

University Alliance for Sustainability
Saint Petersburg Report

By Theocharis N. Grigoriadis

During my teaching and research stay at Saint Petersburg State University and its faculty of Economics, I profited from continuous and fruitful interactions with Dr. Konstantin Leshcheko, director of International Cooperation Programs in the faculty of Economics, Prof. Dr. Nikita Lomagin, senior faculty member in the Chair of World Economy, and Dr. Alexandra Malova, junior faculty member in the Chair of Economic Cybernetics. I taught the block course Energy Economics & Policy to Master's students of the faculty of Economics that specialized in International Trade, Applied Macroeconomics, Mathematical Economics and Business of Russia and CIS. The outline of the course "Energy Economics & Policy" that I taught has been the following:

Required Textbooks:

Tietenberg Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, Pearson Education Inc., Boston et al., 9th Edition, 2012.

Viscusi Kip, John Vernon, and Joseph Harrington. *Economics of Regulation and Antitrust*, Cambridge, MA: MIT Press, 2000.

Introduction to the Economic Analysis of Natural Resources

- Tietenberg and Lewis, Ch. 2.

Pricing of Exhaustible Resources I

- Tietenberg and Lewis, Ch. 5 and 6.

Pricing of Exhaustible Resources II

- Tietenberg and Lewis, Ch. 7.
- Nordhaus William, "The Allocation of Energy Resources," Brookings Papers, No. 3 (1973): 529-570. <http://cowles.econ.yale.edu/P/cp/p04a/p0401.pdf>

Natural Monopolies

- Viscusi Kip, John Vernon, and Joseph Harrington. *Economics of Regulation and Antitrust*, Cambridge, MA: MIT Press, 2000: Chapters 11 and 12.

Regulation and Transition of Energy Markets

- Viscusi Kip, John Vernon, and Joseph Harrington. *Economics of Regulation and Antitrust*, Cambridge, MA: MIT Press, 2000: Chapter 18.
- Joskow Paul, "Electricity sectors in transition," *Energy Journal*, 19(2), 1998.

Externalities of Conventional Fuels

- Tietenberg and Lewis, Ch. 3 and 4.

Nuclear Power

- Deutch and Lester, *Making Technology Work*, "Ch. 7: Nuclear Power and Its Fuel Cycle", Cambridge University Press, Cambridge, UK: 109-133, 2004.
- Hultman, N., Koomey, J. G, and Kammen, D. M. (2007) "What history can tell us about the costs of future nuclear power", *Environmental Science & Technology*, 41(7): 2088-2093.
- Lake, J. A., Bennett, R. and Kotek, J. F. (2002) "Next Generation Nuclear Power", *Scientific American*, Issue 1, 73–81.

Pollution Control I

- Tietenberg and Lewis, Ch. 14.

Pollution Control II

- Tietenberg and Lewis, Ch. 15.

The students showed a unique interest on questions of sustainability, industrial organization and economic development. They were very interested in the study opportunities of FU Berlin with respect to the economic dimensions of sustainable development and the Berlin-Brandenburg area at-large. Moreover, there have been fascinating discussions in class on the role of Russia in climate change and the ways through which energy transitions in Germany, Denmark and other EU economies can facilitate similar developments in Russian regions.

Beyond the teaching of the class, I have been in touch with the Lab for Environmental Economics and the Earth Institute of Saint Petersburg State University. Prof. Nadezhda Pakhomova, Deputy Director of the Lab for Environmental Economics, stated her willingness to further advance cooperation with the Osteuropa-Institut of the Free University of Berlin and other interested parts in the School of Business & Economics. We agreed to draft a research project proposal on green growth and the quality of public goods in the Russian regions, where also the Lab on Economic Growth of the SPbU faculty of Economics could participate. Overall, during my visit I have been convinced that there is a continued interest of the Saint Petersburg side for an increased teaching and research cooperation in the field of sustainable development and energy policy with reference to Russia and the European Union.