

School of Management, Engineering and Technology
Department of Electrical Engineering and Renewable Energy
HIST 356: History of Energy

Catalogue Description (2009/2010):	Study of the emphasis societies place on the development, safeguarding and exploitation of energy resources. Development of energy resources since the Industrial Revolution; exploitation of energy resources; oil shocks of the 1970s, glut of the 1980s; the modern energy paradigm.		
Hours/Credits: (Lecture-Lab-Total)	(3-0-3)		
Class Schedule:	Online		
Prerequisites:	WRI 123 or WRI 227		
Required Text:	Alfred W. Crosby, Children of the Sun: a History of Humanity's Unappeasable Appetite for Energy, (2006 Edition) Daniel Yergin, The Prize: The Epic Quest for Oil, Money, and Power (2008 Edition) Readings Packet (on sale at OIT bookstore)		
Course Coordinator:	Mark Clark, Ph.D.		
Course Objectives:	<p>Upon completion of the course, a student should be able to:</p> <ul style="list-style-type: none"> • Outline the development of energy resources since the beginning of the industrial revolution • Recognize the influences of energy resources on national policies • Identify the significant personalities since the beginning of the Industrial Revolution • Outline the historical evolution of multinational energy companies • Recognize how World War I concessions produced modern Middle Eastern national boundaries • Recognize how Stalinist Russia produced the modern boundaries of Central Asian nations. • Relate the influences of national energy concerns to the outcomes of World War II • List the motivations for the formation of OPEC • Outline the processes of oil concession transfers from Western to Middle Eastern powers • Identify the major international players in the world energy markets • Describe potential future international energy conflicts 		
Topics Covered:	<ul style="list-style-type: none"> • Industrial Revolution • The Second Industrial Revolution • Oil and Globalization • Oil and World War II • Oil and Nationalism • Electrical Power Distribution • The Future of Energy • Global Warming 		
Relevant Program Outcomes:	(g) an ability to communicate effectively (n) an appreciation for the influence of energy in the history of modern societies		
Required or Elective:	Required		
Category:	General Education		
Prepared By:	Robert Bass, Ph.D.	Updated:	May 17, 2010