Department of Economics
Environmental Studies Program
University of Colorado at Boulder

Jonathan Hughes
jonathan.e.hughes@colorado.edu
Office: Economics 4B

:

Reading/class participation	15%
Referee reports	15%
Midterm exam	20%
Final exam	20%
Research paper/proposal	30%

Please come to class each day ready to discuss the assigned reading. Please prepare a ! page summary of each paper that discusses: the main research question; data used in the analysis; the empirical approach, structural versus reduced form, identification of the parameter(s) of interest, etcetera; and any major assumptions or limitations of the study. I will randomly select several of these summaries during the semester to evaluate as part of your class participation grade.

Each student is required to submit two original referee reports on unpublished empirical papers in environmental economics. I will select each paper from the NBER EEE or similar working paper series. The report should not exceed 4 pages. Each report should (briefly) summarize the main contribution of the paper, strengths and weaknesses and areas for improveme

Denote required readings

* Angrist and Jorn-Steffen Pischke (2010), "The Credibility Revolution in Empirical Economics: How Better Research Design is Taking the Con out of Econometrics." *Journal of Economic Perspectives*, Spring 2010 Angrist and Krueger, "Empirical Strategies in Labor Economics"
* Nevo and Whinston (2010), "Taking the Dogma Out of Econometrics: Structural Modeling and Credible Inference," *Journal of Economic Perspectives*, Spring 2010 Reiss and Wolak, "Structural Econometric Modeling: Rationales and Examples from IO"

* Greenstone (2002), “The Impacts of Environmental Regulations on Industrial Activity: Evidence from the 1970 and 1977 Clean Air Act Amendments and the Census of Manufactures.” *Journal of Political Economy* 110: 1175-1219.

Bushnell, Chong and Mansur, “Profiting from Regulation: An Event Study of the EU Carbon Market” http://www.dartmouth.edu/~mansur/papers/bushnell_chong_mansur_carboncost.pdf

* Fowlie (2010), “Emissions Trading, Electricity Restructuring, and Investment in Pollution Abatement.” *American Economic Review*, June 2010, 837-869.

* Fowlie and Perloff, “Distributing Pollution Rights in Cap-and-Trade Programs: Are Outcomes Independent of Allocation?” http://nature.berkeley.edu/~fowlie/distributingp.64 cm BT 50 0 0 50 0

* Jacobsen, “Evaluating U.S. Fuel Economy Standards In a Model with Producer and Household Heterogeneity.” http://econ.ucsd.edu/~m3jacobs/Jacobsen_CAFE.pdf

Bento, Goulder, Jacobsen and von Haefen (2009) “Distributional and Efficiency Impacts of Increased U.S. Gasoline Taxes,” *American Economic Review*, Vol. 99, No. 3, 2009.

Goulder, Jacobsen and van Benthan, “Unintended Consequences from Nested State & Federal Regulations: The Case of the Pavley Greenhouse-Gas-per-

* Cutter and Neidell (2009), “Voluntary information programs and environmental regulation: Evidence from ‘Spare the Air’.” *Journal of Environmental Economics and Management*, 53(3): 253-256.

Reiss and White (2008), “What changes energy consumption? Prices and public pressures.” *RAND Journal of Economics* 39(3): 636-663.

* Albouy, Graf, Kellogg and Wolff, “Aversion to Extreme Temperatures, Climate Change, and Quality of Life.” http://faculty.washington.edu/hgwolff/climatewelfare.pdf

Deschênes, Olivier and Michael Greenstone (2008), “Climate Change, Mortality and Adaptation: Evidence from Annual Fluctuations in Weather in the U.S.” MIT working paper, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=995830

Zivin, Joshua Graff and Matthew Neidell (2010), “Temperature and the Allocation of Time: Implications for Climate Change.” http://www.nber.org/papers/w15717