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Summer 2005

DIPL 4506 Energy Policies of the 21st Century

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SETON HALL UNIVERSITY
John C. Whitehead
School of Diplomacy and International Relations

DIPL 4506 Energy Policies of the 21st Century

Summer 2005

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INTRODUCTION

Energy resources, their geographical distribution, production and consumption are fundamental to our day to day way of life. Global energy use continues to expand, straining resources and increasing pollution. Countries are resolving to provide extra electricity from clean renewable sources by 2020. However, fossil fuels are still the main suppliers of energy needed to enhance development. There has been in the past fifty years, and will be in the first decades of 21st century, intense politico-economic relations between the producing and consuming regions/countries of the world to secure the flow of oil (and natural gas) across the globe. The course explores energy options, analyzing the economic, political, environmental and technical constraints upon them, in light of major current imperatives. It also looks at the U.S. foreign policy based on energy resources.

Course Description:

The course is comprised of two parts:

- *First:* INTRODUCING ENERGY RESOURCES:
Defining Energy ; Oil and Other Resources; Global Distribution.
- *Second:* ENERGY POLICIES

REQUIRED READINGS:

1. The Geopolitics of Energy into the 21st Century; A Report of the CSIS Strategic Energy Initiative, vols. 1 & 3, the CSIS Press, Washington D.C., November, 2000.
2. Annual Energy Outlook 2005, Energy Information Administration, (downloadable from www.eia.doe.gov/oiaf/aeo).
3. Occasional Reading Packets provided by the Instructor.

ASSIGNMENTS AND GRADING:

Student grades for this course will be assessed via two graded assignments, arriving at the end of each section of the course.

- After our introductory overview of the energy resources (part one) , (7th class meeting) students will write a 4 page (typed double-spaced) paper about each source of energy, relevant statistics and global distribution. Students use Instructor's lectures, recommended readings and internet resources. (40 points)
- The second portion of the course will be followed by an in-class exam on the geopolitics of oil and other sources of energy, its role in global security and American foreign policy in 21st century. (at scheduled final exam date). Students use vols. 1&3 CSIS Report, Annual Energy Outlook, class discussions and handouts. (60 points)

Remarks:

1. Students are expected to attend classes regularly and will be held responsible for materials covered in class. Students are expected full attendance in the class. Late arriving and/or early leaving will disrupt the ongoing activities of the class.
2. It is imperative that students do all the readings and take class notes.
3. It is very important that the research paper be completed individually. The topic of the mid-term paper will be selected by the student with consultation with and the approval of the instructor.
4. Each student will make short class presentation of his/her research paper. Further information on this will be provided within the early weeks of class meeting.

Course Outline

PART ONE	<i>Introduction</i>
<i>Session 1</i>	Defining Energy; forms, varieties & classifications Lecture. (Take Notes)
<i>Session 2</i>	The non-renewable resources: Fossil Fuels ; origins , global distribution 1- COAL <ul style="list-style-type: none">• Lecture. (Take Notes)• Read: Annual Energy Outlook (section: coal)

<i>Session 3</i>	2- OIL <ul style="list-style-type: none"> • Read: Annual Energy Outlook (section: oil) • Take note of class discussions
<i>Session 4</i>	3- GAS <ul style="list-style-type: none"> • Read: Annual Energy Outlook (section: gas) • Take note of class discussions
<i>Session 5</i>	The renewable resources: Non-Fossil Fuels ; definitions, global distribution 1- HYDROPOWER (Water Politics) <ul style="list-style-type: none"> • Read: Instructor's Reading Packet • Take note of class discussions
<i>Session 6</i>	2- Solar, Wind, Waves and Tides, Geo-thermal. Other technologically advanced resources <ul style="list-style-type: none"> • Read: Annual Energy Outlook (section: New Energies)
<i>Session 7</i>	2- Nuclear Energy; technology, producing electricity or atomic bomb? Politics of WMDs <ul style="list-style-type: none"> • Read: <ul style="list-style-type: none"> a: Instructor's Reading Packet b: Annual Energy Outlook (section: Nuclear) c: Take note of class discussions
<i>Session 8</i>	Submission of mid-term paper. Discussion
PART TWO	<i>ENERGY POLICIES</i>
<i>Session 9</i>	The Geo-politics of Energy <ul style="list-style-type: none"> • Read: CSIS Report , vol. 1, pages xv – xxiv & 1-6
<i>Session 10</i>	World oil & gas reserves; Major producing countries <ul style="list-style-type: none"> • Read: CSIS Report , vol. 3, pages 1-50
<i>Session 11</i>	ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES (OPEC) Visit: www.opec.org
<i>Session 12</i>	Energy Policy Considerations <ul style="list-style-type: none"> • Read: CSIS Report , vol. 1, pages 19 - 31
<i>Session 13</i>	Energy and the Environment. Concluding Discussion <ul style="list-style-type: none"> • Read: CSIS Report , vol. 3, pages 51-63
<i>Session 14</i>	Final Examination