

# **Agricultural Policy Analysis**

Department of Agricultural Economics

National Taiwan University

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Instructors Kuo-Ching Lin  
Rm 209 Agricultural Building  
Tel: 02-3366-2652  
Email: linkc@ntu.edu.tw

Class Thursday 14:20-17:20

## **Course Contents**

The course introduces agricultural policies to the interested graduate students. It is intended for students who have studied microeconomic theory at least at the first year graduate school level. Students who have finished an advanced course in production economics are equally welcome. The objective of this course is to help students know about agricultural policies and comprehend their economic outcomes. The course will seek the right balance among description of program details, modeling program effects, and reviewing relevant policy researches.

## **References**

Burfisher, M. E., 2003, Agricultural Policy Reform in the WTO, New York: Nova Science.

COA, 2008, Chen Wu-hsiung Has a Vision of Toxin-free Taiwan.  
[http://eng.coa.gov.tw/content\\_print.php?catid=18356](http://eng.coa.gov.tw/content_print.php?catid=18356)

COA, 2008, COA Promotes Small Landlords and Big Tenant-Farmers Project: To Improve the Farm Land Use as well as Adjust Production Structure the Agricultural Production. [http://eng.coa.gov.tw/content\\_print.php?catid=18470](http://eng.coa.gov.tw/content_print.php?catid=18470)

COA, 2008, Guidelines of Agricultural Policies: Establish a Healthy, Efficient and Sustainable Agriculture for All the Citizens. [http://eng.coa.gov.tw/content\\_view.php?catid=17999&hot\\_new=8799](http://eng.coa.gov.tw/content_view.php?catid=17999&hot_new=8799)

Cornia, G. C. and J. Riddell, 2008, Toward a Vision of Land in 2015, Lincoln Institute of Land Policy, Cambridge, Massachusetts.

Fischel, W. A., 1987, The Economics of Zoning Laws, A Property Rights Approach to American Land Use Controls, John Hopkins University Press.

Friedman, L. S., 1986, Microeconomic Policy Analysis, New York: McGraw-Hill, Inc.

Grant, W. P. and J. T. S. Keeler, 2000, Agricultural Policy, US: Edward Elgar Publishing.

Greer, A., 2005. Agricultural Policy in Europe, New York: Manchester University Press.

- Helmberger, Peter G., 1992. *Economic Analysis of Farm Programs*, New York: McGraw-Hill, Inc.
- Knutson, R. D., J.B Penn, B. L. Flinchbaugh, J. L. Outlaw, 2007. *Agricultural and Food Policy*, 6th ed, Upper Saddle River, N.J.
- Koppel, B., and D. Y. Kim, 1993. *Land policy Problems in East Asia-toward New Choices*, East West Center and Korea Research Institute for Human Settlements.
- Lynggaard, K., 2006. *The Common Agricultural Policy and Organic Farming*, Wallingford, UK; Cambridge, MA.
- McCalla, A. F., G. Anania, M. E. Bohman, and C. A. Carter, 2004. *Agricultural Policy Reform and the WTO: Where are We Heading?* MA: Edward Elgar Publishing.
- Mulgan, A. G., 2006. *Japan's Agricultural Policy Regime*, New York: Routledge.
- OECD, 2005, *Agriculture and Development: The Case for Policy Coherence*, Paris: OECD.
- OECD, 2006. *Agricultural Policy and Trade Reform: The Impact on World Commodity Markets*, Paris: OECD.
- OECD, 2007. *Agricultural Policies in Non-OECD Countries Monitoring and Evaluation 2007*, Paris: OECD.
- OECD, 2008. *Agricultural Policies in OECD Countries 2008: At a Glance*, Paris: OECD.
- OECD, 2009. *Agricultural Policies in OECD Countries 2009: Monitoring and Evaluation*, Paris: OECD.
- Peter G. and J. P. Chavas, 1996. *The Economics of Agricultural Prices*, Prentice Hall, Inc.
- Schmitz, A., H. Furtan, and K. Baylis, 2002. *Agricultural Policy, Agribusiness, and Rent-seeking Behavior*, Toronto: University of Toronto Press.
- Tietenberg, Tom, 2005. *Environmental and Natural Resource Economics*, Addison Wesley Longman, Reading, Massachusetts.
- Tweeten, L. and S. R. Thompson, 2002. *Agricultural Policy for the Twenty-first Century*, Iowa: Iowa State University Press.
- Reading List:
- Appels, D. C., 2001. "Forest Rotation Lengths under Carbon Sequestration Payments," Paper Presented at the Conference of Economists. University of Western Australia, Perth, September 24.
- Böhringer, C., 2003. "The Kyoto Protocol: A Review and Perspectives," *Oxford Review of Economic Policy*, 19(3): 451-466.
- Boon, T. E. and H. Meilby, 2007. "Describing Management Attitudes to Guide Forest Policy Implementation," *Small-scale Forestry*, 6(1): 79-92.

Bromley, Daniel, W., 2009, Formalizing Property Relations in the Developing World: The Wrong Prescription for the Wrong Malady, *Land Use Policy*, 26(1): 20-27.

Chapter 10 Analysis of Farm Programs: Part II, Helmberger, Peter G.J. P. Chavas, 1996, *The Economics of Agricultural Prices*, Prentice Hall, Inc. pp.291-305.

Chapter 4 Direct Payment and Price Support programs without Production Controls. Helmberger, Peter G., 1992, *Economic Analysis of Farm Programs*, McGraw-Hill, Inc. pp.79-100.

Chapter 5 Agricultural Policies from the late 1990s, Mulgan, A. G., 2006, *Japan's Agricultural Policy Regime*, Routledge. pp.104-183.

Chapter 7 Price Support programs and Production Controls. Helmberger, Peter G., 1992, *Economic Analysis of Farm Programs*, McGraw-Hill, Inc. pp.169-190.

Chapter 7 The Formation of Policy Field:Organic Farming within the CAP (1993-2005), Lynggaard, K., 2006, *The Common Agricultural Policy and Organic Farming*, Wallingford, UK; Cambridge, MA. pp.144-181.

Chapter 7 US Farm Policies, Knutson, R. D., J.B Penn, B. L. Flinchbaugh, J. L. Outlaw, 2007, *Agricultural and Food Policy*, 6th ed, Upper Saddle River, N.J. pp.86-112.

Chapter 8 Farm programs that Idle Land. Helmberger, Peter G., 1992, *Economic Analysis of Farm Programs*, McGraw-Hill, Inc. pp.191-236.

Chapter 9 Analysis of Farm Programs: Part I, Helmberger, Peter G.J. P. Chavas, 1996, *The Economics of Agricultural Prices*, Prentice Hall, Inc. pp.259-267.

Chen, Yu-Hui, and Wu-Chung Lee, 2005. Future Agricultural Policy Reform for Taiwan: A Domestic Support Approach, Dr. Sam Chung Hsieh Memorial Conference, Chung-Hua Institution for Economics Research.

Gluck, P., 2000. "Policy Means for Ensuring the Full Value of Forests to Society," *Land Use Policy*, 17:177-185.

Ho, P., and M. Spoor, 2006. Whose Land? The Political Economy of Land Titling in Transitional Economies, *Land Use Policy*, 23(4): 580-587.

Huang, C. H. and G. D. Kronrad, 2001. "The Cost of Sequestering Carbon on Private Forest Lands," *Forest Policy and Economics*, 2(2): 133-142.

Kischbaum, M. U. F., 2000. "What Contribution can Tree Plantations Make Towards Meeting Australia's Commitments under the Kyoto Protocol?" *Environmental Science Policy*, 3: 83-90.

Koppel, B., 1993. Land Policy Problems in East Asia: Understanding the Past and Moving Toward New Choices, in *Land Policy Problems in East Asia-toward New Choices*, edited by Bruce Koppel and D. Young Kim, East West Center and Korea Research Institute for Human Settlements.

Lecocq, F. and K. Chomitz, 2001. "Optimal Use of Carbon Sequestration in a Global Climate Strategy: Is there a Wooden Bridge to a Clean Energy Future?" World Bank

Policy Research Working Paper 2635 pp.27. Washington D.C.: World Bank Development Research Group.

Lee, Dong-Bai, 1993. Agricultural Land Reform in Korea: A Retrospective and Perspective Review, in Land policy Problems in East Asia-toward New Choices, edited by Bruce Koppel and D. Young Kim, East West Center and Korea Research Institute for Human Settlements.

Lewandrowski, J., H. McDowell, R. R. House, and M. Peters, 2000. "Mitigation Greenhouse Gas Emission: Implications of the Kyoto Protocol for U.S. Agriculture and U.S. Agricultural Policy," World Resource Review, 12: 126-48.

Lin, Kuo-Chin, and Yu-Hui Chen, 2006. The Future Challenges of Agricultural Policy Reform in Taiwan. Designing Agricultural Policy in New Food Importers: Market Access and Direct Payments. The Association for regional Agricultural and Forestry Economics, Osaka, Japan.

Lin, Kuo-Ching, 1993. Policy Options for Agricultural Land Use in Taiwan, Reflections on Land Reform in Japan, in Land Policy Problems in East Asia-toward New Choices, edited by Bruce Koppel and D. Young Kim, East West Center and Korea Research Institute for Human Settlements.

Lin, Kuo-Ching, 2008. Future Challenges of Sustainable Land Use in Taiwan, in Toward a Vision of Land in 2015, edited by Cornia, Gary C. and Jim Riddell, Lincoln Institute of Land Policy, Cambridge, Massachusetts.

Mortimer, M.J., A.V. Scardina, and D.H. Jenkins, 2004. "Policy Analysis and National Forest Appeal Reform," Journal of Forestry, 102(2): 26-32.

Murray B. C., 2000. "Carbon Values, Reforestation, and Perverse Incentives under the Kyoto Protocol: An Empirical Analysis," Mitigation and Adaptation Strategies for Global Change, 5(3): 271-295.

Murray, B. C., 2003. "Economics of Forest Carbon Sequestration," Forests in a Market Economy. Kluwer Academic Publishers, pp.221-238.

Nishida, Y., 1993. Reflections on Land Reform in Japan, in Land policy Problems in East Asia-toward New Choices, edited by Bruce Koppel and D. Young Kim, East West Center and Korea Research Institute for Human Settlements.

O'Laughlin J., 2004. "Policy Analysis Framework for Sustainable Forestry: National Forest Case Study," Journal of Forestry, 102(2): 34-41.

Plantinga, A. J., T. Mauldin, and D. J. Miller, 1999. "An Econometric Analysis of the Costs of Sequestering Carbon in Forests," American Journal of Agricultural Economics, 81(4): 812-824.

Rabe, B. G., 2007. "Beyond Kyoto: Climate Change Policy in Multilevel Governance Systems," Governance, 20(3): 423-444.

Ravindranath, N. and B. Somashekhar, 1995. "Potential and Economics of Forestry Options for Carbon Sequestration in India," Biomass Bioenergy, 8(5): 323-336.

Riddell, J., 2008. Toward a 2015 Vision of Land, in Toward a Vision of Land in 2015,

edited by Cornia, Gary C. and Jim Riddell, Lincoln Institute of Land Policy, Cambridge, Massachusetts.

Rotter, J. and K. Danish, 2000. "Forest Carbon and the Kyoto Protocol's Clean Development Mechanism," *Journal of Forestry*, 98(5): 38-47.

Ruddell, S., R. Sampson, M. Smith, R. Giffen, J. Cathcart, J. Hagan, D. Sosland, J. Godbee, J. Heissenbuttel, S. Lovett, J. Helms, W. Price, and R. Simpson, 2007. "The role for sustainably managed forests in climate change mitigation," *Journal of Forestry*, 105(6): 314-319.

Sjaastad, E. and B. Cousins, 2009. Formalization of Land Rights in the South: An Overview, *Land Use Policy*, 26(1): 1-9.

Smith, P., 2004. "Carbon Sequestration in Croplands: the Potential in Europe and the Global Context," *European Journal of Agronomy*, 20(3): 229-236

Sohngen, B. and R. Mendelsohn. 2003. "An Optimal Control Model of Forest Carbon Sequestration," *American Journal of Agricultural Economics*, 85(2): 448-457.

Stavins, R. N. and K. R. Richards, 2005. *The Cost of U.S. Forest-Based Carbon Sequestration*, Pew Center on Global Climate Change, Arlington, VA.

Yang, Min-Hsien and Yu-Hui Chen, 2000. *The Political Economic Analysis of Taiwanese Rice Import policy*, in *Food Security in Asia: Economics and Policies*, edited by Wen S. Chern, Colin A. Carter, and Shun-Yi Shei, Edward Elgar Publishing Limited.

Yen, Ai-Ching, 1993. *The Effects of Land Reform on Changes in the Structure of Agriculture in Taiwan in the 1950s, Reflections on Land Reform in Japan*, in *Land policy Problems in East Asia-toward New Choices*, edited by Bruce Koppel and D. Young Kim, East West Center and Korea Research Institute for Human Settlements.

## Course Policy

Grading: 40% midterm exam  
40% final exam  
20% term paper

## Schedule

02/24	Introduction
03/03	An Overview of Taiwan's Agriculture and Agricultural Development
03/10	Taiwan's Agricultural Policy
03/17	Agricultural Policy in OECD
03/24	Microeconomic Policy Analysis
03/31	WTO New Round Agricultural Negotiations
04/07	Food Security and Food Policy(I)
04/14	Field Trip
04/21	Midterm Exam

04/28	Food Security and Food Policy(II)
05/05	Agricultural Land Reform
05/12	Agricultural Land Policy Analysis and Policy Options
05/19	Property Right and Institutional Reform
05/26	Forest Policy Analysis
06/02	Carbon Sequestration and Kyoto Protocol
06/09	Paper Presentations(I)
06/16	Paper Presentations(II)
06/23	Final Exam