



Certificate of Achievement


Jeroen Linnenbank

has completed the following course:

**SOLVING THE ENERGY PUZZLE: A MULTIDISCIPLINARY APPROACH TO ENERGY TRANSITION
UNIVERSITY OF GRONINGEN**

This course explored the technological, legal, economic, spatial, and social considerations of energy transition.


7 weeks, 4 hours per week



Prof. dr. André Faaij
Distinguished Professor of Energy System Analysis
University of Groningen



university of
 groningen



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.

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89%
AVERAGE TEST
SCORE

This course provided a multidisciplinary approach to examine the energy transition question from different perspectives. The course started with introducing the major sustainability issues around the global energy system. Next the course considered economic, environmental, legal, technological, social, and spatial aspects of the energy transition. Also, different possible pathways were evaluated. The course ended with an individual assignment about energy transition.

STUDY REQUIREMENT

7 weeks, 4 hours per week

LEARNING OUTCOMES

- Identify the major sustainability issues around the global energy system and the necessity of the energy transition.
- Explain energy systems structure, content and performance.
- Explain that the economics of energy transition is about giving incentives to energy producers and consumers to make other decisions.
- Identify the basic principles of energy law.
- Explain the spatial consequences of shifting towards a renewable energy system with sensitivity to specific regional or local circumstances.
- Describe the human dimensions of sustainable energy systems.
- Apply the methods and skills from different perspectives of energy transition in an analysis of the energy transition issues in the learner's country

SYLLABUS

- Energy transition and sustainability

- Technical aspects of energy transition
- Spatial Planning
- Integrated Energy System
- Psychological aspect of energy transition
- Law aspect of energy transition
- Energy Systems
- Economic aspect of energy transition