The Earth's Changing Climate – Confronting the Challenge

Course Summary

This course will review and analyze the global impacts of the worsening climate crisis. After a brief overview of wildfires, heat waves, and extreme weather, the course will examine the geophysical and socioeconomic drivers that are causing these unprecedented changes in the global climate.

Solutions to the crisis will be presented and discussed, with a focus on renewable sources of energy, electrification, distributed systems, and energy efficiency. The dubious efficacy of hydrogen, carbon capture and storage, and direct air capture will be exposed. The diseconomies and problems associated with nuclear power will be illustrated, examined, and discussed.

The future impact of climate change on Canada is examined and measures to protect Canadians from the increasingly dangerous threats posed by the climate will be proposed.

The course will also look at the ways in which the fossil fuel industry has gone to great lengths to manufacture uncertainty and doubt, and why it has consistently characterized the science as unsettled. We show how educational materials supporting fossil fuels are even now finding their way into schools and curricula across north America.

Finally, we will examine what Canadians can do to counter the false narratives and discuss how people can take action: individually, within their community, and in the municipalities and provinces where they reside.

A total of eight 50-minute audio-visual presentations will be given on Zoom, each followed by a question-and-answer session.

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