



**KAUTILYA SCHOOL OF PUBLIC POLICY**  
GITAM (Deemed to be University)  
Rudraram, Patancheru Mandal  
Hyderabad, Telangana 502329

<b>Course Code:</b> PPOL1021	<b>Course Title:</b> Principles and Practice of Environmental Policy	
<b>Semester:</b> 6	<b>Course Type:</b> Core	<b>Credits:</b> 3
<b>Home Program(s):</b> Minor	<b>Batch/Academic Year:</b> 2024 - 2027	
<b>Course Lead:</b> Dr. Sandeep Paul	<b>Assigned TA/RA:</b>	

### **Course Description**

Hardly anyone today denies that the planet and its inhabitants are in trouble. The delicate balance of the various cyclic biogeochemical processes is under threat and human economic activity has left its mark on the home planet. Governments around the world have long recognised the gravity of environmental concerns and their effects on welfare, and the area emerged as an important sector of policymaking activity in the 1970s.

Since then though, both environmental problems and policy responses have grown in complexity. Rising awareness of environmental challenges has gone hand in hand with increasing intractability and widening political polarisation regarding the balance of key values at stake. In that backdrop, a study of the range of policy responses at the disposal of governments is of critical importance.

This is among the broadest policy areas, and the course attempts to cover that breadth, from pollution and conservation to energy and recycling. Also, it covers contexts across the range of policy maturity in terms of policy principles. Besides learning about the policy sector, the course also serves as a broad overview of the elements of public policy in an applied manner.

### **Course Objectives**

1. Learning to frame environmental problems as policy problems
2. To introduce the major environmental policy principles
3. Explaining how environmental policy principles translate into policy instruments.
4. Studying cases and examples of environmental policy in practice
5. To introduce tools, instruments and standards associated with advanced Environmental Policy

## Course Outcomes

On successful completion of this course, students will be able to:

1. Appreciate the relationship between policy principles and policy instruments
2. Analyze a given environmental problem and draw recommendations from a basket of policy instruments
3. Appreciate the nature and scope data demands that environmental policy makes and source of the data
4. Comprehend the application of basic analytical tools such as Life Cycle Analysis
5. Identify professional niches that overlap with this wide field of policy

## Course Schedule

<b>Unit I</b>	<b>Sessions: 5</b>	<b>Introduction</b>
<ul style="list-style-type: none"><li>● The need for Environmental Policy</li><li>● Overview of Policy Instruments</li><li>● Diverging Views in Environmental Thought</li></ul>		
<b>Unit II</b>	<b>Sessions : 8</b>	<b>Principles</b>
<ul style="list-style-type: none"><li>● Polluter Pays</li><li>● Extended Producer Responsibility</li><li>● Common but Differentiated Responsibility</li><li>● Precautionary Principle</li></ul>		
<b>Unit III</b>	<b>Sessions: 12</b>	<b>Tools, Instruments and Standards</b>
<ul style="list-style-type: none"><li>● Life Cycle Analysis</li><li>● System Dynamics Models</li><li>● Integrated Product Policy</li><li>● Labeling</li><li>● Green Public Procurement</li><li>● ISO 14000</li></ul>		
<b>Unit IV</b>	<b>Sessions: 5</b>	<b>Cross-cutting Analytical Discussion</b>
<ul style="list-style-type: none"><li>● Environment and Development</li><li>● Emissions embedded in Trade</li><li>● The Energy Transition</li></ul>		

## Books and Course Materials

### Selected reading:

1. Arrow, K. J., Cropper, M. L., Eads, G. C., Hahn, R. W., Lave, L. B., Noll, R. G., Portney, P. R., Russell, M., Schmalensee, R., Smith, V. K., & Stavins, R. N. (1996). Is There a Role for Benefit-Cost Analysis in Environmental, Health, and Safety Regulation?
  - a. *Science*, 272(5259), 221–222.
2. Baumol, W. J., & Oates, W. E. (1988). *The theory of environmental policy*. Cambridge University Press.
3. Bhagwati, J. (1993). The Case for Free Trade. *Scientific American*, 269(5), 42–49.
4. Daly, H. E. (1993). The Perils of Free Trade. *Scientific American*, 269(5), 50–57.
5. Dubner, S. J. (n.d.). *Two (Totally Opposite) Ways to Save the Planet* [Broadcast]. Retrieved October 1, 2024, from [https://freakonomics.com/podcast/two-totally-opposite-ways-to-save-the-planet\\_radio/](https://freakonomics.com/podcast/two-totally-opposite-ways-to-save-the-planet_radio/)
6. European Commission. (n.d.). *Green Public Procurement*. Retrieved October 2, 2024, from [https://green-business.ec.europa.eu/green-public-procurement\\_en](https://green-business.ec.europa.eu/green-public-procurement_en)
7. Friedman, T. L. (2009, December 9). Going Cheney on Climate. *The New York Times*. <http://www.nytimes.com/2009/12/09/opinion/09friedman.html>
8. Frog-hunters of the Western Ghats. (2011, December 17). *The Economist*.
  - a. <http://www.economist.com/node/21541722>
9. Goswami, P. (2008). Is the urban Indian consumer ready for clothing with eco-labels? *International Journal of Consumer Studies*, 32(5), 438–446.
10. Grantham Research Institute, & Clark, D. (2012, July 2). What is the “polluter pays” principle? *The Guardian*. <https://www.theguardian.com/environment/2012/jul/02/polluter-pays-climate-change>
11. International Organization for Standardization. (2023, January 20). *ISO 14000 family*. <https://www.iso.org/standards/popular/iso-14000-family>
12. Jordan, A., Wurzel, R. K. W., & Zito, A. R. (2003). *New instruments of environmental governance? National experiences and prospects* / (EB55). Frank Cass.
13. Khanna, R., & Aggarwal, D. (2023, September 21). A light-bulb moment for the Indian fan market. *The Hindu*. <https://www.thehindu.com/opinion/op-ed/a-light-bulb-moment-for-the-indian-fan-market/article67331553.ece>
14. Organisation for Economic Co-operation and Development. (2001). *Extended Producer Responsibility: A Guidance Manual for Governments*. OECD Publishing.
15. Phelps, J., Jones, C. A., Pendergrass, J. A., & Gómez-Baggethun, E. (2015). Environmental liability: A missing use for ecosystem services valuation. *Proceedings of the National Academy of Sciences*, 112(39), E5379–E5379.
16. Smil, V. (2022). *How the World Really Works: The Science Behind How We Got Here and Where We’re Going*. Viking.
17. Stevens, C. (1994). Interpreting the Polluter Pays Principle in the Trade and

- Environment Context. *Cornell International Law Journal*, 27(3), 577–590.
17. Taxes for a Greener Environment. (1997, June 28). *The Economist*.
  18. The Curious Case of Environmental Standards and its Trade Impact: An Integrated Indian and Norwegian Perspective. (2013, November). *GREAT Insights ECDPM*, 2(8). <http://ecdpm.org/great-insights/multiple-dimensions-trade-development-nexus/curious-case-environmental-standards-trade-impact/>
  19. The Swedish Tax on Nitrogen Oxide Emissions: Lessons in Environmental Policy Reform (No. 2; OECD Environment Policy Papers). (2013). Organisation for Economic Co-operation and Development. <https://doi.org/10.1787/5k3tpspfqgzt-en>
  20. United Nations Environment Programme. (2017, October 2). *The Life Cycle Initiative*. <https://www.unep.org/explore-topics/resource-efficiency/what-we-do/life-cycle-initiative>
  21. Zhang, Q., Jiang, X., Tong, D., Davis, S. J., Zhao, H., Geng, G., Feng, T., Zheng, B., Lu, Z., Streets, D. G., Ni, R., Brauer, M., van Donkelaar, A., Martin, R. V., Huo, H., Liu, Z., Pan, D., Kan, H., Yan, Y., ... Guan, D. (2017). Transboundary health impacts of transported global air pollution and international trade. *Nature*, 543(7647), 705–709.