

SYLLABUS
version 11apr11a

Geopolitics of the Global Oil System

The New School University
Graduate International Affairs
Spring 2011

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<http://TomOD.com>
Office Hours: After class or appointment (call my cell)

Student research-group blogs:

1. [China Oil Affairs](http://chinaoilaffairs.blogspot.com/) <http://chinaoilaffairs.blogspot.com/>
2. [Rentismo & Dutch Disease](http://rentismo.blogspot.com/) <http://rentismo.blogspot.com/>
3. [Venezuelan Oil](http://venezuelanoil.blogspot.com/) <http://venezuelanoil.blogspot.com/>
4. [Middle East and North African Oil](http://menapetroleum.blogspot.com/) <http://menapetroleum.blogspot.com/>

Short Description

This course examines the political economy of global energy, especially oil, and its geopolitical consequences for the Middle East, Latin America, China, and U.S. policy. In **Part 1, Resources**, we examine available energy resources, their global distribution, the possibilities for bio-alternatives; the world growth in oil-fueled vehicles, and critique "Peak Oil" theories. **Part 2, Political Economy** examines the structure of today's market-centered global oil system, comparing it to the previous non-market, neo-colonial system that ended with OPEC's nationalizations. We examine issues of oil and natural gas price levels, volatility, financial speculation in futures markets and related 2010 U.S. legislation. We consider the role of private international oil companies v. national oil companies, cartels and monopolies, types of oil and gas contracts and the concepts of rents, *rentismo*, the resource curse and Dutch disease. Using this background we proceed to ... **Part 3, Geopolitics**, examining the historical role of oil in Arab-Israeli conflicts, the U.S.-British coup against Iran's Mossadeq, the Iranian Revolution, the U.S.-Iran "nuclear" crisis, the Iran-Iraq War, the Gulf War, the Iraq War, and discuss policies of OPEC, Saudi Arabia, Venezuela, Mexico, and especially U.S. and Chinese energy geopolitics. Finally, we critique theories of an era of energy-based "resource wars," a "multi-lateral" world order and the rise of BRIC states.

Required texts

Yergin, Daniel, "The Prize: The Epic Quest for Oil, Money & Power," The Free Press, New York, 1992.
All other materials are accessible online

Grading

Attendance, preparation, presentations, discussion: 40%
Exams and homework: 25%
Project, 35%

Links:

- Class homepage: http://www.umich.edu/~twod/oil_s2011
- New School Academic Calendar (Last add 4 Feb, Last drop 11 Feb) <http://www.newschool.edu/student-services/registrar/calendar.aspx>
- Articles posted at: <http://www.umich.edu/~twod/articlea> unless otherwise stated.
- Class e-mail archive: http://www.umich.edu/~twod/oil_s2011/email
- Homework solutions: http://www.umich.edu/~twod/oil_s2011/solutions

Class Pattern:

Class and the assignments follow a pattern. Students are responsible to complete all assigned readings. We generally begin with a brief presentation/lecture by the instructor, often beginning with a short resume of the previous class topics, and then we begin a discussion of the day's readings. Two or three students will have been assigned to present focused comments and questions about each section of readings, and the professor leads a Socratic discussion. There will be a semester project developed in stages.

PART 1: RESOURCES

1. 26 Jan 2011 – Introduction:

The World's Available Energy Resources: Location, Present and Future Demand, Alternatives

- Lecture: "The world's available energy resources, and their use 2006-2030"
 - http://www.umich.edu/~twod/oil-ns/lectures/waterpower_twod_24jul09a_ed.ppt
 - Based on report of U.N. Intergovernmental Panel on Climate Change (IPCC) & IEA data
- Research Resources: Introduction to the online energy data and information resources:
 - EIA at <http://www.eia.doe.gov/> Note the Country Analysis Briefs, CAB
 - IEA at <http://www.iea.org/> Especially the World Energy Outlook (WEO)
 - CIA Country Briefs at <http://www.cia.gov/cia/publications/factbook/>
 - BP Statistical Review of World Energy, and Historical Data Series since 1965: <http://www.bp.com/productlanding.do?categoryId=6842&contentId=7021390>
 - Oil and Gas Journal: <http://www.ogj.com/index.cfm>
 - JODI (Joint Oil Data Initiative) of the IEF (International Energy Forum Secretariat) <http://www.jodidata.org/FileZ/ODTmain.htm>
 - Links to other databases here: UNSD, OPEC, IEF, IEA, EUROSTAT, OLADE
 - IAEE (International Association for Energy Economics) <http://iaee.org> and USAEE (US Association for Energy Economics) <http://usaee.org>
 - The professional and academic society for energy economics and policy. See the "Energy Journal" of IAEE, Newsletters and the Energy Blog
 - US Geological Service, "World Petroleum Assessment 2000" <http://pubs.usgs.gov/dds/dds-060/>
 - UN Intergovernmental Panel on Climate Change (IPCC) [add link here]

Assignment: You will be assigned to use the above online resources to find material on specific energy producing countries or energy topics to bring to the following class, to aid in familiarizing oneself with these resources.

2. 2 Feb 2011 – Oil in the Global Economy

Overview of the present and future role of oil in the world economy

- O'Donnell, T.W., "Global Oil to 2030: A Quantitative Assessment in the Context of International Affairs"; International Relations and Security Network (ISN), Zurich, Switzerland; 2 May 2007 <http://www.isn.ethz.ch/isn/Digital-Library/Publications/Detail?id=30696&lng=en> or http://www.umich.edu/~twod/12_casestudy_global_oil-01may07.pdf
- IEA's World Energy Outlook 2008 & 2010
 - Full report (free, 578 pp.) <http://www.iea.org/textbase/nppdf/free/2008/weo2008.pdf>
 - You will be assigned one of the 19 chapters to read and tell the class about it,
 - Table of Contents 2010 <http://www.iea.org/Textbase/nptoc/weo2010toc.pdf>
 - Executive Summary, 2010 <http://www.iea.org/Textbase/npsum/weo2010sum.pdf>
 - Press release 2010 http://www.iea.org/Textbase/press/pressdetail.asp?PRESS_REL_ID=402
- For reference:
 - Table of Contents 2008 <http://www.iea.org/Textbase/nptoc/WEO2008TOC.pdf>
 - Press release 2008 http://www.iea.org/Textbase/press/pressdetail.asp?PRESS_REL_ID=275
 - Executive Summary, 2008 <http://www.iea.org/Textbase/npsum/WEO2008SUM.pdf>

Assignment: Read as indicated above. Will be assigned via e-mail one of the 19 WEO 2008 chapters to read and tell the class about it,

3. 9 Feb 2011 – Is the World Running Out of Oil?

The US Geological Survey v. the "Peak Oil" School

A: Would peak oil really mean "an end of industrial society"?

- O'Donnell, T.W., "Theories of a Global-Oil Crisis" [Draft] January, 2006. http://www.umich.edu/~twod/oil-ns/articles/malthusian-7pp_25jan06b.doc
 - *This is an incomplete article; but gives some flavor of the (neo)-Malthusian social implications drawn by "Peak Oil" school adherents*

B: USGS (US Geological Survey) assessment of world oil resources

- "Long Term World Oil Supply: A Resource Base / Production Path Analysis" Energy Information Administration (EIA), DOE, 2000. http://www.umich.edu/~twod/oil-ns/articles/longterm_usgs_oil_peak_estim_eia2006.pdf
 - Study these slides and explanatory notes carefully.
 - *The authors indicate that this is an: "EIA presentation on estimates of the world conventional oil resource base and the year when production from it will peak and then begin to decline. A version of this presentation was given by former EIA Administrator Jay Hakes to the April 18, 2000 meeting of the American Association of Petroleum Geologists (AAPG) in New Orleans, Louisiana."*
- [Optional] "U.S. Geological Survey World Petroleum Assessment 2000 – Description and Results" "Chapter ES" (i.e., "Executive Summary"): <http://energy.cr.usgs.gov/WEcont/chaps/ES.pdf>
- [Optional] The USGS 2000 report used in, the above report "Long Term World Oil Supply: <http://pubs.usgs.gov/dds/dds-060/> Often referred to very negatively by adherents of Peak Oil

C: The Peak Oil School predictions of oil resource depletion

- Simmons, Matthew, "The Implications of Saudi Arabian Oil Declining" at Hudson Institute event: "Saudi Arabia in Crisis". 9 July 2004. *Simmons was a major proponent of the "Peak Oil" school*
 - Transcript and Power Point http://www.hudson.org/index.cfm?fuseaction=HUDSON_upcoming_events&id=169
 - [Dead link: RealPlayer file from CSPAN at: "The View From the Peak", at: <http://www.theviewfromthepeak.net/multimedia/mmm.html>
 - Two YouTube videos of Matt Simmons' talks on Peak Oil predictions:
 - <http://www.youtube.com/watch?v=0Hrpv21Ubf8>
 - <http://www.youtube.com/watch?v=4lwtAQzrfiw>
- Research resources
 - Campbell, C., Laherrere, J.H., "The End of Oil," Scientific American, March 1998. http://www.umich.edu/~twod/oil-ns/articles/campbell_laherrere_sci_am_mar1998.pdf
 - Goodstein, David, "Thesis: The End of Oil," Nature Physics, 01 May 2007, p. 291, http://www.umich.edu/~twod/oil-ns/articles/naturephys_goodstein-vol3_01may07-p291.pdf (bottom of page) *Op-Ed supporting Peak Oil (see "Out of Gas" reference, following)*
 - Goodstein, David, "Out of Gas: The End of the Age of Oil," Norton, New York, 2004. (132 pp.)
 - *Physicist on science of fossil and other (e.g., nuclear, solar, etc.); but (imho) draws unsupported socio-economic conclusions about "Peak Oil"*
 - Korin, Anne, "Can Alternative Energy Sources Replace the Saudi Share?" at Hudson Institute event: "Saudi Arabia in Crisis". 9 July 2004 <http://www.hudson.org/files/publications/Korin%20-%20Alternative%20Energy.pdf>

D: Technical and Scientific arguments against the Peak Oil school

- The New Old Economy: Oil, Computers and the Reinvention of the Earth, The Atlantic Monthly (in three parts), Jonathan Rauch, January 2001. http://www.umich.edu/~twod/oil-ns/articles/010100_atlantic_rauch01_new_old_economy.pdf

4. 16 Feb 2011 – Alternatives to Oil: Scientific, Environmental, and Economic Challenges

- Lecture:
 - Agricultural impact and role of bio fuels, is ethanol effective, etc. [insert ppt link]
- Read
 - A: Fossil Fuel Alternatives: Oil sands, shale oil, Gas and/or Coal to Liquid**
 - “America’s Oil Shale Resource,” Office of Deputy Assistant Secretary for Petroleum Reserves, Office of Naval Petroleum and Shale Oil Reserves, DOE [DOE/NPOSR], March 2004, Washington, D.C.
 - Volume I: “Assessment of Strategic Issues,” Read pp. 1 – 15; but especially pp. 10 – 15. http://www.umich.edu/~twod/oil-ns/articles/npr_strategic_significancev1.pdf
 - Volume 2: “Oil Shale Resources Technology and Economics.” http://www.umich.edu/~twod/oil-ns/articles/npr_strategic_significancev2.pdf
 - Section 4, “Analogy to Canada’s Tar Sands Commercialization,” pp. 28– 34
 - “Conclusions” p. 35
 - [Optional] Section 3, “Environmental and Regulatory Issues,” pp. 22 – 28.
 - [Optional] Appendix B: “Oil Shale Technologies (to 1991)”, pp. B-1 - B-5
 - [Optional] Bunker, J.W., Crawford, P.M., Johnson, H.R., “Is Shale Oil America’s Answer to Peak-Oil Challenge?” Oil and Gas Journal, 9 August 2004: <http://www.fossil.energy.gov/programs/reserves/publications/Pubs-NPR/40010-373.pdf> *Article with good graphics*
 - [Optional] International Centre for Heavy Hydrocarbons, <http://www.oildrop.org/downloads.html>
 - B: Bio-Fuel Alternatives: Ethanol and Bio-diesel**
 - Sanderson, Katharine, “A Field in Ferment: To move US bio-fuels beyond subsidized corn will be a challenge”, Nature, Vol. 444, 7 December 2006, pp. 673 – 676. http://www.umich.edu/~twod/oil-ns/articles/nature_corn-bio-fuel444673a07dec06.pdf
 - Farrell A.E. et al, “Ethanol Can Contribute to Energy and Environmental Goals,” Science, Vol. 311, p. 506 – 508, January 2005, on feasibility of corn based ethanol. http://www.umich.edu/~twod/oil-ns/articles/science_ethanol_farrell_feb06.pdf
 - Letters to Editor of Science on above article http://www.umich.edu/~twod/oil-ns/articles/science_ferrel_ethanol_letters_jan06.pdf
 - See especially Letters concerned with affect on agriculture: “Looking at Bio-fuels and Bio-energy,” “Harvesting our Meadows for Biofuel?” and etc.
 - [Optional] Castro, Fidel, “Reflections by President Fidel Castro: It is imperative to have an immediate energy revolution,” Grandma, 1 May 2007. p. 1. (English translation) http://www.umich.edu/~twod/oil-ns/articles/castro_bio-fuels_01may07.pdf
 - *Castro’s critique of sugarcane-based ethanol as depriving the poor of food.*
 - C: Hydrogen Fuel Alternatives (Note: really an energy storage medium, not a fuel per se)**
 - American Physical Society (APS) Committee Report on Bush Administration’s Hydrogen Economy Program. “The Hydrogen Initiative: Current technology is promising but not competitive. More emphasis needed on solving fundamental science problems.” Full Report of APS Panel on Public Affairs, March 2004: <http://www.aps.org/policy/reports/popa-reports/upload/hydrogen.pdf>
 - [Optional] APS webpage on media discussion of report’s release <http://www.aps.org/publications/apsnews/200405/hydrogen.cfm>
 - [Optional] Presentation by Mildred Dresselhaus of MIT on the APS report: http://www.aps.org/meetings/multimedia/upload/Mildred_Dresselhaus.pdf

PART 2: POLITICAL ECONOMY OF ENERGY

5. 23 Feb 2011 – OPEC nationalizations, end of neo-colonial oil system, emergence of a global, market centered oil system

- Lecture
 - “Political-Economy of Global Oil Order: Demand, Resources, Technology and U.S. Policy.” http://www.umich.edu/~twod/oil-ns/lectures/ns_oil_17nov06bsent.ppt
- Read
 - O’Donnell, T.W., “The Political Economy of Oil in the U.S.-Iran Crisis: U.S. globalized oil interests vs. Iranian regional interests,” O’Donnell, Thomas, 39 pp. plus figures, at GPIA Faculty Working Papers: http://www.gpia.info/files/u16/O_Donnell_2009-05.pdf (best format); or homepage: http://www-personal.umich.edu/~twod/writing/iran_oil_usc_01jul09-draft.pdf
 - Yergin, Daniel, “Ensuring Energy Security,” Foreign Affairs, March / April, 2005, pp. 69–82. http://www.umich.edu/~twod/oil-ns/articles/yergin_for_aff_energy_security_mar-apr05.html
 - Yergin, Daniel, “Supply Diversity No Longer Key to Energy Security, Daniel Yergin Says; Entire Supply Infrastructure Must be Protected; Conservation is ‘Underrated,’” Foster Natural Gas Report, Section: Report No.

2586; Pg. 7, April 7, 2006. http://www.umich.edu/~twod/oil-ns/articles/vergin_energy_supply_diversity_conservation_7apr07.htm

- Foreign Affairs by Victor et al 2010.
- Research resource:
 - The Geopolitics of Energy: Emerging Trends, Changing Landscapes, Uncertain Times”, By Frank A. Verrastro, Sarah O. Ladislaw, Matthew Frank, Lisa Hyland, Contributor: James R. Schlesinger, Oct. 29, 2010 http://csis.org/files/publication/101026_Verrastro_Geopolitics_web.pdf
 - Foreign Affairs guide to reading about oil

6. 2 Mar 2011 – Oil prices, volatility and futures market: Fundamentals of supply and demand or speculation?

A: High prices of 2003-2008: Arguments from fundamentals of supply and demand

- Read
 - Reich, Oliver, “Oil Supply and Demand,” Newsletter of International Association of Energy Economics, Second Quarter, 2006, pp.15-19 <http://www.iaee.org/documents/06spr.pdf#page=15> Author from *Institute Francais du Petrole [IFP] School, Paris.*
 - Guy Caruso, former Administrator, U.S. Energy Information Agency (EIA) of the US DoE, Congressional Testimony on High Oil Prices, 2008 (**include link**)
 - Richard Newell, Administrator, U.S. EIA, Short-Term and Winter Fuels Outlook, New York Energy Forum, October 18, 2010
 - See last two, supplementary slides; argument similar to G. Caruso’s: http://www.nyenergyforum.org/app/filegmt_data/files/NY_Energy_Forum_10-18-2010%5B1%5D.pdf

B: High prices of 2003-2008: Arguments for speculation in oil futures market

- Read
 - The Impact of Financial Reforms on Energy Markets, materials provided by Michael Greenberger, School of Law, University of Maryland and Advisor to UN Commission of Experts on Reforms of the International Monetary and Financial System (*Author’s Congressional testimony was major factor in financial regulation reform act of 2010*) See: NY Energy Forum presentation, 15 Sept. 2010 at: <http://www.nyenergyforum.org/app/filegmt/index.php?topic=r> , or go directly to following links:
 - “The Role of Derivatives in the Financial Crisis” Before the Financial Crisis Inquiry Commission (June 30, 2010). Written Testimony: http://www.michaelgreenberger.com/files/FCIC-Michael_Greenberger_Testimony.pdf
 - “The Relationship of Unregulated Excessive Speculation to Oil Market Price Volatility” Prepared for the International Energy Forum (Jan15, 2010) <http://www.michaelgreenberger.com/files/IEF-Greenberger-AppendixVII.pdf>
 - “Excessive Speculation: Position Limits and Exemptions” Before the Commodity Futures Trading Commission (Aug. 5, 2009). Written Testimony: http://www.michaelgreenberger.com/files/CFTC_AFR_Sign_On_Testimony_August_3.pdf
 - “Energy Speculation: Is Greater Regulation Necessary to Stop Price Manipulation? – Part II” Before the House Energy and Commerce Subcommittee on Oversight and Investigations (June 23, 2008). Written Testimony: http://www.michaelgreenberger.com/files/June_23_2008_testimony.pdf
 - *60 Minutes*: Speculation Affected Oil Price Swings More Than Supply And Demand (Jan. 11, 2009)
 - Video Part 1 <http://www.youtube.com/watch?v=JOqEkrwBihY>
 - Video Part 2 <http://www.youtube.com/watch?v=FRlixmr-zA>
 - Transcript: <http://www.cbsnews.com/stories/2009/01/08/60minutes/main4707770.shtml>
 - *Frontline*: The Warning: Long before the meltdown, one woman tried to warn about a threat to the financial system
 - PBS Video: <http://video.pbs.org/video/1302794657>
 - Transcript: http://www.tc.pbs.org/cove-media/http/PBS_CP_FRONTLINE/219/453/2802.txt
 - Timeline: <http://www.pbs.org/wgbh/pages/frontline/warning/cron/>
 - Extended interviews <http://www.pbs.org/wgbh/pages/frontline/warning/interviews/>

Demand for automobiles; patterns and consequences for oil demand to 2030

- Gatley, Dermitt et al, Automotive Demand Projections to 2030 (Link from Hudson talk)
- Seabrook, John, “The Slow Lane, Can anyone solve the problem of traffic?” *The New Yorker*, Issue of 2002-09-02, Posted 2002-08-26. http://www.newyorker.com/fact/content/?020902fa_fact
- [Optional] Physical Review Letters, Dutch articles in PRL on congestion
- Automotive growth double s-curve. History of tech. revolutions (**online Link from NWAEG talk**)

7. 9 Mar 2011 Oil Rents, Theories of *Rentier* States, Dutch Disease and Resource Curse

- Read
 - On the *Rentier* State, *Resource Curse*, *Oil & Democracy*, etc.
 - Mahdavy, H. 1970 “The Patterns and Problems of Economic Development in *Rentier* States: the Case of Iran,” in *Studies in the Economic History of the Middle East: from the rise of Islam to the present day*, M. A. Cook [ed]. London: Oxford University Press. <http://www.umich.edu/~twod/oil-s2010/rents/Mahdavy.pdf>
 - Michael Ross 2001. “Does Oil Hinder Democracy” *World Politics* 53 (Apr 2001). Available online: <http://www.sscnet.ucla.edu/polisci/faculty/ross/doesoil.pdf>

- Benjamin Smith 2004. "Oil Wealth and Regime Survival in the Developing World," 1960-1999, American Journal of Political Science. http://www.umich.edu/~twod/oil-s2010/rents/Smith_OilRegimes.pdf
- Timothy Mitchell 2009. "Carbon Democracy," Economy and Society, vol. 38, issue 3. Theories of Petroleum Rents <http://www.umich.edu/~twod/oil-s2010/rents/CarbonDemocracyMitchell.pdf>
- Stephen Haber and Victor Menaldo, "Do Natural Resources Fuel Authoritarianism? A Reappraisal of the Resource Curse," American Political Science Review, February 2011, 26 pp. [doi:10.1017/S0003055410000584] <https://iriss.stanford.edu/sites/all/files/sshp/docs/Haber%20and%20Menaldo%20APSR%202011.pdf>

On Dutch Disease

- (references from my article on politics of Venezuela, references sent to Grisanti/AVHI, Caracas)
- The Paradox of Plenty: Oil Booms and Petro-States. Berkeley: University of California Press, 1997: 342 pages

X. 16 Mar 2011 - Spring Break

PART 3: GEOPOLITICS OF ENEGY

8. 23 Mar 2011 - History: Petroleum in international affairs during and after WW II

- Reference resource
 - Outline of Yergin's The Prize. Long and often chatty; but it is "the" history of oil. http://www.umich.edu/~twod/oil-ns/articles/yergin_prize_outline.html
- Read
 - Yergin, Chapter 18: "Japan's Achilles' Heel," pp. 351-367.
 - Japanese (and German) oil problems in WWII, the key military and geo-strategic role of oil
 - Yergin, Chapter 23: "'Old Mossy' and the struggle for Iran" pp. 450-478
 - Mossadegh, the nationalization of Iranian oil and the U.S. & British coup, early 1950's
 - [Optional] Hiro, Dilip, The Iranian Labyrinth Chapter 7, Oil: Life Blood of Modern Iran, pp. 183-208
 - Link will be posted or xerox provided

9. 30 Mar 2011

- Read
 - Yergin, Chapter 24: The Suez Crisis, pp. 479-498
 - The Suez Crisis, and 1950's continued: U.S. displaces British-French attempt to regain MENA dominance; Israel sides with Britain and France; Iran in 1950s
 - [Optional] Yergin, Chapter 25, The Elephants, pp. 499-518
 - Yergin, Chapter 26, OPEC and the Surge Pot, pp. 519-540
 - Formation of OPEC; late-50's and early 60's
 - [Optional] Yergin, Chapter 27: Hydrocarbon Man, pp. 541-560
 - Post-War oil age; oil and transportation lobby. Conservation.

10. 6 Apr 2011 - History: The Oil Weapon; Countries vs. Companies

- Read
 - Yergin, Chapter 28: The Hinge Years: Countries versus Companies, pp. 561-568
 - Yergin, Chapter 29: The Oil ', pp. 588-612
 - First Energy Crisis
 - Yergin, Chapter 30: Bidding for Our Life, pp. 613-63

11. 13 Apr 2011 -

- Read:
 - O'Donnell, Thomas, 2006 (editing 2011), "The political-economy of the globalized oil order: How "objective conditions" drove the OECD and OPEC from confrontation to collusion," [ijmes_oil_13aug06cc-11apr11.pdf](http://www.ijmes.org/ijmes_oil_13aug06cc-11apr11.pdf) Draft article – do not circulate w/o author's permission.
 - [optional] Yergin, Chapter 31: OPEC's Imperium, pp. 633-652

12. 20 Apr 2011 –

- Read
 - Yergin, Chapter 32: The Adjustment, pp. 653-673
 - Iranian Revolution; Carter Doctrine; Rapid Deployment forces
 - Yergin, Chapter 33: The Second Shock: The Great Panic, pp. 674-698

13. 27 Apr 2011 –

- Read Yergin Chapter 34: We're Going Down, pp. 699-714
 - Iranian Revolution, Iran-Iraq War, Reagan and U.S. strategy, spot market
- Yergin, Chapter 35: Just Another Commodity? pp. 714-744
 - End of 2nd shock ~1986; boom; OPEC as true cartel 1985: secure supply, price not high
- Yergin, Chapter 28: The Hinge Years: Countries versus Companies, pp. 561-568
- Yergin, Chapter 29: The Oil Weapon, pp. 588-612
 - First Energy Crisis

- o Yergin, Chapter 30: Bidding for Our Life, pp. 613-63

14. 4 May 2011 –

- Read:
 - a. Yergin, Chapter 31: OPEC's Imperium, pp. 633-652
 - b. Yergin, Chapter 32: The Adjustment, pp. 653-673
 - i. Iranian Revolution; Carter Doctrine; Rapid Deployment forces
 - c. Yergin, Chapter 33: The Second Shock: The Great Panic, pp. 674-698

15. 11 May 2011 – EXTRA CLASS IF MAKEUP REQUIRED

16. FURTHER TOPICS FOR LONGER SEMESTERS OR TWICE WEEKLY COURSES:

- Read
 - o Yergin Chapter 34: We're Going Down, pp. 699-714
 - Iranian Revolution, Iran-Iraq War, Reagan and U.S. strategy, spot market
 - o Yergin, Chapter 35: Just Another Commodity? pp. 714-744
 - End of 2nd shock ~1986; boom; OPEC as true cartel 1985:secure supply, price not high
- Read
 - o Yergin, Chapter 36: The Good Sweating: How low Can it Go? p. 745-768
 - o Yergin, Epilog: pp. 769-788.42
 - 1991 Gulf War; structure of new globalized oil order vs. late-colonial order {6, 5, 4 }
 - o Mommer, Bernard, System of governance (**post link**)
 - o Hertzmark, D.A. & Jaffe, A.M., "Iraqi National Oil Company Case Study" IAEE Newsletter, 4th Quarter 2005, pp. 5 – 12. http://www.umich.edu/~twod/oil-ns/articles/iraq/05fall_iaee_newsletter_iraq_oil_jaffe.pdf
- US-Iran "nuclear crisis" and the One Global Barrel oil system
- Arctic Petroleum and Geopolitics (courtesy Erica Dingman, New School, GPIA)
 - o Borgerson, Scott G. "Arctic Meltdown." Foreign Affairs 87, no. 2 (2008): 63-77 (Available through The New School online library)
 - o Kefferputz, Roderick. "On Thin Ice? (Mis)interpreting Russian Policy in the High North." Centre for European Policy Studies (2010) <http://www.ceps.be/book/thin-ice-misinterpreting-russian-policy-high-north>
 - o Young, Oren. "The Pace of Change. Arctic State Changes: Implications for Governance," 2030 North, National Planning Conference, Session Paper no. 2. (Presented June 2009, Ottawa, Ontario, Canada) <http://www.2030north.carc.org/documents.php>

Module III: Globalized "Oil Order," or "System of Governance" of oil – 6 sessions

- Transition from late-colonial to nationalized to globalized oil order; views of Bernard Mommer
- Cartels, monopolies, trusts and such – classical vs. neo-classical theories; economic history
- National vs. international oil companies; the "new nationalism" vs. FDI and privatization

Regions

-Middle East and North Africa
 -History of conflicts, emergence of new global system, Yergin
 -Iraq wars
 -Iran nuclear conflict
 -Saudi Arabia and GCC
 -Latin America
 -Venezuela, Petro-Caribe
 -Mexico
 -Brazil
 -Bolivia, Colombia and Ecuador
 -China
 -Belt, in South China Sea, Latin America, Middle East and Africa, South China Sea
 -Russia
 -It's East, West and South energy relations
 -The Arctic
 -China and Russia nuclear buildup
 -Carbon, rare earths and other markets (CSIS)
 -Oil and gas contracts, types of contracts and ownership, rents and rentismo, Dutch Disease, inflation.

READINGS:

- History: Japanese (and German) oil problems in WWII, the key military and geo-strategic role of oil
 - History: The Suez Crisis; Iran in the 1950's