

Naval Postgraduate School
National Security Affairs
Energy Security

Dr. Robert Looney
Spring Term 2017
NS4960

Office Glasgow 305
Office Hours MW 9-9:45, 2-2:45
and by appointment relooney@nps.edu
Class Webpage: <http://relooney.com>

OUTLINE

Text

David Bernell and Christopher A. Simon, *The Energy Security Dilemma: US Policy and Practice*, Routledge, 2016

David Steven, Emily O'Brien and Bruce Jones eds., *The New Politics of Strategic Resources: Energy and Food Security Challenges in the 21st Century*, Brookings, 2015

John Deni, *New Realities: Energy Security in the 2010s and Implications for the U.S. Military*, United States Army War College Press, 2015

Supplemental

Robert Looney, editor, *Handbook of Oil Politics*, Routledge, 2012 on Sakai

Robert Looney, editor, *Handbook of Transitions in Energy and Climate Security*, Routledge, 2017 on Sakai

Leif Rosenberger, *The Strategic Importance of the Global Oil Market*, Strategic Studies Institute, U.S. Army War College, June 2015 (link on website)

John Duffield, *Fuels Paradise: Seeking Energy Security in Europe, Japan and the United States*, Johns Hopkins University Press 2015 on Sakai

Gal Luft and Anne Korin, eds, *Energy Security Challenges for the 21st Century: A Reference Handbook*, Praeger, 2009 on Sakai

Carlos Pascual and Jonathan Elkind, eds, *Energy Security: Economics, Politics, Strategies, and Implications*, Brookings, 2010 on Sakai.

Class Objective: Develop a framework for understanding the critical aspects of energy security as it pertains to the United States and other parts of the world

ASSIGNMENTS

April 3/5

Introduction, Concepts of Energy Security/Energy Independence
Bernell and Simon, Ch. 1 Energy Security as a Concept
Duffield, Fuels Paradise, Chapters 1 and 2
Readings on Class Webpage

April 10/12

Introduction to Energy Markets
Readings on Class Webpage

April 17/19

Energy Supply Factors
Steven, O'Brien and Jones, Ch 11 Oil, Domestic Politics and International Conflict
Deni, Ch. 8 Evolving Nuclear Industry
Readings on Class Webpage

April 24/26

U.S. Energy Policy Overview
Bernell and Simon, Chapters 2, 3
Readings on Class Webpage

May 1/3

U.S. Energy Policy: Fossil Fuels, Renewables
Bernell and Simon, Chs 4, 5
Deni Ch 6 New Geopolitics of Energy
Deni Ch 7 Security Risks of Renewables
Readings on Class Webpage

May 8

U.S. Energy Policy: International Dimensions
Bernell and Simon, Chs 6
Readings on Class Webpage

May 10/15

Energy Security Middle East/Africa
Steven, O'Brien and Jones, Ch 5 Nigeria. Ch. 8 Saudi Arabia
Deni, Ch 4 Energy Revolution and American Policies toward Africa
Deni Ch 3 The Arab Uprisings Heavy Costs and Ephemeral Benefits
Readings on Class Webpage

May 17/22

Energy Security Asia: China/Japan/India

Steven, O'Brien and Jones, Ch 2 China. Ch. 3 India Ch 7 India/China

Deni Ch 9 China's Quest for Resources

Deni, Ch 10 India's Energy Security

Deni Ch 11 Energy Demand in the Developing World

Deni Ch 12 New Supply Routes, New Conflicts

Readings on Class Webpage

May 24/31

Energy Security Europe/Russia/Central/Asia

Steven, O'Brien and Jones, Ch 6 Pipelines, Ch 12 Russia

Deni Ch. 2 Russia and Energy Markets

Readings on Class Webpage

June 5

Canada/Mexico/Latin America

Steven, O'Brien and Jones, Ch. 4 Brazil

Deni, Ch 5 The Impact of Political Instability

Readings on Class Webpage

June 7/12

Summing Up Implications for the Military

Bernell and Simon, Ch 7

Steven, O'Brien and Jones, Ch 13, 14 Challenges for the U.S.

Deni Ch 13 The Army's Approach to Energy Security Challenges

Deni Ch 14 Operational Energy

Deni Ch 15 Hacks on Gas: Energy, Cyber Security

Chapter 16 NATO and Energy Security

Chapter 17 Feasibility of Small Modular Reactors for Military Installations

Readings on Class Webpage

Class Grade

Requirements. Your course grade will be based on these components:

Class participation 20% of course grade

The best way to achieve full marks for class participation is to read the assigned readings and come prepared to ask questions during course meetings.

Present key reading and lead class discussion 20% of course grade. Each student will present one of the assigned readings in either the Deni or Steven, O'Brien and Jones book and lead the class discussion – about half an hour total. Will start in Week 3

Individual policy paper 60% of course grade

Policy paper of your choice – around 20 pages