



Certificate of Achievement

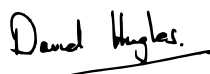
Matthias Giger

has completed the following course:

CLIMATE RESILIENCE AND ADAPTATION FOR RURAL ROADS
UNIVERSITY OF BIRMINGHAM


This course highlighted the impact that changes due to climate change on temperature, rainfall and wind speed has on the design and maintenance of low volume rural roads. It considered how planners, designers and managers of rural road infrastructures must keep up-to-date with these changes.

3 weeks, 3 hours per week



David Hughes
Course Lead Educator
University of Birmingham

**UNIVERSITY OF
BIRMINGHAM**



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 certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.

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has completed the following course:

CLIMATE RESILIENCE AND ADAPTATION FOR RURAL ROADS UNIVERSITY OF BIRMINGHAM

80%
OVERALL
SCORE

This course highlighted the impact that changes due to climate change on temperature, rainfall and wind speed has on the design and maintenance of low volume rural roads. It considered how planners, designers and managers of rural road infrastructures must keep up-to-date with these changes. It discussed the need for an understanding of the likelihood of significant weather events. It investigated the implications on the financing, design, and maintenance of rural roads in the future.

STUDY REQUIREMENT

3 weeks, 3 hours per week

LEARNING OUTCOMES

- Explore research from the Research for Community Access Partnership (ReCAP) on rural roads.
- Identify the anthropogenic causes of Climate change and global warming and have a basic understanding of the science that underpins climate change.
- Assess how confidently climate change tools can be used to predict the most likely regional climate change events and the anticipated impact on rural roads.
- Develop a range of maintenance and rehabilitation strategies and approaches to adapt the rural road network to climate change events and mitigate against damage and loss of function.
- Explain effectively (to stakeholders and national strategic transport planners) the importance of appropriate planning for Climate change and adoption of climate adaptation procedures.

SYLLABUS

Climate related issues which might affect the design, construction and maintenance of low volume rural roads.

The Impact on the socio-economic situation of those reliant on low volume rural roads.

How the changing climate affects the impact of the design.

How the design, construction and maintenance of low volume rural roads can be modified to increase their climate resilience.