Sustainable Environmental Design Programme

Reading Lists 2005/06

This reading list has been given to the library by a unit tutor or is compiled from the 2005/6 Course Booklet. We have placed the list on the internet in the form that we received it.

Please note that the library does not necessarily hold all the books included on this reading list and that only a percentage of items maybe held on the unit Programme Shelf. For location details please consult the library catalogue.

The list is subdivided into topic categories relating to the programme’s lecture series and project work. Topics are listed alphabetically. Some of the books and most of the conference proceedings listed below contain material which is relevant to more than one of the programme’s lecture series.

**Built examples, Case Studies**


* see also IDEA software which includes 60 low energy building case studies in the Course Software list in the following section.

* see also Periodicals

* see also: Building Studies Projects from previous years

* see also: List of Web sites below
**Climatology, Urban Climatology, Microclimatic Design**


*see also* : List of Web sites below

**Comfort Thermal & Visual, Adaptive Response, Environmental Psychology**


*see also* IDEA software which includes a Comfort module in the Course *Software* list in the following section.

*see also* : List of Web sites below

**Conference Proceedings**


*see AA Library for previous PLEA Conferences since 1982.

*see also* : List of Web sites below
**Engineering**


*see also: List of Web sites below*

**Environmental Sustainability Issues & Theories**


**Environmental Design Principles**

*see also Passive heating/cooling, Daylighting, Solar Control etc below*


*see also : List of Web sites below*
Environmental Assessment, Life Cycle Costing, Materials


Lighting, Daylighting


see also : List of Web sites below

Passive Heating & Cooling


see also : List of Web sites below
Periodicals

The **Architects’ Journal** (weekly) Emap Architecture, London. Regular features on environmental issues and on new buildings with environmental features.

The **Architectural Review** (monthly). Emap Architecture, London. See for example the following issues that are devoted to environment-related architectural topics:

- No. 1301 (2005) Thinking Green
- No. 1276 (2003) Hot Stuff (designs for warm climates)
- No. 1237 (2000) Light
- No. 1195 (1996) Sustainable Architecture
- No. 1169 (1994) Energy Matters
- No. 1152 (1993) Natural Sources
- No. 1132 (1991) Architecture and Climate
- No. 1123 (1990) Green Architecture

**Solar Geometry, Shading, Solar Control**
*(see also Lighting, Daylighting; Passive heating & Cooling)*


Software, Design Support Tools

ASHRAE. *Handbook of Fundamentals*. American Society of Heating Refrigerating and Air Conditioning Engineers.


For list of software used by AA E+E MArch and MSc on project work and as learning tools see 9.3.

Ventilation


[see also : www.brunel.ac.uk/research/solvent]
Websites

Advanced Building Technologies
www.advancedbuildings.org/

http://www.ntua.gr/arch/geometry/tns/NTUA-AA.97/
http://www.ntua.gr/arch/geometry/NTUA-AA.99/
http://www.ntua.gr/arch/geometry/NTUA-AA.00/

British Library
http://www.bl.uk/
http://opac97.bl.uk/

Building Green
Environmental building news
www.buildinggreen.com

Building Research Establishment (BRE)
www.bre.co.uk

Building Environmental Science and Technology
www.nrg-builder.com/

CIBSE
www.cibse.org

Construction Resources
Ecological building materials
www.constructionresources.com/

Department of the Environment, UK: Sustainable development, building regulations, etc.
www.defra.gov.uk
www.sustainable-development.gov.uk

Earth Systems Environmental Virtual Library
http://earthsystems.org/Environment.shtml

ECOark Environmentally Friendly Projects and Urban Ecology Initiatives (Norway)
www.ecoarc.net

EcoNet

EC ventilation research
www.brunel.ac.uk/research/solvent

Energy and Resource Efficiency Links
http://www.nrg-builder.com/e-links.htm

Environment Related Web Sites
http://www.envision/osites/environ/envrelat.html

Energy Solutions for Cities, US DOE
http://www.eren.doe.gov./cities_counties/

European Commission Sustainable Energy Research & Development Information
http://www.cordis.lu/sustdev/energy/home.html/

European Union
Information on all topics
http://europa.eu.int

Eurostat European Statistics
http://europa.eu.int/comm/eurostat/

Florida Solar Energy Center
Building Case Studies and other information
www.fsec.ucf.edu/bldg/baihp/casestud/index.htm

Global Eco-Village Network
www.gaia.org/index.htm
Google Search engine (see also Google Earth)
www.google.com

Housing Energy Efficiency, UK
www.housingenergy.org.uk

International Council for Local Environmental Initiatives
www.iclei.org

International Energy Agency Renewable Energy Projects
CADDET International Information and Project Examples on biomass, geothermal, waste, hydro, wind, solar, PV
http://www.cadDET-re.org/

International Institute for Sustainable Development
www.iisd1.iisd.ca

International Union of Architects
www.uia-architecture.org

Lawrence Berkeley Laboratory,
Environmental Energy Technologies and Urban Heat Island Project
http://www.eande.lbl.gov/EE.html#labs

London Ecological Footprint
www.citylimitslondon.com

Macquarie University’s Adaptive Comfort Project
http://atmos.es.mq.edu.au/~rdeear/ashrae_rp884_home.html

MURE
European Research on Energy use in buildings
www.mure2.com/Mr-fr5.htm

NCEUB Network for Comfort and Energy Use in Buildings
www.nceub.org.uk

Open University
www.open.ac.uk

PLEA (Passive and Low Energy Architecture) Home Site
http://www.plea-arch.org

PLEA 2005 Conference
www.ndu.edu.lb/newsandevents/plea2005/

PLEA 2006 Conference
www.unige.ch/formcont/plea2006/

RETScreen
Renewable Energy Project Analysis Software
http://retscreen.gc.ca

RIBA Royal Institute of British Architects (Student membership)
http://members.riba.org/student

Scirus search engine for scientific papers
www.scirus.com

Solstice Online source for sustainable energy information
(includes Renewable Energy Education Module)
http://solstice.crest.org

Square 1 Home site of Ecotect and other software; textbook material on principles
www.squ1.com

Sustainable Development Gateway
http://sdgateway.net

UK Weather Information Site
http://www.weather.org.uk/index.htm

United Nations Environment & Climate Change Programme UNEP
http://www.unep.ch/iucc/

US Department of Energy National Renewable Energy Laboratory (NREL)
http://www.nrel.gov
Urban Planning, VTT Technical Research Centre of Finland
http://www.vtt.fi/yki/yki4e.htm

World Meteorological Organisation
http://www.wmo.ch