

# Environmental Education

## transdisciplinary approaches to addressing wicked problems

• Global Online Course • Winter 2018



<b>Module</b>	<b>Units</b>	<b>Lecturer</b>
1. Introduction to participants and course	1. Welcome to the Global Online Course	M Krasny
	2. Wicked problems	A Wals
	3. Transdisciplinary approach	M Krasny
2. Course issues/ wicked problems	1. Climate change	M Krasny
	2. Nature contact and health	C Jordan
	3. Energy use	S Kar
	4. Food systems/ Food sovereignty	J Mt Pleasant
	5. Disaster risk and reduction	K Sudmeier
	6. Water quality and quantity	AM Ndaruga
3. Environmental education	1. Environmental Education (EE)- an introduction	J Braus
	2. EE, Education for Sustainability, and Sustainability Education	A Wals
	3. EE and STEM (science, technology, engineering, and maths)	J Dillon
	4. EE in formal and non-formal settings	J Dillon
	5. Outdoor education	S Beames
	6. Learning for sustainability	B Christie and P Higgins
	7. Conservation education	J Ady
	8. Citizen science	J Shirk

4. Learning	1. Content and inquiry learning	J Dillon
	2. Problem-based learning	J Heimlich
	3. Experiential learning	J Heimlich
	4. Transformative learning	A Wals
	5. Transgressive learning	H Lotz-Sisitka
	6. Indigenous knowledge	S Shiva
	7. CHAT (Cultural historical activity theory)	T Pesanayi
5. Environmental psychology	1. Introduction to environmental psychology	T Doherty
	2. Collective action	J Fraser
	3. Environmental educators:minding the self	J Fraser
	4. Knowledge/attitudes/behavior	E Danter
	5. Health benefits of nature	L Chawla
	6. Environmental identity	S Clayton
	7. Conservation Psychology	J Fraser
	8. Youth development	T Schusler
6. Environmental communication	1. Introduction to environmental communication	M Monroe
	2. Social marketing	B Day
	3. Climate change communication	J Schuldt
	4. Story telling	P Marcos-Iga
	5. Interactive theatre and environmental education	A Jimenez-Aceituno
7. Environmental sociology	1. Introduction to environmental sociology	R Stedman
	2. Sense of place	N Ardoin
	3. Practice theory	N Cohen
	4. Collective action/public goods	M Janssen
	5. Community Resilience	S Allred
	6. Social capital	M Krasny
	7. Collective efficacy	M Krasny
	8. Sense of community	M Krasny

8. Environmental governance	1. Introduction to environmental governance	S Wolf
	2. Deliberative democracy	J Laessoe
	3. Power relations	M McKenzie and J Koushik
	4. Public engagement	M Stern
	5. Networked governance	L Campbell
	6. Participation	J Laessoe
	7. Polycentric governance systems	M Krasny
9. Natural resources management	1. Intro to natural resources management	A Rodewald
	2. Biodiversity	F Thiemann
	3. Ecosystem services	R Gould
	4. Systems thinking	A Wals
	5. Social-ecological systems resilience	M Krasny
	6. Sustainability	A Wals
	7. Stewardship and restoration	M Krasny
	8. Adaptation/adaptive capacity	E Lee
	9. Ecosystem-based disaster risk reduction	K Sudmeier
	10. Adaptive and collaborative management	M Monroe
	11. Urban governance networks	J Enqvist
	12. Food security governance networks and learning	M Mukute
	13. Addressing climate change	M Estrella
	14. Incorporating humans in natural resources management	D Lanham