

Climate Change Futures: Course Content

Week 1: What causes climate change?

- Human causes; natural forces; climate change over time

Week 2: Current effects of climate change (Part 1)

- Weather patterns changing
- Increasingly violent storms
- Draughts

Week 3: Current effects of climate change (Part 2) and near-term outlook

- Forest fires
- Sea level rise
- Near-term outlook

Week 4: Long-term outlook

- 2030s to 2048
- 2048 and beyond

Week 5: Solutions?

- Easy
 - *Electric vehicles
 - *Better insulation
 - Solar/wind/geothermal power
- Harder
 - End coal extraction and burning
 - End oil extraction and burning
 - End gas extraction and burning
 - End all fracking
- Currently unfeasible
 - Large-scale carbon removal
 - Co² disassembly (nanotechnology)