

SYLLABUS

Name of the course:	Ecological economics			
Teacher:	Nathalie Berta (coordinator) <u>Other involved teachers:</u> Jeffrey Althouse, Alexandre Berthe, Alban Pellegris			
University / organisation:	Ladyss, University of Paris Cité (for the coordination)			
Language of teaching:	English			
ECTS:	4			
Semester (S1, S2, S3 or S4):	<input type="checkbox"/> S1	<input type="checkbox"/> S2	<input checked="" type="checkbox"/> S3	<input type="checkbox"/> S4
Teaching method(s):	<input checked="" type="checkbox"/> Lecture courses		<input type="checkbox"/> Flipped classroom	
	Other:			
Type(s) of evaluation:	<input checked="" type="checkbox"/> Sitting exam		<input type="checkbox"/> Written report	
	<input type="checkbox"/> Oral defence		<input type="checkbox"/> Group project	
	Other / comments:	Critical analysis of an article proposed by the teachers		
Expected deadline(s) for the evaluation(s):	January			
Expected date of final results:	End of February			
Summary of the content:	<p>Ecological economics is a transdisciplinary field that develops concepts and studies to understand the interfaces between human societies and the natural environment. In this lecture, we present the main development of this critical approach to apprehend the issues related to the current ecological crisis such as climate change, energy and resource issues, pollution or material flows in a context of increasing inequalities in the world. This approach integrates new objectives for economies: future generations, sustainability, equity or non-anthropocentric issues. In order to apprehend these questions, we give an overview of methods and subjects of this field at the macroeconomic level (how to include energy, matter and pollution in macroeconomic modelling?, What are the institutions for resources and common goods management?, What is the link between growth and Anthropocene?) and at the microeconomic level (How to understand the behaviours and values relative to environmental issues?, How to link inequalities with environmental policies and degradation?, How to evaluate the natural environment and for what objectives?). We also identify new epistemological issues (How to define an interdisciplinary science? What are the links between science and society on these issues?).</p>			

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Indicative list of lectures:

1 - Ecological economics a new paradigm? 1: epistemological issues and dissimilarities with environmental economics (Alexandre Berthe)

- Røpke, I., 2005. Trends in the development of ecological economics from the late 1980s to the early 2000s. *Ecological Economics* 55, 262-290.
- Røpke, I., 2004. The early history of modern ecological economics. *Ecological Economics* 50, 293-314.
- Spash, C.L., 2012. New foundations for ecological economics. *Ecological Economics* 77, 36-47.
- Illge, L., Schwarze, R., 2009. A matter of opinion—How ecological and neoclassical environmental economists and think about sustainability and economics. *Ecological Economics* 68, 594-604.

2 et 3- Ecological economics and carbon trading

- Berta, N. *et al.*, 2017. Transactions on the EU ETS: a bubble of compliance in a whirlpool of speculation, *Cambridge Journal of Economics*, vol. 41, no. 2, 575-93.
- Lane, R. 2012. The promiscuous history of market efficiency: the development of early emissions trading systems, *Environmental Politics*, vol. 21, no. 4, 583-603.
- Lohmann, L. 2014. Performative equations and neoliberal commodification, pp. 158-80, in Büscher B., Dressler W. H., and Fletcher R. (éds.), *Nature Inc: Environmental Conservation in the Neoliberal Age*, Tucson, University of Arizona Press
- Spash C., 2010, The brave new world of carbon trading, *New Political Economy*, vol. 15, no. 2, 169-95.

4 - Institutions and ecological economics : Social relation to the environment and the inequality-environment nexus (Alexandre Berthe)

- Martinez-Alier, J., 2002. The environmentalism of the poor: a study of ecological conflicts and valuation. Edward Elgar Publishing, Cheltenham.
- Martinez-Alier, J., 1995. The environment as a luxury good or “too poor to be green”? *Ecological Economics* 13, 1-10.
- Berthe, A., Elie, L., 2015. Mechanisms explaining the impact of economic inequality on environmental deterioration. *Ecological Economics* 116, 191-200.
- Boyce, J.K. *et al.*, 2016, Measuring environmental inequality, *Ecological Economics*, 124, 114-123.
- Cahen-Fourot, L. (2020). Contemporary capitalisms and their social relation to the environment. *Ecological Economics*, 172.

5 - Ecological macroeconomics 1: Field overview / considering the biophysical implications of a monetary production economy (Jeffrey Althouse)

- Althouse, J. (2022). *Ecological Macroeconomics for a Shared Planet: towards a Global Political Ecology of Money, Finance and Production* (Doctoral dissertation, Université Paris-Nord-Paris XIII).
- Espagne, É., Godin, A., & Svartzman, R. (2023). Ecological macroeconomics. In *Elgar Encyclopedia of Post-Keynesian Economics*

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	<p>(pp. 123-125). Edward Elgar Publishing Limited.</p> <ul style="list-style-type: none"> • Campiglio, E., 2016. Beyond carbon pricing: The role of banking and monetary policy in financing the transition to a low-carbon economy. <i>Ecological Economics</i>, 121, 220-230. • Svartzman, R., Dron, D., Espagne, E. (2019). “From Ecological Macroeconomics to a Theory of Endogenous Money for a Finite Planet”. <i>Ecological Economics</i> 162 (C), 108-120. • Cahen-Fourot, L. (2021. Forthcoming). Confusion is not radical: debunking the debunking of 1 the debunking of the monetary growth imperative 2 (and ways to move forward). Working paper. • Svartzman, R., Althouse, J. (2020). “Greening the International Monetary System? Not without addressing the political ecology of global imbalances”. <i>Review of International Political Economy</i>. <p>6 - Ecological macroeconomics 2: Macroeconomics in a finite world (Alban Pellegris)</p> <ul style="list-style-type: none"> • Althouse, J. (2022). “Ecological Macroeconomics : Exploring the past, assessing the present”. (Chapter 2) in <i>Ecological Macroeconomics for a Shared Planet: towards a Global Political Ecology of Money, Finance and Production</i>. Doctoral dissertation, Université Sorbonne Paris Nord. • Espagne, É., Godin, A., & Svartzman, R. (2023). Ecological macroeconomics. In <i>Elgar Encyclopedia of Post-Keynesian Economics</i> (pp. 123-125). Edward Elgar Publishing Limited. • Svartzman, R., Dron, D., & Espagne, E. (2019). From ecological macroeconomics to a theory of endogenous money for a finite planet. <i>Ecological economics</i>, 162, 108-120. • Svartzman, R., Ament, J., Barmes, D., Erickson, J. D., Farley, J., Guay-Boutet, C., & Kosoy, N. (2020). Money, interest rates and accumulation on a finite planet-Revisiting the ‘monetary growth imperative’ through institutionalist approaches. <i>Sustainable Wellbeing Futures: A Research and Action Agenda for Ecological Economics</i>, 266-283. • Svartzman, R., Althouse, J. (2022). Greening the international monetary system? Not without addressing the political ecology of global imbalances. <i>Review of International Political Economy</i>, 29(3), 844-869.
Short bibliography:	<p>General handbooks and useful readings:</p> <ul style="list-style-type: none"> • Martinez-Alier, J. et al., 2015, <i>Handbook of ecological economics</i>, Edward Edgar Publishing. • Spash, C.L., <i>Routledge handbook of ecological economics</i>, Routledge. • <i>Ecological Economics Journal</i>, Elsevier. • Douai, A., Plumecoq, G., 2018, <i>Économie Écologique, La découverte, Repères</i>.