UNIVERSITY OF EXETER

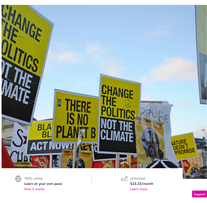
Climate Change: Solutions

4.4 (343 reviews)

Explore the potential solutions to climate change and how they relate to the UN's sustainable development goals.

Join course

25,238 enrolled on this course



Duration
4 weeks

Weekly study
3 hours

100% online
Learn at your own pace
View 4 weeks

Unlimited
$23.33/month
Learn more

Support

Discover solutions to climate change

Man-made climate change is one of the biggest threats to the world. The effects are already being seen through receding glaciers, ocean acidification and an increasingly vulnerable food supply. It's vital we work to find solutions to climate change.

On this course you will explore solutions to this global challenge, including mitigation, adaptation and geo-engineering, which can help avoid the most dangerous climate changes and increase the resilience of societies and ecosystems to climate changes that cannot be avoided.

View transcript

Download video: standard or HD

Syllabus

Week 1 — Climate Action
Show weekly breakdown

Week 2 — Life on land
Show weekly breakdown

Week 3 — Life below water
Show weekly breakdown

Week 4 — Sustainable cities and communities
Show weekly breakdown

When would you like to start?

Start straight away and learn at your own pace. If the course hasn't started yet you'll see the future date listed below.

Available now — Join today

Learning on this course

You can take this self-guided course and learn at your own pace. On every step of the course you can meet other learners, share your ideas and join in with active discussions in the comments.

What will you achieve?

By the end of the course, you'll be able to...

- Describe the sustainable development goals and their links to climate change
- Identify methods of making agriculture more sustainable and explore the viability of these methods
- Explain possible solutions to reducing ocean acidification
- Describe how buildings and cities can be designed to be more sustainable
- Explore responses to climate change: mitigation, adaptation and geoengineering
- Debate the viability of solutions that help strengthen the terrestrial biosphere carbon sink
- Discuss methods and policies being implemented to reduce plastic in oceans
- Apply the theme of 'sustainable communities' to the developing world

Who is the course for?

You don't need any prior knowledge of climate change, just an interest in science, nature and the environment. However it might be useful to have completed the sister course to this one: Climate Change: The Science.

Who will you learn with?

Tim Lenton
Professor Tim Lenton is Chair in Climate Change and Earth System Science at the University of Exeter. His research focuses on understanding the behaviour of the Earth as a whole system.

Damian Mansell
Senior Lecturer at The University of Exeter teaching geomatics (Mapping, GIS and Remote Sensing).
Educator on Climate Change: Challenges and Solutions
@DamianMansell
#DamianMansell

Liam Taylor
PhD student researching the impacts of climate change on our world
Course produce for University of Exeter Global Systems Institute
@LTaylor1995
http://liamtaylorgeographer.wordpress

Who developed the course?

University of Exeter
The University of Exeter is a Russell Group university. It combines world-class research with very high levels of student satisfaction.

Ways to learn

Choose the best way to learn for you!

	Upgrade this course	Unlimited (Recommended)	Basic access
	$64	$23.33/month	Free
	Unlock your expertise	Billed as $279.99 a year. Endless possibilities!	Try before you upgrade
Access to this course	✓	✓	Limited to 4 weeks
Access to ALL eligible short courses with additional benefits, for a year	✗	✓	✗
Discuss your learning in comments	✓	✓	✓
Tools to check your learning	✓	✓	✗
Certificate when you're eligible	Printed and digital	Digital only	✗
	Join and Upgrade	Join and buy Unlimited	Join with basic access

Find out more about Upgrades or Unlimited.

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- Stay motivated by using the Progress page to keep track of your step completion and assessment scores

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- Join the conversation by reading, lifting, liking, bookmarking and replying to comments from others

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- As you work through the course, use notifications and the Progress page to guide your learning
- Whenever you're ready, mark each step as complete, you're in control
- Complete 70% of course steps and all of the assessments to earn your certificate

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Learner reviews

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4.6
343 Reviews

343 reviews

Alice R. Verified learner — 03/16/20
★★★★★
Climate change - solutions
Interesting and informative course that covered a wide range of solutions to climate change for now and the future. Crop 3D was not included though, probably due the close dates.
Share — Was this review helpful? 1 0

John J. Verified learner — 03/14/20
★★★★★
A good course thoroughly enjoyed it.well
A good course I enjoyed it and learned from it
Share — Was this review helpful? 3 0

Richard H. Verified learner — 06/19/20
★★★★☆
Interesting and makes you think
Very topical. Some important issues and solutions are discussed making going a balanced review.
Share — Was this review helpful? 0 0

Thomas N. Verified learner — 06/18/20
★★★★★
Fantastic course
Very very insightful.
Share — Was this review helpful? 1 0

Mark W. Verified learner — 03/16/20
★★★★★
Solutions was not quite what I expected
The broad exhibit of the course took me slightly by surprise, but I was pleasantly surprised by the ideas explored and the contributions by all of the lecturers. There was nothing lost in the subject matter, but it was here we temporarily what we already know or do to ensure that we break lightly on our ever-used habitat. Thank you to the team Exeter and F. Read More
Share — Was this review helpful? 1 0

1 2 3 4 5 6 7 8 9 ... 17

Get a taste of this course

Find out what this course is like by previewing some of the course steps before you join:

1 of 4 — Article
Frack on, or frack off?

Do you know someone who'd love this course? Tell them about it...

You can use the hashtag #FLClimateSolutions to talk about this course on social media.

More courses you might like

Learners who joined this course have also enjoyed these courses.

University of Exeter
Climate Change: The Science
4.5 (2,000 reviews)
Learn about the science of climate change, the risks it poses and how human activity is changing our world.
3 weeks — 2 hrs per week
Included in Unlimited
Find out more

University of Michigan
Beyond the Sustainable Development Goals (SDGs): Addressing Sustainability and Development
Explore the sustainable development goals and solutions to pressing global issues by understanding and analyzing the SDGs.
3 weeks — 2 hrs per week
Included in Unlimited
Find out more

Lancaster University
Soils: Introducing the World Beneath Our Feet
4.7 (214 reviews)
Learn about soils, the variety of life they contain and how humans impact this hidden ecosystem with this free online course.
3 weeks — 2 hrs per week
Included in Unlimited
Find out more

Browse more in Nature & Environment and Science, Engineering & Maths
Climate Change · Earth Science

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Earn professional or academic accreditation

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