

BCS 331: Issues of the Circumpolar World I

This course explores population trends in the circumpolar region, natural resource use and the economies of these communities, and economic ownership. This course will also provide students with an appreciation of the main challenges confronting the peoples and communities of the world's northern regions. This resource kit provides students and instructors with some contemporary resource materials that highlight Indigenous content or Indigenous impacts.



(Source: https://arcticeconomiccouncil.com/wp-content/uploads/2020/09/cropped-istock-1147760658_vindmoller-scaled-2.jpg)

Module 1: Basic Economic Concepts as Applied to the Circumpolar North

Articles: Chapters from Economy of the North

(See Duhaime, Everett, Lévesque, Wei, Baribeau, & Caron Social and economic conditions and inequalities in the Circumpolar Arctic. *The Economy of the North: ECONOR 2020* . https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor-versionSept21.pdf.)

(See Glomsrød, Wei Macdonald, Lindholt, Goldsmith, and Matthíasson. Arctic economies within the Arctic nations. In S. Glomsrød, D. Duhaime & I. Aslaksen (Eds.), *The Economy of the North: ECONOR 2020*. https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor-versionSept21.pdf

Traditional Inupiat economies

Video: <https://www.youtube.com/watch?v=HvtjOEOyqw0>

Website: [Adaptations for a changing Arctic aaca-bar-ovrpdf1.pdf](#)

Module 2: Changing Arctic Economies

The Impact of Oil

Book Chapters: Globalization and new Arctic economies

(See Natcher and Koivurova eds. Renewable economies in the Arctic. Routledge. 2022 - Chapter 2,3, 13 [Renewable Economies in the Arctic | David C. Natcher, Timo Koivurova | \(taylorfrancis.com\)](#))

Videos: <https://www.ft.com/video/92195d0c-de21-43b0-96ad-8e09a9c1991f>

<https://www.youtube.com/watch?v=2EgH0GpKlcY>

Module 3: Contemporary Issues within Small Scale Indigenous and Traditional Northern Economies

Module 4: Renewable Resource Economics 1

Modern economies and economic change

Article: *Renewable Economies in the Arctic*

(See Natcher and Koivurova eds. Renewable economies in the Arctic. Routledge. 2022 - Chapter 1,4,6,14 [Renewable Economies in the Arctic | David C. Natcher, Timo Koivurova | \(taylorfrancis.com\)](#))

Video: [This Is The Story Of Alaska Natives' Fight For Their Land \[Our Fight To Survive, Pt. 1\] | AJ+ \(youtube.com\)](#)

Indigenous resource economies

Website: [Natural Resources – NANA Regional Corporation](#)

Module 5: Renewable Resource Economics 2

Arctic tourism

Article: *Renewable Economies in the Arctic*

(See Natcher and Koivurova eds. Renewable economies in the Arctic. Routledge. 2022 - Chapter 5 [Renewable Economies in the Arctic | David C. Natcher, Timo Koivurova | \(taylorfrancis.com\)](#))

Video: Logging and Sami economies

[Saving forests and Sami culture – DW – 05/03/2023](#)

Video: Green Development

[Oribreeze CA V13 B6 16x9 VO1 \(youtube.com\)](#)

[How an Alaska village's switch to renewable energy helps local Native economies \(youtube.com\)](#)

Module 6: Non-Renewable Resource Economies of the North: Petroleum Extraction

Article : *The Future of Russian Arctic Oil and Gas Projects: Problems of Assessing the Prospects*

(See Chanysheva C. and A. Ilinova, The Future of Russian Arctic Oil and Gas Projects: Problems of Assessing the Prospects *J. Mar. Sci. Eng.* **2021**, 9(5), 528; <https://doi.org/10.3390/jmse9050528>)

Article: Impacts of Oil Spills on Arctic Marine Ecosystems

(See Inari Helle, I. et al. Impacts of Oil Spills on Arctic Marine Ecosystems: A Quantitative and Probabilistic Risk Assessment Perspective *Environmental Science & Technology* Vol 54 (4) [Impacts of Oil Spills on Arctic Marine Ecosystems: A Quantitative and Probabilistic Risk Assessment Perspective | Environmental Science & Technology \(acs.org\)](#))

Video : Oil and Gas in the Arctic | Ice Race | Free Documentary (youtube.com)

<https://www.youtube.com/watch?v=mjmmWf8XNvg&t=2798s>

Module 7: Non-Renewable Mining

Articles: Social and Indigenous dimensions of extractive industries Petrov, A.N. & Tysiachniouk, M.S. (2021). Benefit sharing in Arctic extractive industries. In S. Glomsrød, D. Duhaime & I. Aslaksen (Eds.), *The Economy of the North: ECONOR 2020* (pp. 114-115). https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor-versionSept21.pdf.

Saxinger, G. (2021). Social dimensions of mining in Yukon Territory. In S. Glomsrød, D. Duhaime & I. Aslaksen (Eds.), *The Economy of the North: ECONOR 2020* (pp. 116-119). [https://oaarchive.arctic-](https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor-versionSept21.pdf)

council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor-versionSept21.pdf

Module 8: Northern Economic Infrastructure

Article: *Transportation, infrastructure and permafrost degradation in the Arctic.*

(See Zamyatina, N., Macdonald, R., Pilyasov, A., Streletskiy, D., & Suter, L. (2020).

Transportation, infrastructure and permafrost degradation in the Arctic. In S. Glomsrød, D. Duhaime & I. Aslaksen (Eds.), *The economy of the North: ECONOR 2020* (pp. 171-183).

Arctic Council Secretariat. [https://oaarchive.arctic-](https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor.pdf)

[council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor.pdf](https://oaarchive.arctic-council.org/bitstream/handle/11374/2611/MMIS12_2021_REYKJAVIK_SDWG_Econor.pdf))

Article: *From state-initiated to Indigenous-driven infrastructure: The Inuvialuit and Canada's first highway to the Arctic Ocean*

(See Bennett, M From state-initiated to Indigenous-driven infrastructure: The Inuvialuit and

Canada's first highway to the Arctic Ocean. *World Development* Volume 109, September

2018 Pages 134-148. [From state-initiated to Indigenous-driven infrastructure: The](#)

[Inuvialuit and Canada's first highway to the Arctic Ocean - ScienceDirect](#)

Video: [APTN – Sealift Ship Arrives by SEETVdocs via YouTube \(approx. 2-minute runtime\)](#)

Module 9: Northern Social Infrastructure

Education

Article: Arctic education in the future

(See Määttä, K. and S. Uusiautti .Arctic Education in the Future in *Human Migration in the Future* (Springer) [978-981-13-6561-4.pdf](#))

Health

Article: *Accelerating Indigenous health and wellbeing: the Lancet Commission on Arctic and Northern Health*

(See *Lisa V Adams, Dalee Sambo Dorough, and the Executive Committee of the Lancet Commission on Arctic and Northern Health. *Accelerating Indigenous health and wellbeing: the Lancet Commission on Arctic and Northern Health*. February 12,

2022DOI:[https://doi.org/10.1016/S0140-6736\(22\)00153-2](https://doi.org/10.1016/S0140-6736(22)00153-2))

Blog: *Building the Broadband Bridge Between Arctic Providers and Peoples*

(See No. 1 | Building the Broadband Bridge Between Arctic Providers and Peoples | Wilson Center

<https://www.wilsoncenter.org/blog-post/no-1-building-broadband-bridge-between-arctic-providers-and-peoples>)

Book Chapter: Arctic broadband connectivity and the creative economy
Access, challenges, and opportunities in Nunavut and Alaska
in *Renewable Economies in the Arctic* Ch. 2

(See Pasch, T.J and O. Kuhlke Arctic broadband connectivity and the creative economy
Access, challenges, and opportunities in Nunavut and Alaska

<https://www.taylorfrancis.com/chapters/oa-edit/10.4324/9781003172406-2/arctic-broadband-connectivity-creative-economy-timothy-pasch-olaf-kuhlke?context=ubx&refId=2cc87d1a-284a-4b21-864d-41ae39cb2a64>)

Module 9: Climate Change and Economies

News Article: *Canadian Arctic Communities Save Costs and Carbon With Local Food Production | Technology Networks*

(See Technology News/Canadian Arctic Communities Save Costs and Carbon With Local Food Production. <https://www.technologynetworks.com/tn/news/canadian-arctic-communities-save-costs-and-carbon-with-local-food-production-389281>)

Video: CCTV America Documentary: 'On Thin Ice: the People of the North' (youtube.com)
(See <https://www.youtube.com/watch?v=N5ooFU5HosU&t=21s>).