

# Economie de l'environnement et du développement durable

## Infos pratiques

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- > ECTS : 3,0
- > Nombre d'heures : 18,0
- > Langue(s) d'enseignement : Français, Anglais
- > Niveau d'étude : BAC +3
- > Période de l'année : Enseignement sixième semestre
- > Méthodes d'enseignement : En présence
- > Forme d'enseignement : Cours magistral
- > Ouvert aux étudiants en échange : Oui
- > Campus : Campus de Nanterre
- > Composante : Sciences économiques, gestion, mathématiques et informatique
- > Code ELP : 4E6OC605
- > En savoir plus : <https://coursenligne.parisnanterre.fr/course/view.php?id=6925>

## Présentation

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Le cours « Economie de l'environnement et du développement durable » (18h00 CM) est une introduction aux grands enjeux du développement durable d'un point de vue économique. Il est composé de 4 parties :

- \* Analyses scientifiques et économiques de l'environnement comprenant les analyses du GIEC et les approches économiques de l'environnement.
- \* La notion de développement durable dans la définition des termes, leurs implications et leurs limites.
- \* Les méthodes d'évaluation des biens environnementaux pour comprendre les bases de valorisation économique de l'environnement.
- \* Les instruments des politiques environnementales pour prendre en compte les valeurs économiques de l'environnement.

## Objectifs

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L'objectif est de montrer aux étudiantes et étudiants le large champ que recouvre les approches économiques des problématiques environnementales. Aussi bien au niveau des concepts et méthodologies que de la prise en compte et de la valorisation de l'environnement dans l'économie.

## Évaluation

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Session 1 : Examen écrit 2h00

Session 2 : Examen écrit 2h00

## Pré-requis nécessaires

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L2 économie

## Compétences visées

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Synthèse, conceptualisation, problématisation.

## Bibliographie

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- \* Arrow, K.J. and Fisher A.C. (1974), Environmental preservation, uncertainty and irreversibility, Quarterly Journal of Economics, 88, 312-319.
- \* Brousseau, E. and al. (2012), Global Environmental Commons: Analytical and Political Challenges in Building Governance Mechanisms, Oxford University Press
- \* Brundtland, G.H. (1987), Our Common Future, Oxford University Press
- \* Ehrlich, P.R. and Ehrlich, A.H. (1981), Extinction: The Causes and Consequences of the Disappearance of Species, Random House, New York, 72-98
- \* Hardin (1968), The Tragedy of Commons, Science, Vol. 162, 1243-1248
- \* Meadows, D.H., Meadows, D.L., Randers, J. and Behrens, W.W. (1972), The Limits to Growth, Universe Books.

- \* Alvarez-Cuadrado and Long, 2009, A mixed Bentham-Rawls Criterion for Intergenerational Equity : Theory and Implications, *Journal of Environmental Economics and Management*, 58, 154-168.
- \* Bontems, Ph. et G. Rotillon, 2007 , L'économie de l'environnement, *Repe#res*, La De#couverte
- \* Chichilnisky G., 1996, An Axiomatic Approach to Sustainable Development, *Social Choice and Welfare*, 13, 231-257.
- \* Dasgupta P. and G. Heal, 1974, The Optimal Depletion of Exhaustible Resources, *The Review of Economic Studies*, symposium on the economics of exhaustible resources, 3-28.
- \* Dasgupta P. and G. Heal, 1979, *Economic Theory and Exhaustible Resources*, Cambridge University Press.
- \* Hartwick J., 1977, Intergenerational Equity and the Investing of Rents from Exhaustible Resources, *The American Economic Review*, 67, 972-974
- \* Heal, 1998, *Valuing the Future : Economic Theory and Sustainability*, Columbia University Press.
- \* De Perthuis Ch. and P-A Jouvét, 2015, *Green capital. A new perspective on growth*, Columbia University Press.
- \* Jouvét, P. A., Ph. Michel and J. P. Vidal, 2000, Intergenerational altruism and the environment, *Scandinavian Journal of Economics*, 102, 135-150.
- \* Krautkraemer J.A., 1985, Optimal Growth Resource Amenities and the Preservation of Natural Environments, *Review of Economic Studies*, 52, 153-169.
- \* Vincent Martinet, Luc Doyen. Maximin, Viability and Sustainability. *Journal of Economic Dynamics and Control*. Elsevier, 2012, 36, 1414-1430.
- \* Schubert K., P. Zagame#, 1998, L'environnement. Une nouvelle dimension de l'analyse économique, *Vuibert*.
- \* Solow, R.M., 1974, Intergenerational Equity and Exhaustible Resources, *Review of Economic Studies*, 41, Symposium on the Economics of Exhaustible Resources, 29-45.
- \* Hagerty, D. K. and K. Moeltner, Specification of driving costs in models of recreation demand, *Land Economics*, 2005
- \* Iamtrakul, K. Teknomo and K. Hokao, Public Park Valuation Using Cost Method, *Proceedings of the Eastern Asia Society for Transportation Studies*, 2005
- \* Whitehead J.C., D. J. Phaneuf, Ch. F. Dumas, J. Herstine, J.Hill and B. Buerger, Convergent Validity of Revealed and Stated Recreation Behavior with Quality Change : A Comparison of Multiple and Single Site Demands, *Environmental and Resource Economics*, 2010
- \* Willis, K.G. and G.D. Garrod, An Individual Travel Cost Method of Evaluating Forest Recreation, *Journal of Agricultural Economics*, 2008
- \* Bayer P., N. Keohane, Ch. Timmins, Migration and hedonic valuation : The case of air quality, *Journal of Environmental Economics and Management*, 2009
- \* Bengochea Morancho A., A hedonic valuation of urban green areas, *Landscape and Urban Planning*, 2003.
- \* Kong F., H. Yin, N. Nakagoshi, Using GIS and landscape metrics in the hedonic price modeling of the amenity value of urban green space : A case study in Jinan City, China, *Landscape and Urban Planning*, 2007
- \* Legett C. and N.E. Bockstael, Evidence of the effects of water quality on residential land prices , *Journal of Environmental Economics and Management*, 2000
- \* McMichael AJ, Woodru RE, Hales S., Climate change and human health : present and future risks, *Lancet*, 2006
- \* Narayan P. K. and Narayan S., 2008, "Does environmental quality influence health expenditures ? Empirical evidence from a panel of selected OECD countries", *Ecological Economics*, 2008
- \* Pope C et al. 2002, Lung cancer, cardiopulmonary mortality, and long term exposure to fine particulate air pollution, *Journal of American Medical Association*, 2002
- \* Valent F. et al., Burden of Disease attributable to selected Environmental Factors and Injuries among Europe's Children and Adolescent, Geneva, World Health Organization, 2004 (WHO Environmental Burden of Disease Series, No. 8)
- \* Marit E. Kragt, Peter C. Roebeling and Arjan Ruijs, Effects of Great Barrier Reef degradation on recreational reef-trip demand : a contingent behaviour approach, *The Australian Journal of Agricultural and Resource Economics*, 2009
- \* Smith, R. D., Contingent Valuation in Health Care : Does it Matter How the Good is Described ?, *Health Economics*, 2008.
- \* Turpie J.K. , The existence value of biodiversity in South Africa : how interest, experience, knowledge, income and perceived level of threat influence local willingness to pay, *Ecological Economics*, 2003.
- \* Che#ze, B., M. David and Martinet, V., Understanding farmers' reluctance to reduce pesticide use : A choice experiment, *Ecological Economics*, 2020.
- \* Eshet T., Ayalon O., Shechter M, A critical review of economic valuation studies of externalities from incineration and landfilling, *Waste Management and Research*, 2005.

- \* Biauxque V., Valeur statistique de la vie humaine : une meta-analyse, OCDE, 2011
- \* Miller T, Variations between countries in value of statistical Life, Journal of Transport Economics and Policy, 2000.
- \* Brander L. M., Raymond J. G. M. Florax and J. E. Vermaat, The Empirics of Wetland Valuation : A Comprehensive Summary and a Meta-Analysis of the Literature, Environmental and Resource Economics, 2006
- \* Banque Mondiale : Rapport annuel State and Trends of Carbon Pricing (2020). <https://www.carbonpricingleadership.org/>
- \* Baumol W. (1972), On Taxation and the Control of Externalities, American Economic Review.
- \* Coase, R. (1960), "The Problem of Social Cost", Journal of Law and Economics.
- \* Commission Europe#enne : <https://ec.europa.eu/clima/policies/ets-en>
- \* Dales, J.H. (1968), Pollution, Property and Prices, Toronto University Press.
- \* EU-ETS Handbook <https://www.sallan.org/pdf-docs/ets-handbook-en.pdf> et <https://ec.europa.eu/clima/eu-action/eu-emissions-trading-system-eu-ets-fr>
- \* Pigou A.C (1920), The Economics of Welfare, Palgrave.
- \* Segerson, K. (1988), Uncertainty and Incentives for Non-Point Pollution Control, Journal of Environmental Economics and Management.
- \* Weitzman M.L. (1974), Prices vs. Quantities, The Review of Economic Studies.
- \* <https://www.ipcc.ch/reports/>