



Physics

Ph 114
Physical Energy and Pollution

Seeking an increased awareness in the important problems of today's technological society? Interested in the environmental problems that arise from energy production and consumption? A course entitled **Physics of Energy and Pollution** is being offered to help the student get at the who's, why's and wherefore's of our energy-consuming, pollution-producing technologic culture.

Concepts that will be dealt with in this course include a discussion of the nature of the energy and environmental crisis; the basic principles of physics (such as a view of matter in terms of atoms and molecules); the energy laws and the nature of radiation; the potential of chemical, nuclear fission and geothermal-power plants; the current difficulties and the future of the internal combustion engine and the possibilities for mass transit, electric cars and other plausible alternatives.

The problems of conservation, recycling, control and management of energy production and consumption are also dealt with.

The course is designed for non-science majors and is entirely non-mathematical. The textbooks used are **The Energy Crisis** by Yannacone plus a preliminary manuscript of a text by Amit Goswami, to be provided in free weekly ditto sections.

Students are expected to work on non-mathematical problem sets and participate ac-

tively in discussing proposed solutions to many of the problems presented in class. The class will meet at 12:30 MWF.

Jack Kinnunen

Ph 118
Electricity for Everyone

Electricity for Everyone is an elementary study of the electromagnetic phenomenon and its applications in everyday life. There are no prerequisites and it is open to all non-science majors.

Concepts that will be dealt with spring term are: electrical charge and current, magnetism, energy production and conversion, the electron and electromagnetic waves. The course will also go into the applications in electric power generation and transmission, electric motors, radio, radar and television.

Grades will be based on a one-hour midterm, a two-hour final and a term paper of project.

This course does not satisfy the science group requirements, nor is it set up to test the students' academic potential in physics. I seriously doubt if it will even show you how to fix your electric toaster. However, if you are curious about the principles behind electrical energy, the chief source of power in Oregon, this is the class for you.

Jack Kinnunen

Political Science

PS 407
Watergate: Impeachment

This course is designed to explore and investigate the who, what, why and how of Watergate and all of its implications. Emphasis will be placed on the question of impeachment and the forces which may lead Congress to impeach Richard Nixon.

The course is an attempt to have a contemporary political science experience. The unfolding of events will be followed with the use of films and guest speakers, as well as extensive reading and an in-class simulation vote of the 38 people on the House Judiciary Committee who are deciding the impeachment case possibilities, complete with a supplied Ralph Nader profile of each member whose role will be assumed.

Term reports on either the role-playing or one of five study areas will be required. The ground covered will include these areas: 1) Presidential Power; 2) Impeachment and the Rodino House Committee; 3) Electoral Reform and Civil Liberties; 4) Nixon (the man, the mind, his cast of characters; and 5) the Courts and the Special Prosecutors.

There will be lectures and discussion as well as the simulation, et al. Enrollment is limited to 100. Among the readings are these: Arthur Schlesinger Jr.'s "The Imperial Presidency," Chester, et al "Watergate"; the New York Times, "Watergate

Hearings '73" and books on impeachment by Raoul Berger and local historian Irving Brant.

Owen Mascott

PS 485G
Civil Rights and Civil Liberties

This course will attempt to analyze the present meaning and content of civil rights and liberties as they are defined by recent opinions on the United States Supreme Court. This is done on the prevailing ethos of American politics in Spring 1974: Watergate; the Nixon Presidency; the Burger Court; law and order; the disillusioned American majority; and the silent student bodies of the mid-1970s.

As an analysis of recent Supreme Court cases from a political perspective with emphasis on the current context, the questions to be discussed would include these: Who are the judges? What are their values? What is the future of the Court?

Largely a discussion course with much comment back and forth, the approach will attempt to be very-up-to-the-minute and a synthesis of legal and political effects on American rights and liberties. Featured reading will be the publication **U.S. Reports** which details the official Supreme Court cases. Also to be read are Abraham's "Freedom and the Court," John Casper's "The Politics of Civil Liberties;" and "The Impact of Supreme Court Decisions," Becker and Feeley eds.

Owen Mascott

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