowley credited the efforts of his members of Congress for reducing the cuts to $200 million from drastic reductions originally approved by the House. "One has to look at the $200 million cut as a serious problem, which we believe must also be understood that we had a Democrat proposal to cut it by $900 million."

Sen. Edward M. Kennedy, Sen. John F. Keough, and Rep. Joe Moakley were "absolutely crucial to us in the conference committee, they went to great lengths to express their support and to urge their colleagues to restore funding," Crowley said.

The Massachusetts delegation sent a letter supporting university research funding to the House of Representatives on Aug. 26.

"With certain Congressmen support, several industry leaders strongly backed the universities' position," Crowley said.

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exams which "have the reputation of being long," Field said. "We expect people to construct their answer rather than merely memorize equations."

At least one demonstration a week is scheduled, which "is very important because chemistry is an experimental science." There are no laboratory assignments in this course because the resources for 1,100 students are not available, he said.

A unique feature of 5.11 is Teamwork. Teamwork is optional, but it enables groups of three to five students to study and work on 5.11 together as a team. Being a part of a Teamwork group can only help one's grade because at the end of the term, the student receives the higher of either his own grade or a combination of his and the team's grade, Field said. A designated team coordinator is responsible for getting the grades on schedule, as well as acting as a regular liaison with the recitation instructor.

"The recitations and teaching assistants play the key role in my course. Lecture sets the stage, but real learning in chemistry is associated with the presence of the TA's. In other words, I create the anxiety and the TAs put the fire in," Field said.

Field's advice to freshmen is: "Don't get behind, but have fun!"

**7.912**

Introductory Biology (7.912) is taught by professors Eric Lander and Harvey F. Lodish.

"The big picture of biology is to understand the complex that I advise my students to look at the broad picture and not to get hung up with little minute details," Lander said. "I love to teach and to convey my enthusiasm in the class."