



Certificate of Achievement

Matthias Giger

has completed the following course:

CLIMATE CHANGE: THE SCIENCE
UNIVERSITY OF EXETER

This course explained the science of climate change and the impacts it is having on the Earth's natural and human systems. Learners critically reviewed the evidence for human impact on the climate and explored the ways that future climate can be projected.

4 weeks, 3 hours per week



Professor Tim Lenton
Chair in Climate Change/Earth System Science
University of Exeter



Dr Damien Mansell
Senior Lecturer in Physical Geography
University of Exeter



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from University of Exeter.

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CLIMATE CHANGE: THE SCIENCE
UNIVERSITY OF EXETER

90%
AVERAGE TEST
SCORE

This course explained the science of climate change and the impacts it is having on the Earth's natural and human systems. Learners critically reviewed the evidence for human impact on the climate and explored the ways that future climate can be projected.

STUDY REQUIREMENT

4 weeks, 3 hours per week

LEARNING OUTCOMES

- Describe the key principles of climate change
- Explore past climate change
- Identify signs of climate change
- Explain impacts on land and ocean systems
- Discuss future projections and modelling future scenarios

SYLLABUS

Week 1 - Feedbacks

- Introduction to Climate Science
- Fundamental feedbacks in the Climate System
- Human drivers of change

Week 2 - Evidence

- Ancient past climate change
- Recent past climate change
- Identifying signs of climate change

Week 3 - Impacts

- Impacts on the Cryosphere
- Impacts on the Oceans

Week 4 - Future

- Modelling future climate projections
- The 'Anthropocene' and the 'Great Acceleration'
- Taking action