Department of Geography & Environment

GY121: Sustainable Development

Winter Term 2024

WT Lecturers: Dr Julia Corwin (j.e.corwin@lse.ac.uk) (course manager)
Dr Jeffrey Pagel (j.pagel@lse.ac.uk)
Dr Muna Dajani (m.d.dajani@lse.ac.uk)
Dr Tanya Matthan (t.r.matthan@lse.ac.uk)

Class Teachers: Amrita DasGupta (A.Dasgupta7@lse.ac.uk)
Anna Smith (A.Smith29@lse.ac.uk)

All office hours posted on Student Hub

WT course structure:

- **Lectures** on Tuesdays 12-1:30pm (CKK.LG.01)
- **Classes** weekly, starting in week 1

WT course assessments:
Formative: In class debates in different weeks and a final reflection
Summative: Final project: sustainable development programme/project research paper (40%) Participation (10%)

WT summary lecture guide

Week 1	Intro to WT: reviewing different approaches to sustainable development (JC)
Week 2	Measuring and reducing inequality, part 1 (JP)
Week 3	Measuring and reducing inequality, part 2 (TM)
Week 4	Measuring and valuing nature, part 1 (JP)
Week 5	Measuring and valuing nature, part 2 (MD)
Week 6	*Reading week*
Week 7	Ecological modernization and technology (MD)
Week 8	Re-envisioning the economy (JC)
Week 9	Community engaged sustainable development 1: indigenous conservation (AS)
Week 10	Community engaged sustainable development 2: urban sustainability (JC/MD)
Week 11	Final project workshop

Week One	**Intro to WT: reviewing different approaches to sustainable development (JC)** Required reading: • Bina, O. (2013). The Green Economy and Sustainable Development: An Uneasy Balance? *Environment and Planning C: Government and Policy* 31(6): 1023–1047. • Agyeman, Bullard, and Evans. (2002). Exploring the Nexus: Bringing Together Sustainability, Environmental Justice and Equity. *Space and Polity* 6 (1): 77–90.
Week Two	**Measuring and reducing inequality, part 1 (JP)** Required readings: • Dabla-Norris, M. E., Kochhar, M. K., Suphaphiphat, M. N., Ricka, M. F., & Tsounta, M. E. (2015). *Causes and consequences of income inequality: A global perspective*. International Monetary Fund. • Gibson, M., Sautmann, A., Feeney, L., & Walsh, C. (2017). Introduction to randomized evaluations. *Abdul Latif Jameel Poverty Action Lab*. Background and additional readings: • Duflo, E., Glennerster, R., & Kremer, M. (2007). Using randomization in development economics research: A toolkit. *Handbook of development economics*, *4*, 3895-3962.
Week Three	**Measuring and reducing inequality, part 2 (TM)** Required readings: • Taylor, Marcus. (2018) Climate-smart agriculture: what is it good for?, *The Journal of Peasant Studies,* 45:1, 89-107. • Patel, Raj. (2021) Agroecology is the solution to world hunger, *The Scientific American,* Sept 22. Background and additional readings: • Montenegro de Wit, M. (2021) What grows from a pandemic? Toward an abolitionist agroecology, *The Journal of Peasant Studies*, 48:1, 99-136 • Tyagi, B. B., & Kumar, R. (2020). The Future of Farming: To What End and For What Purpose? *Science, Technology and Society*, *25*(2), 256-272
Week Four	**Measuring and valuing nature, part 1 (JP)** Required readings: • Adams, B. (2008). Chapter 6 – "Delivering mainstream sustainable development". *Green Development: Environment and Sustainability in a Developing World*. Routledge. • Alix-Garcia, J., & Wolff, H. (2014). Payment for ecosystem services from forests. *Annal Review of Resource Economics, 6*(1), 361-380. Background and additional readings: • Atkinson et al. (2014). Chapter IV – "Economic growth and the environment". *Handbook of Sustainable Development.* Edward Elgar, Cheltenham • Jack, B. K., Jayachandran, S., Kala, N., & Pande, R. (2022). *Money (Not) to Burn: Payments for Ecosystem Services to Reduce Crop Residue Burning* (No. w30690). National Bureau of Economic Research.

	• Jayachandran, S., De Laat, J., Lambin, E. F., Stanton, C. Y., Audy, R., & Thomas, N. E. (2017). Cash for carbon: A randomized trial of payments for ecosystem services to reduce deforestation. *Science*, *357*(6348), 267-273.
Week Five	**Measuring and valuing nature, part 2 (MD)** Required readings: • Jacobs, S., Zafra-Calvo, N., Gonzalez-Jimenez, D., Guibrunet, L., Benessaiah, K., Berghöfer, A., ... & Balvanera, P. (2020). Use your power for good: plural valuation of nature–the Oaxaca statement. *Global Sustainability*, *3*,8 • Muniz, R., & Cruz, M. J. (2015). Making nature valuable, not profitable: are payments for ecosystem services suitable for degrowth?. *Sustainability,* 7(8), 10895-10921. • Urzedo, D., & Robinson, C. J. (2023). Decolonizing ecosystem valuation to sustain Indigenous worldviews. *Environmental Science & Policy*, *150*, 1-11. Background and additional readings: • Robertson, Morgan M. 2006. "The Nature That Capital Can See: Science, State, and Market in the Commodification of Ecosystem Services." *Environment and Planning D: Society and Space* 24 (3): 367–87. • Robertson, Morgan, and Joel Wainwright. 2013. "The Value of Nature to the State." *Annals of the Association of American Geographers* 103 (4): 890–905.
Week Six	***Reading week: no lecture or class sessions***
Week Seven	**Ecological modernization and technology (MD)** Required readings: • Rodgers, D., & O'Neill, B. (2012). Infrastructural violence: Introduction to the special issue. *Ethnography*, *13*(4), 401-412. • Alkhalili, N., Dajani, M., & Mahmoud, Y. (2023). The enduring coloniality of ecological modernization: Wind energy development in occupied Western Sahara and the occupied Syrian Golan Heights. *Political Geography*, *103*, 1-8. • Underhill, V., Sabati, S., & Beckett, L. (2022). Against settler sustainability: California's groundwater as a vertical frontier. *Environment and Planning E: Nature and Space.* 1-20. https://doi.org/10.1177/25148486221110434 Background and additional readings: • Colven, E. 2017. Understanding the allure of big infrastructure: Jakarta's Great Garuda Sea Wall Project. *Water Alternatives* 10(2): 250-264 • Kimari, Wangui, and Henrik Ernstson. 2020. Imperial Remains and Imperial Invitations: Centering Race within the Contemporary Large-Scale Infrastructures of East Africa. *Antipode* 52 (3): 825–46.

Week Eight	**Re-envisioning the economy (JC)**
	Required readings:
	• Lawhon, M., & McCreary, T. (2023). *Enough! A Modest Political Ecology for an Uncertain Future.*
	  • Introduction, pgs. 1-12
	  • Chapter 2: Neither more nor less: cultivating a modest political ecology, pgs. 41-61.
	  • Interlude and Chapter 3: A modest economy, pgs. 63-90.

	Background and additional readings: • Goldstein, J. (2018). *Planetary Improvement: Cleantech Entrepreneurship and the Contradictions of Green Capitalism,* Chapter 1 (pgs. 17-36) and Chapter 6 (pgs. 143-158) • Kothari, A. Demaria, F. and Acosta, A. (2014). Buen Vivir, Degrowth and Ecological Swaraj: Alternatives to Development and the Green Economy. *Development*, 57(3–4): 362–75. • Lawhon, M., & McCreary, T. (2020). Beyond Jobs vs Environment: On the Potential of Universal Basic Income to Reconfigure Environmental Politics. *Antipode*, 1–23. • Robbins, P. (2020). Is less more … or is more less? Scaling the political ecologies of the future. *Political Geography*. 76: 1-6 • Gibson-Graham, J. Katherine. 2008. Diverse Economies: Performative Practices for 'Other Worlds.' *Progress in Human Geography* 32 (5): 613–32. • Nirmal, P., and D. Rocheleau. 2019. "Decolonizing Degrowth in the Post-Development Convergence: Questions, Experiences, and Proposals from Two Indigenous Territories." *Environment and Planning E: Nature and Space* 2 (3): 465–92.
Week Nine	**Community engaged sustainable development part 1: traditional and indigenous approaches (AS)** Required readings: • Soares, B. E., Franco, A. C. S., Leal, J. S., Lima, R. G. D. S. F., Baker, K., & Griffiths, M. (2023). Decolonising ecological research: A generative discussion between Global North geographers and Global South field ecologists. *Area,* 55(4), 550-557. • Rubis, J. M. (2020) The orang utan is not an indigenous name: knowing and naming the maias as a decolonizing epistemology. *Cultural Studies* 34 (5), 811–830. Background and additional readings: • Hoover, E. 2017. "'You Can't Say You're Sovereign If You Can't Feed Yourself': Defining and Enacting Food Sovereignty in American Indian Community Gardening." *American Indian Culture and Research Journal* 41 (3): 31–70. • Torres, R.; Azócar, G.; Gallardo, R. and Mendoza, J. 2022. Water extractivism and decolonial struggles in Mapuche territory, Chile. *Water Alternatives* 15(1): 150-174. • Liu, F. H., Ganesan, V., & Smith, T. E. (2020). Contrasting communications of sustainability science in the media coverage of palm oil agriculture on tropical peatlands in Indonesia, Malaysia and Singapore. *Environmental Science & Policy,* 114, 162-169. • McKemey, M. B., Banbai Rangers, Ens, E. J., Hunter, J. T., Ridges, M., Costello, O., & Reid, N. C. (2021). Co-producing a fire and seasons calendar to support renewed Indigenous cultural fire management. *Austral Ecology*, 46(7), 1011-1029.
Week Ten	**Community engaged sustainable development part 2: urban sustainability (JC/MD)** Required readings:

	• Luke, Nikki, and Nik Heynen. 2020. "Community Solar as Energy Reparations: Abolishing Petro-Racial Capitalism in New Orleans." *American Quarterly* 72 (3): 603–25. • Zapata Campos, M. J., P. Zapata, and I. Ordoñez. 2020. Urban Commoning Practices in the Repair Movement: Frontstaging the Backstage. *Environment and Planning A: Economy and Space* 52 (6): 1150–70. <u>Additional readings:</u> • Appadurai, A. (2001). Deep democracy: urban governmentality and the horizon of politics. *Environment and Urbanization*, 13(2): 23–43 • Bledsoe, Adam, Tyler McCreary, and Willie Wright. 2022. "Theorizing Diverse Economies in the Context of Racial Capitalism." *Geoforum*, 132: 281–90. • Davis, J. *et al.* (2019) Anthropocene, Capitalocene, ... Plantationocene?: A Manifesto for Ecological Justice in an Age of Global Crises. *Geography Compass*, pp. 1–15. • Chatterton, P. 2016. Building Transitions to Post-Capitalist Urban Commons. *Transactions of the Institute of British Geographers* 41 (4): 403–15. • Safransky, S. 2017. Rethinking Land Struggle in the Postindustrial City. *Antipode* 49 (4): 1079–1100.
Week Eleven	***Final project workshop*** • TBA

Subject to minor changes; changes will be updated on Moodle and announced in lecture