

國立臺灣大學國家發展研究所 103 學年度第 2 學期課程綱要

課程資訊					
課程名稱	(中) 氣候變遷與永續發展 (英) Climate change and sustainable development				
課程編號	D（大學部與研究所）	班次		學分數	2
全/半年	半			必/選修	必選
授課教師	周桂田			開課系所	國家發展研究所
上課時間	星期四 78 節			修課人數	15
上課地點	國發 210			課程加選方式	1
課程網頁					
課程大綱					
課程目標	本課程將同時著重理論與全球永續發展的實質國際公約、進程批判，加以深入討論。這門課藉研究所同學小型的分組經驗研究，讓學生發掘、體會理論與生活經驗的銜接點，進而激發與建構其環境永續的想像。修課學生除研讀指定文獻外，透過小型分組的實際討論與報告，來簡證或深化相關概念。				
課程概述	全球生態與環境變遷，已成為當今人類面對的急迫問題，本課程將設計從對工業現代社會的批判與轉型，思考與討論全球永續發展(global sustainable development)的論述、政治與實踐之現實意義。 生態現代化與永續發展的論述，雖喊的震天嘎響，但從其形成成為全球共識到全球各國實際執行過程，皆有相對的全球政治或社會結構問題，因此，本課程除一方面介紹全球永續發展議題的實質內涵，另一方面重要的是將從環境問題的全球化擴張，討論其實踐的政治經濟問題，包括全球經濟、科技競爭的發展，是否僅僅將永續發展當為另類遊戲(alternative global game)的口號。				
關鍵字	全球化風險、氣候變遷、風險治理、風險溝通、風險評估、永續發展				
課程要求	每一組每週針對兩篇文章（巨觀與政策）進行（一）詳細的大綱，（二）簡要的報告（報告時間三十分鐘），（三）每週星期六 am10:00交到課程網站。 每位修課同學每週就政策面(energy law and environment)進行與台灣的相關制度、問題、資料比較，（一）該章內容reflection，（二）國際與台灣reflection，（三）每週星期一pm9:30傳到上課網站。				
Office	星期三下午三點				

Hours	
参考書目	Weale, Albert 1998 The Politics of Ecological Modernization, in: Dryzek, John S. & Schlosberg, David (ed.) <i>Debating the Earth – the environmental Politics Reader</i>, p. 301-318. Patricia D. Park 2002 The relationship between energy, the environmental imperatives and scientific drivers, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.1-9 Hajer, Maarten A. 1995 Ecological Modernization: Discoiurse and Institutional Change, in: <i>The Politics of Environmental Discourse – Ecological Modernization and the Policy Process</i>, p. 265-294. Patricia D. Park 2002 Regulation, energy resources and the environment, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.10-32 Dryzek, John S. 1997 Industrial Society and Beyond: Ecological Modernization, in: <i>The Politics of the Earth – Environmental Discourses</i>, Oxford University Press, p.137-152. Patricia D. Park 2002 The regulatory bodies, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.33-48 Lafferty, William M. 1998 The Politics of Sustainable Development: global norms for national implementation, in: Dryzek, John S. & Schlosberg, David (ed.) <i>Debating the Earth – the environmental Politics Reader</i>, p. 265-284. Patricia D. Park 2002 The international dimension, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.49-66 Sage, Colin 1994 Population, Consumption and Sustainable Development, in: Redclift & Colin (ed.) <i>Strategies for Sustainable Development</i>, John Wiley & Sons, 35-60. Patricia D. Park 2002 European energy law and policy, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.67-89 Shove, Elizabeth 1994 Sustaining Developments in Environmental Sociology, in: Redclift, Michal & Benton, Ted (ed.) <i>Social Theory and the Global Environment</i>, p.256-266. Yearley, Steven 1996 Environmental Issues and the Compression of the Globe, in: <i>Sociology, Environment, Globalization – Reinventing the Globe</i>, Sage, p. 26-61. Patricia D. Park 2002 Trade, competition and the environment, in <i>Energy Law and the Environment</i>. London: Taylor & Francis, p.90-99 Yearley, Steven 1996 How do the World's Environmental Problems come to be "Global"?, in: <i>Sociology, Environment, Globalization – Reinventing the</i>

Globe, Sage, p. 62-99.

Patricia D. Park 2002 The regulation of the coal industry, in *Energy Law and the Environment*. London: Taylor & Francis, p.100-115

Redclift, Michale 1994 Global resource problems, in: *Development and the Environmental Crisis – Red or Green Alternatives?*, p. 20-38.

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楊致行 2000 〈台灣科技島之環境因應〉，歐陽喬暉，2000 年民間環保政策白皮書，頁 97-122。

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評量方式	No.	項目	百分比(%)	說明
	1	期中報告	30	
	2	期末報告	50	
	3	課堂討論	20	
週次	單元主題			
第 1 週	課程簡介			
第 2 週	台灣氣候變遷與產業結構轉型困境 徐光蓉 2010 虛幻的石化王國－探討國光石化的必要性與其環境影響評估，台灣環境保護聯盟。 周桂田等 2010 學界反對國光石化在彰化設廠分析報告。 王振寰 1995 國家機器與台灣石化業的發展，台灣社會研究季刊，第十八期，pp.1-37。			
第 3 週	台灣氣候變遷與產業結構轉型困境 夏鑄九、徐進鈺 1997 台灣的石化工業與地域性比較研究，台灣社會研究季刊，第二十六期，pp.129-166。 瞿宛文 2001 全球化與自由化之後的台灣石化業，台灣社會研究季刊，第四十四期，pp.13-47。			
第 4 週	台灣氣候變遷與產業結構轉型困境 瞿宛文 2011 民主化與經濟發展：台灣發展型國家的不成功轉型，台灣社會研究季刊，第八十四期，pp.243-288。 Chou, Kuei Tien & Hwa Meei Liou (2012) Analysis on Energy Intensive Industries under Taiwan's Climate Change Policy, Renewable and Sustainable Energy Reviews 16 (2012)2631-2642. 周桂田、謝子蓉 (2012) 從高耗能高污染產業的轉型看台灣的永續發展與風			

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第 5 週	氣候變遷與風險社會 Bulkeley, H. (2001). Governing climate change: the politics of risk society. <i>Transactions of the Institute of British Geographers</i>, Volume 26, Issue 4, pages 430–447, December 2001, Royal Geographical Society, p.430-447. Chou, Kuei-tien. 2007. ‘Global climate change as globalizational risk society – glocalizational risk governance’. <i>Global Change and Sustainable Development</i>, 1(1), pp. 81-89. (January 2007)
第 6 週	Sarkar, S. (2012). "Between egalitarianism and domination: Governing differences in a transitional society." <i>Third World Quarterly</i> 33(4): 669-684.
第 7 週	社會轉型或修正 Stirling, Andy. (2006). Precaution, Foresight and Sustainability: Reflection and Reflexivity in the Governance of Science and Technology. In J.-P. Voss, Bauknecht, Dierk, & Kemp, René (Ed.), <i>Reflexive Governance for Sustainable Development</i>: Edward Elgar. Christopher R. Henke. (2007) “Situation Normal? Repairing a risky ecology”, <i>Social Studies of Science</i> 2007; 37(1): p.135-142.
第 8 週	期中考
第 9 週	氣候正義 Beck, Ulrich. (2006). Reflexive Governance: Politics in the Global Risk Society. In J.-P. Voss, Bauknecht, Dierk, & Kemp, René (Ed.), <i>Reflexive Governance for Sustainable Development</i>: Edward Elgar. Roberts, J. Timmons and Parks, Bradley C.(2010).Ecologically Unequal Exchange, Ecological Debt, and Climate Justice. The History and Implications of Three Related Ideas for a New Social Movement. <i>International Journal of Comparative Sociology</i>50(3–4),pp385-409.Sage, London.
第 10 週	台灣氣候變遷公民參與經驗案例分析(分兩大組)
第 11 週	Mode II society 與社會強健性 Nowotny, H., Scott, P. & Gibbons, M. 2001 “ The Co-evolution of Society and Science.” <i>Re-Thinking Science: Knowledge and the public in an age of uncertainty</i>, 30-49, 166-178. Cambridge: Polity Press.
第 12 週	Mode II society 與社會強健性 Nowotny, H., Scott, P. & Gibbons, M. 2001 “ The Co-evolution of Society and Science.” <i>Re-Thinking Science: Knowledge and the public in an age of uncertainty</i>, 245-262. Cambridge: Polity Press.

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第 13 週	公民認識論 Jasanoff, Sheila. 2005 <i>Design on Nature: Science and Democracy in Europe and the United States</i> , Princeton University Press, 247-271.
第 14 週	反身性治理 Grin, John 2005 “ Reflexive modernization as a governance issue or designing and shaping re-structuration. Reflexive governance for sustainable development.” In J.-P. Voss, Bauknecht, Dierk, & Kemp, René (Ed.), <i>Reflexive Governance for Sustainable Development</i> : Edward Elgar. Hendriks, C. M. & Grin, J. 2007 “ Contextualizing Reflexive Governance: the Politics of Dutch Transitions to Sustainability. ” <i>Journal of Environmental Policy & Planning</i> , 9(3), 333-350. Routledge, USA.
第 15 週	反身性治理創新 Rip, Arie 2010 “ Social Robustness and the mode 2 diagnosis.” <i>Science, technology & innovation studies</i> , 1(6). Technische Universität Dortmund Wirtschafts- und Sozialwissenschaftliche Fakultät, Dortmund. 周桂田 (2013) 全球化風險挑戰下發展型國家之治理創新 — 以台灣公民知識監督決策為分析，政治與社會評論，2013 年三月號。
第 16 週	反身性治理創新 Zeijl-Rozema, Annemarie van, Cörvers, Ron, Kemp, René, & Martens, Pim. (2008). Governance for Sustainable Development: A Framework. <i>Sustainable Development</i> , 16, 410–421. Chappin, Emile J.L. (2014). Transition and transformation: A bibliometric analysis of two scientific networks researching socio-technical change. <i>Renewable and Sustainable Energy Reviews</i> , 30, 715-723.
第 17 週	學期報告討論

參考閱讀

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