

Course instructor:

Ian Rowlands (EV2-2026; ext. 32574; irowlands@uwaterloo.ca).

Office hours: ‘most’ Mondays and Fridays from 1-2pm; see the Course Calendar in LEARN for exceptions.

Note that while the faculty member responsible for the course (and for the students’ assessment) is Prof. Ian Rowlands (Department of Environment and Resource Studies), there will be – as noted below – a number of guest lecturers and other speakers.

Meetings:

The course will meet twice weekly: Mondays from 4:30-5:50pm and Wednesdays from 4:00-5:20pm. All meetings (except 27 November) will be in EV2-1001.

Course purpose:

This course is intended to provide students with an introduction to the ways in which environmental issues are addressed through governance and policy means – in other words, by collective action on the part of governments and non-governmental organizations in communities/jurisdictions at various scales (local, provincial, national and international).

Three key themes permeate the course:

- environmental governance and policy analysts must be cognizant of multiple scales (i.e., municipal, provincial, national and international);
- environmental governance and policy analysts must be cognizant of multiple actors/players (i.e., various governments, businesses and civil society organizations); and
- environmental governance and policy analysts must be cognizant of the importance of agency (i.e., the capacity of individual actors/players to act independently and to make their own choices) and structure (i.e., those institutions that affect the freedom of an individual actor/player to exercise ‘free will’).

Course readings:

All readings are available electronically – either through UW course reserve (CR) or at a particular website (WEB). (Note that students are encouraged to read the required readings in the order in which they are listed on this course outline.)

Course assessment:

The course will be assessed by five elements, each worth 20%. Full details regarding expectations for each are provided in individual ‘rubrics’, available on the course website. The five elements are as follows:

- 1) Election assignment: Take one environmental issue from the Canadian federal election and prepare a ‘policy brief’ for a particular audience (e.g., choose someone in a position of power, and write ‘for them’). The emphasis will be upon a brief description of the problem, what is at stake for the reader, the positions of the key parties (stated and/or inferred) and the ‘so what?’ (for the reader) of the most-likely scenarios on election day. It will be 800-1,000 words in length, with an additional 400-500 words of ‘support’/‘backup’. This is due in the appropriate dropbox (on LEARN) by 11:59pm on Friday, 16 October.
- 2) Climate change assignment: Prepare an ‘op-ed’ of 800-1,000 words for a ‘learned, popular outlet’ (think: *New York Times*, *Report on Business Magazine*, etc.). The ‘op-ed’ should be about some governance and/or policy aspect of the upcoming (Paris) Climate Change Conference, and it can be either as an ‘advocate’ (from a particular advocacy position) or ‘analyst’ (e.g., a researcher at a major university) or some blend of the two (which must be identified). Again, there will be an additional 400-500 words of ‘support’/‘backup’. This is due in the appropriate dropbox (on LEARN) by 11:59pm on Friday, 6 November.
- 3) Two ‘reading critiques’: Prepare two 600-750 word ‘reading critiques’ of any two ‘assigned readings’ in this course. They must be submitted in the appropriate dropbox (on LEARN) by 11:59pm on the Monday of the ‘week after’ the session.
- 4) Take-home essays: A single candidate question will be ‘revealed’ each Friday, for 10 weeks of term. At the last session (30 November), six of these questions will be presented to students, and they will be required to prepare 600-750 word essay answers to two of their choice, to be submitted in the appropriate dropbox (on LEARN) by 11:59pm on Friday, 4 December.

5) Participation and attendance.

Note on submissions through the LEARN dropbox:

Before you will be permitted to submit any assignment through the dropbox, you must complete the 'assignment checklist' which is presented to you in the form of a 'quiz' in LEARN. Though labeled a 'quiz', this will not be marked in any way, but must be completed before the dropbox for this particular assignment is open to you. The questions (which concern issues of 'academic integrity') refer, of course, to this particular assignment.

Note on late submissions:

Late submissions will be penalised 5 per cent (of the 100 per cent available for that particular assignment) for each day (or part thereof) late. Assignments will not be accepted after seven days (beyond the due date) have lapsed. Accommodation will be made in exceptional circumstances (usually related to medical emergencies supported by documentation). As soon as students realise that their assignment may be submitted late, they are encouraged to contact the course instructor. Please note that the LEARN system records submission times, and 'late will be late', with the following exceptions: submission time of 12:00-12:02 (1 per cent deduction); 12:03-12:05 (2 per cent deduction); 12:06-12:08 (3 per cent deduction); 12:09-12:11 (4 per cent deduction).

Research ethics:

Please note that the University of Waterloo requires all research conducted by its students, staff, and faculty that involves humans as participants to undergo prior ethics review and clearance through the Director, Office of Human Research and Animal Care (Office). The ethics review and clearance processes are intended to ensure that projects comply with the Office's Guidelines for Research with Human Participants (Guidelines) as well as those of provincial and federal agencies, and that the safety, rights and welfare of participants are adequately protected. If any of your work for this course consists of research that involves humans as participants, then please contact the course instructor for guidance as early as possible and see <https://uwaterloo.ca/research/office-research-ethics>

Academic integrity:

In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. Refer to Academic Integrity website (<https://uwaterloo.ca/academic-integrity/>) for details.

Grievance:

A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70 (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-70>) Student Petitions and Grievances, Section 4. When in doubt, please contact the department's administrative assistant who will provide further assistance.

Discipline:

A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g. plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate Associate Dean. For information on categories of offences and types of penalties, students should refer to Policy 71 (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71>) Student Discipline. For typical penalties check Guidelines for the Assessment of Penalties (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/guidelines/guidelines-assessment-penalties>).

Appeals:

A decision made or penalty imposed under Policy 70 (Student Petitions and Grievances) (other than a petition) or Policy 71 (Student Discipline) may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72 (Student Appeals), www.adm.uwaterloo.ca/infosec/Policies/policy72.htm.

Note for students with disabilities:

AccessAbility Services (<http://uwaterloo.ca/disability-services/>), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the office at the beginning of each academic term.

Religious observances:

As applicable, each student needs to inform the instructor at the beginning of term if special accommodation needs to be made for religious observances that are not otherwise accounted for in the scheduling of classes and assignments.

Brief overview of course:

Week	Monday	Wednesday
1	14 Sept. – An introduction to environmental governance and policy (Ian Rowlands)	16 Sept. – Discuss readings and concepts from 14 September
2	21 Sept. – Canadian environmental governance and policy (Ian Rowlands)	23 Sept. – Discuss readings and concepts from 21 September
3	28 Sept. – NO CLASS	30 Sept. – Workshop on effective communication on governance and policy issues to diverse audiences by different means
4	5 Oct. – Governing for complexity (Derek Armitage)	7 Oct. – Introduction of election assignment
5	Thanksgiving – NO CLASS	14 Oct. – ‘Working session’ on election assignment ELECTION ASSIGNMENT DUE – 16 OCTOBER
6	19 Oct. – Governing water in the Anthropocene (Rob de Loë)	21 Oct. – Election results discussion (and revisit the election assignment)
7	26 Oct. – Food and global environmental governance (Jennifer Clapp)	28 Oct. – Introduction to climate change assignment
8	2 Nov. – Contrasting African indigenous and Western approaches to land governance (Andrea Collins)	4 Nov. – ‘Working session’ on climate change assignment CLIMATE CHANGE ASSIGNMENT DUE – 6 NOVEMBER
9	9 Nov. – Ontario renewable electricity governance and policy (Ian Rowlands)	11 Nov. – Guest speaker: Karen Redman, Councillor, Regional Municipality of Waterloo (http://www.regionofwaterloo.ca/en/regionalGovernment/karenredman.asp). **
10	16 Nov. – Can social-ecological systems thinking help us tie it all together? (Rob de Loë)	18 Nov. – Reflection on course material to date
	21 Nov. – Reading preparation for 23 November guest speaker	
11	23 Nov. – Guest speaker: Peter Dauvergne, Professor of International Relations, University of British Columbia (http://www.ligi.ubc.ca/?p2=/modules/liu/profiles/profile.jsp&id=25), ‘Is Environmentalism Failing the Earth? Confronting the Political Economy of Ever More’	25 Nov. – Guest speaker debriefing

	SPECIAL LOCATION: Boardroom 1-23, Balsillie School of International Affairs, CIGI Campus, 67 Erb Street West, Waterloo, ON SPECIAL TIME: 4:45pm ... NOTE: A group (led by Prof. Rowlands) will be leaving (to travel by foot to CIGI) from EV2-1001 at 4:25pm SHARP. **	
12	30 Nov. – Overview and summary (Ian Rowlands)	2 Dec. – No meeting TAKE-HOME ESSAYS DUE – 4 DECEMBER

NOTE: The two sessions marked with ** will be open to the broader UW community.

Additional details about the course:

14 September

Lecturer: Prof. Ian Rowlands

Topic: An introduction to environmental governance and policy

- Overview of course, including key themes (multilevel governance, multiactor governance, structure/agency)
- Alternative definitions of governance and environmental governance
- Theories about (and approaches to) environmental governance
- Alternative definitions of policy and environmental policy
- Theories about (and approaches to) environmental policy
- Tools for environmental policy
- Key debates in environmental governance and policy

Required readings:

Oran R. Young, 'Introduction: Governing Human-Environment Relations', in *On Environmental Governance: Sustainability, Efficiency and Equity* (Boulder, CO: Paradigm Publishers, 2013), pp. 1-19, 165-168 (CR).

J.P. Evans, 'Introduction', in *Environmental Governance* (New York: Routledge, 2012), pp. 1-20 (CR).

Optional reading:

Jane Roberts, 'Environmental Policy Making in Government', in *Environmental Policy, Second Edition* (New York: Routledge, 2011), pp. 145-174 (CR).

21 September

Lecturer: Prof. Ian Rowlands

Topic: Environmental governance and policy in practice in Canada

- Laying out key actors/structures in Canadian environmental governance and policy
- Mini case-studies from 'current events'

Required readings:

Alex Wellington, 'Governance in Canada: The Basics', in Allan Greenbaum and Alex Wellington (eds), *Environmental Law and Policy in the Canadian Context* (Concord, ON: Captus Press, 2010), pp. 1-25 (CR).

Mark Winfield, 'Policy Instruments in Canadian Environmental Policy', in Debora L. VanNijnatten and Robert Boardman (eds), *Canadian Environmental Policy and Politics: Prospects for Leadership and Innovation*, Third Edition (Don Mills, ON: Oxford University Press, 2009), pp. 46-63 (CR).

Optional reading:

Michael Howlett and Sima Joshi-Koop, Canadian Environmental Politics and Policy, in John C. Courtney and David E. Smith (eds), *The Oxford Handbook of Canadian Politics* (Toronto, ON: Oxford University Press, 2010), pp. 469-487 (CR).

5 October

Lecturer: Prof. Derek Armitage

Topic: Governing for complexity

- Define and explain the features of complexity and complex adaptive systems
- Critically reflect on the implications of complexity for how we govern natural resources (e.g., fish, water) and our environment (e.g., climate)
- Explore how different 'modes' of governance (networked, multi-level) or attributes of governance (e.g. learning-oriented, flexible) are needed to help societies deal with complexity
- Use an oceans/coastal systems case to apply our understanding of governance and complexity

Required readings:

A. Duit and V. Galaz, 'Governance and Complexity: Emerging Issues for Governance Theory', *Governance: An International Journal of Policy, Administration, and Institutions* (Vol. 21 (3), 2008), pp. 311-335 (CR).

T. Dietz et al., 'The Struggle to Govern the Commons', *Science* (Vol. 302, 2003), pp. 1907-1912 (CR).

19 October

Lecturer: Prof. Rob de Loë

Topic: Governing water in the Anthropocene

- Recognizing that water governance can no longer be thought of as simply a local (or even national) concern
- Introduction to recent insights from global change science
- Discussion of implications for governance

Required readings:

Welcome to the Anthropocene, 'Water in the Anthropocene' (three minute video), <https://vimeo.com/66087863>, 2013 (WEB).

Heather Cooley et al, 'Global Water Governance in the Twenty-First Century', in *The World's Water (Volume 8)*, 2014, 18 pp., <http://worldwater.org/wp-content/uploads/sites/22/2013/07/ww8-ch1-us-water-policy.pdf> (Read pages 1 to 6. For pages 7-15, read the introduction to each section, and quickly skim the recommendations. Then read the conclusion on page 15.) (WEB)

26 October

Lecturer: Prof. Jennifer Clapp

Topic: Food and global environmental governance

- Governance for the global environment: Why is it necessary and what are the key challenges?
- What are the implications of our food choices for the global environment?

- The multiple layers of complexity in governance and policymaking for a more sustainable global food system

Required readings:

Ronnie Lipschutz, 'Chapter 1: What are Global Environmental Politics?', in *Global Environmental Politics: Power, Perspectives, and Practice* (Washington, DC: CQ Press, 2004), pp. 1-32 (CR).

Wayne Roberts, 'Introducing the Food System', in *The No-Nonsense Guide to World Food, New Edition* (Oxford: New Internationalist Publications Ltd., 2013), pp. 11-31 (CR).

2 November

Lecturer: Prof. Andrea Collins

Topic: Contrasting African Indigenous and Western approaches to land governance

- Introduction to the concepts of customary and statutory forms of land governance
- Review debates over how to govern land in sub-Saharan Africa
- Consider the implications of land governance for food security, natural resource management, conflict resolution, and gender equality.

Required readings:

'Breathing Life Into New Capital: Why Secure Property Rights Matter', *The Economist*, 15 January 2004.
<http://www.economist.com/node/2328596> (CR and WEB).

S.M. Borras Jr. and J.C. Franco, 'Contemporary Discourses and Contestations Around Pro-poor Land Policies and Land Governance', *Journal of Agrarian Change* (Vol. 10, No. 1, 2010), pp. 1–32. (Focus on pages 1-16.) (CR)

9 November

Lecturer: Prof. Ian Rowlands

- Ontario renewable electricity governance and policy

Required readings:

Ian H. Rowlands, 'Renewable Electricity: Provincial Perspectives and National Prospects', in Debora L. VanNijnatten (ed), *Canadian Environmental Policy and Politics: Austerity and Ambivalence, Fourth Edition* (Toronto, ON: Oxford University Press, 2015), pp. 235-251 (CR).

Leah Stokes, 'The Politics of Renewable Energy Policies: The Case of Feed-in Tariffs in Ontario, Canada', *Energy Policy* (Vol. 56, 2013), pp. 490-500 (CR).

16 November

Lecturer: Prof. Rob de Loë

Topic: Can social-ecological systems thinking help us tie it all together?

- Exploring links among energy, food, water and other systems

21 November

Required reading:

Review Prof. Dauvergne's home page (<http://www.ligi.ubc.ca/?p2=/modules/liu/profiles/profile.jsp&id=25>) in advance of the Monday lecture.

23 November

Lecturer: Prof. Peter Dauvergne

Guest Chair: Prof. Jennifer Clapp

30 November

Lecturer: Prof. Ian Rowlands

- overview and summary

Ian Rowlands, 12 September 2015