



COURSE OUTLINE

Global Environmental Change and Human Response

COURSE DESCRIPTION

Based on four components: global environmental change; sustainable development; biodiversity; and population impoverishment and environmental degradation. Lectures and discussion emphasize the causes of global change, the present and expected impacts on natural and social systems, and response strategies that have been proposed or enacted.

One of the main drivers of global environmental change is climate change. This course will first examine the science and impacts of climate change, particularly to oceans, freshwater, the atmosphere, and land uses. Energy is responsible for 80% of global greenhouse gas emissions, so we will go on to analyse the geography of socio-technical energy transitions. We will consider energy transitions as a complex socio-technical process of change. We will consider the drivers of energy transitions, decolonizing energy policy, the socioeconomic impacts of energy transitions, the different roles and experiences of rural and urban contexts. I have assembled a range of expert guest speakers for the course to enhance your learning experience.

About me:

I started at the University of Victoria in July 2021. I am cross-appointed to Geography and Civil Engineering. My research is focused on the geography of renewable energy transitions, energy justice and energy democracy. You can learn more about my research program at <https://socialexergy.ca/>

Course location: Cornett A125. Please check Bright Space for news if we move to online format.

Course times: Monday, Wednesday, 230- 350PM, January 10 to April 7 2022.

Office Hours: 11-1230 AM Wednesday

Office Location: DTB B124

Contact: cehoicka [at] uvic [dot] ca

Communication Policy : to ensure prompt and accurate responses, please follow the following email guidelines:

- x So that I can prioritize your emails and respond as quickly as possible, please use the subject heading "GEOG 314". This allows me to filter and prioritize your emails out of the hundreds of emails I receive on a weekly basis. I cannot guarantee providing a response to emails that do not have this subject heading.
- x Prior to sending an email, please review the course outline and the Brightspace website carefully. Answers that are contained in the course outline or on the Bright Space website may not be responded to.
- x Responses will be provided within three business days. Please plan accordingly.
- x For reasons of privacy and confidentiality, please email me from the email registered to

your Bright space account. In order for me to respond quickly and accurately to meet your needs, please always add your student number and full name to your email to me, along with the course number.

- x You are responsible for checking your email associated with your Bright Space account, and this is the email I may contact you through if I need to be in touch.
- x Content related questions will be discussed in class, or on online discussion forums with the entire group.

REQUIRED TEXT

There is no textbook to purchase for this course. All text for the course is available online for free or through the UVic library. These texts include reports from the Intergovernmental Panel on Climate Change and peer-reviewed journal articles or book chapters.

The specific reading for each class is posted on Brightspace.

RECOMMENDED TEXT

Recommended texts will be listed for each class as optional but not required further reading.

LEARNING OUTCOMES

By the end of this course, you should be able to:

- x Understand the science underlying biophysical and human dimensions of global environmental change and to explain and create strategies to mitigate and/or adapt to these changes.
- x Identify, examine and analyze key scientific debates about climate change and understand the various actor groups, values, and interests that shape global responses to climate change.
- x Explain different ecological, economic, and social impacts of the current trends in global environmental change and demonstrate the relationships among the issues.
- x Summarize and compare the range of approaches and tools proposed to mitigate and adapt to critical issues in the global environment by various local, provincial, national, and international actors.
- x Be able to meaningfully engage in debate about global environmental change and the possible responses, and critically assess the credibility of different proposals.
- x Use academic literature, lecture notes, and materials from class discussions and activities to research and develop a funding proposal to mitigate or adapt to climate change in a country that is aiming to access climate finance for sustainable development.

EVALUATION

Colleague points 10

Media assignment 20% (Due March 2, 2022)

Midterm exam 30% (February 11, 2022)

Final exam 40% (date TBD)

Colleague Points

Colleague points are provided for demonstration of collegial behaviour between peers and in the class. Students will receive colleague points for attending classes and contributing towards a positive and constructive learning environment. This includes providing feedback for how we structure the learning environment, as well as to ensure that we ask the guest speakers constructive questions.

Each student will take notes for class and upload their organized lecture notes to share with their classmates at least twice. The schedule will be set on bright space. The notes will be no less than 1 page and no more than 3 pages, single spaced, 12 point font, and will cover the summary and main findings of the readings, and

N	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.
---	---	-------	--

POSITIVITY AND SAFETY

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members.

SEXUALIZED VIOLENCE PREVENTION AND RESPONSE AT UVIC

UVic takes sexualized violence seriously, and has raised the bar for what is considered acceptable behaviour. We encourage students to learn more about how the university defines sexualized violence and its overall approach by visiting uvic.ca/sv. If you or someone you know has been impacted by sexualized violence and needs information, advice, and/or support please contact the sexualized violence resource office in Equity and Human Rights (EQHR). Whether or not you have been directly impacted, if you want to take part in the important prevention work taking place on campus, you can also reach out:

Where: Sexualized violence resource office in EQHR; Sedgewick C119

Phone: 250.721.8021

Email: svpcoordinator@uvic.ca

Web: uvic.ca/sv

5(2015/24)021@ca in 9 r t t (w 4 7 2 489 4 8 9 (a)7C TdD.3 (g)2.125)12.7 (Rm [01 Tc 0.003 Tw 33 0 T

i-3 (37 ail:)6.1 (((o)d)-0.7 -9-60 Tw (n)-0(kt)-96 (o)-9.6 e (p)-.C)Tj EMC /P <</.957 /Span 0.003.001 Tc 0.001 T

