SPECIAL TOPICS IN PUBLIC AFFAIRS: WEAPONS OF MASS DESTRUCTION AND INTERNATIONAL SECURITY
Christopher F. Chyba   WWS 454
Examines the roles of nuclear, biological, and chemical weapons in international security historically, at present, and in possible futures. The technical basis for these weapons will be presented at a level suitable for the non-scientist, and the challenges of state and non-state acquisition or development will be assessed. Topics to be examined include dissuasion, deterrence, defense, preventive war, preemption, arms control, nonproliferation, counterproliferation, and terrorism.

LIFE IN A NUCLEAR ARMED WORLD
Zia Mian   FRS 141
Sponsored by the University Center for Human Values
The nuclear age has been more than just growing arsenals, crises, proliferation, and an ever present threat of nuclear war. The American novelist E. L. Doctorow has written of "the secret story of American life under the bomb," observing that, "We have had the bomb on our minds since 1945. It was first our weaponry and then our diplomacy, and now it's our economy. How can we suppose that something so monstrously powerful would not, after years, compose our identity?" This course will try to unpack some of these meanings of the nuclear age, using scholarly and popular writings as well as movies and documentary films about the bomb. It introduces some of the basic science and technology of nuclear weapons, and the consequences of the atomic bombing of Japan. It examines the decision to build and field the even more destructive hydrogen bomb, and the use of nuclear weapons for deterrence and as an instrument of power in international affairs. The design, development, production, and maintenance of a nuclear arsenal carries many economic, political, and environmental costs and the course explores the consequences of America's nuclear arsenal during the Cold War. The bomb has been the focus of some of the most important public protests in modern U.S. history, especially in the 1950s and 1980s, and the course revisits the struggles of the anti-nuclear movement in its efforts to restrain decision-makers, end arms races, and to ban the bomb. The course ends by asking whether the bomb is here to stay or whether it may be possible to imagine an end to the nuclear age.

POLICY WORKSHOP - HOW CAN WE ACHIEVE TOTAL NUCLEAR DISARMAMENT?
Frank N. von Hippel, Randy J. Rydell   WWS 591F
Workshop members will form a task force charged with assessing the provisions and progress of the Non-Proliferation Treaty: costs and benefits of the goal of total nuclear disarmament vs. its alternatives; parallel changes in regional and global security that would be required; advantages and disadvantages of agreeing in advance on a Framework Treaty on Nuclear Disarmament versus the current process of incremental nuclear arms control and reductions.

FRESHMAN SEMINAR - DILEMMAS IN INTERCOLLEGIATE AND PROFESSIONAL ATHLETICS
Harold A. Feiveson   FRS 157