



22 items

General reading for the module (1 items)

Recommended textbook (1 items)

Renewable energy: physics, engineering, environmental impacts, economics and planning, by Bent Sorensen, 2017

Book | An exhaustive text of nearly 1000 pages covering most areas of interest from the fundamentals of

what energy is and of specific renewables to the socioeconomic context and life cycle analysis. An earlier edition of this book is also available from the Library

Week 1-2: The context for green technologies and examples of clean energy (4 items)

Recommended textbooks (2 items)

Fueling our future: an introduction to sustainable energy, by Robert L. Evans, 2007 Book | A useful overview of the sustainable energy context and various technologies

Wind energy explained: theory, design and application, by J. F. Manwell; J. G. McGowan; Anthony L. Rogers, 2009 Book | Wind energy

Further reading (2 items)

Tomorrow's energy: hydrogen, fuel cells, and the prospects for a cleaner planet, by Peter Hoffmann; Byron L. Dorgan, 2012

Book | Focus on the example of hydrogen as a clean fuel technology.

Nuclear or not **?:** does nuclear power have a place in a sustainable energy future**?**, by David Elliott, 2007

Book | Focus on the contentious example of nuclear power as a clean energy technology

Week 3: Case study: coastal and ocean renewable energy (1 items)

Recommended reading (1 items)

Review of ocean tidal, wave and thermal energy technologies - in Renewable and Sustainable Energy Reviews, by N. Khan; A. Kalair; N. Abas; A. Haider, 2017 Article | 2017 review of the state-of-the-art in ocean-based clean energy sources: from tidal and wave power to ocean thermal energy conversion and ocean thermo-electric generators

Week 5: Clean technology in context I: international frameworks and standards (2 items)

Recommended reading (2 items)

Overview of European Union climate and energy policies, by Ea Energy Analysis, 2012 Document | A useful introduction to the European Union policy framework for clean energy technologies

Reducing Energy Demand: What Are the Practical Limits? - in Environmental Science & Technology, by Jonathan M. Cullen; Julian M. Allwood; Edward H. Borgstein, 2011 Article | Review of energy demand reduction as a policy and programme

Week 6: Clean technology in contect II: the built environment and social issues (1 items)

Recommended reading (1 items)

Home Truths: A Low-Carbon Strategy to Reduce UK Housing Emissions by 80% by 2050, by Brenda Boardman, 2007

Document | As stated in the foreword: "a comprehensive action plan for massive carbon emission reductions from UK homes in a way which supports the needs of the poorest and most vulnerable"

Week 8: Communicating your research (2 items)

Further reading (1 items)

Preparing and Presenting Effective Research Posters - in Health Services Research, by Jane E. Miller, 2007

Article | A useful short paper with comparisons of good and bad ways of representing the same statement or data on a poster

Recommended textbook (1 items)

How to do your essays, exams and coursework in geography and related disciplines, by Peter G. Knight; A. J. Parsons, 2003

Book | A short overview of how to design your poster: see chapter 17 for "How do I Prepare a Poster Presentation?"

Books used in previous years for research by students (11 items)

These are just a few of the many books available via the Keele University Library (either as e-books or

physical copies) that have been used by previous students in their research.

Renewable energy: a global review of technologies, policies and markets, by Dirk

Assmann; Ulrich Laumanns; Dieter Uh, 2006

Book

Energy and environment in architecture: a technical design guide, by Nick Baker; Koen Steemers, 2000

Book

Renewable energy: power for a sustainable future, edited by Stephen Peake, 2018 Book | An earlier edition of this book is also available from the Library.

Energy, society, and environment: technology for a sustainable future, by David Elliott, 2003

Book An earlier edition of this book is also available from the Library

Energy systems and sustainability: power for a sustainable future, by Bob Everett; Open University, 2012

Book An earlier edition of this book is also available from the Library

Sustainable solutions for modern economies, by Rainer

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fer; Royal Society of Chemistry (Great Britain), 2009

Book

Sustainable energy - without the hot air, by David J.C. MacKay, 2009 Book

Biofuels: biotechnology, chemistry, and sustainable development, by David M. Mousdale, 2008

Book

Understanding renewable energy systems, by Volker Quaschning, 2005 Book

Energy studies, by William Shepherd; D.W. Shepherd, 2014 **Book** | PLEASE NOTE: the hard copy of the 3rd edition (2014) and the e-book of the 2nd edition (2000) are both available from the Library Renewable energy resources, by John W. Twidell; Tony Weir, 2015 Book | An earlier edition of this book is also available from the Library