

# Global Learning Semesters

## Course Syllabus

Course: DES-522 Environmental Design

Department: Design

Host Institution: University of Nicosia, Nicosia, Cyprus



| Course Summary    |                      |                          |
|-------------------|----------------------|--------------------------|
| Course Code       | Course Title         | Recommended Credit Hours |
| DES-522           | Environmental Design | 3                        |
| Semester Offered  | Contact Hours        | Prerequisites            |
| Please contact us | 42-45                | Graduate Standing        |
| Department        | Level of Course      | Language of Instruction  |
| Design            | Upper Division       | English                  |

### Prerequisites

Graduate Standing

### Topic Areas

1. Energy efficiency
2. Climatic design
3. Natural ventilation
4. Natural lighting
5. Passive building design
6. Thermal comfort
7. Environmental health

### Readings and Resources

#### Recommended Reading

- Balaras C. A Guide for energy conservation in residential buildings.
- Johnston D (2000), Building Green. Homebuilder press. Washington
- Watson. D, Labs. K. Climatic design.
- Boutet, S. Controlling air movement.
- Commission of the European communities (1998) Daylight in Architecture. Uk
- Mcharg, Lan. Design with Nature
- Stitt, F (1999). Ecological Design Handbook.
- Bansal, H, Hauser, G (1994) passive building design. Elsevier science
- Grimm, F (1997) Solar Architecture
- Allard, F (1998) Natural Ventilation in Buildings. James &James. U.K
- European commission (1998) The climatic dwelling. U.K
- Fretwell, J (1999) Environmental Design. Yale press ltd, London
- Brundrett. G.W. (1998) Energy Efficiency in Buildings. First choice. U.K