

## TECHNICAL STUDIES SECOND YEAR READING LIST 2012/13

This reading list has been given to the library by the course tutor. Please note that the library holds as many items as possible from this list, however if any items are not held in the library's collection, these may be requested via Inter-library loan at the issue desk.

Some items may be shared with other programmes or located in other parts of the library. For location details please consult the online library catalogue.

### Term 1

#### STRUCTURES

#### PHILIP A.R. COOPER AND ANDERSON INGE

#### Structures Reference Books:

- Understanding Structures, by Derek Seward, 2003, Publ. Basingstoke: MacMillan
- Shaping structures : statics, by Waclaw Zalewski and Edward Allen; drawings by Joseph Iano. Publ. London : Wiley, c1998.
- Tony Hunts Structures Notebook, by Tony Hunt, 2003. Oxford: Architectural Press.
- onstructing Architecture: Materials, Processes, Structures, by Andrea Deplazes (Editor). Publ. Birkhauser Verlag AG, ISBN: 3764371897.
- Building Construction Illustrated, by Francis Ching and Cassandra Adams, (ed). 2001. Publ. London: Wiley.
- Philosophy of Structure, E. Torroja
- Structural Mechanics: a revision of structural mechanics, by W. Morgan, D.T. Williams, Frank Durka, 1996, 5th Edition. publ. Longmans
- Structural Decisions, the basic principles of structural theory, Werner Rosenthal
- Structure and Form in Modern Architecture, by Siegel.
- Architectural Structures: an introduction to structural mechanics, Henry J. Cowan, 1976
- Structure in Architecture: history, design and innovation, by Rowland J. Mainstone, 1999. Publ. Aldershot: Ashgate.
- Structure in Architecture, the building of buildings, by Mario Salvadori. 1975. Publ. Englewood Cliffs: Prentice-Hall.
- Why Buildings Stand Up, by Mario Salvadori. 1990. Publ. London: WW Norton.

### Term 2

#### **Compulsory Course for all 2<sup>nd</sup> Year students: MATERIALS CAROLINA BARTRAM with NINA TABINK**

- 'The new science of strong materials or why you don't fall through the floor' J.E Gordon, publ. Penguin Books.
- 'Philosophy of Structures' E Torroja, publ. University of California Press 1962.
- 'On growth and form' D'Arcy Thompson, publ. Cambridge University press, 1961.
- 'Materials Selection in Mechanical Design' Ashby, publ. Butterworth-Heinemann.
- 'Glass in Buildings' Button and Pye, publ Butterworth.
- 'Why Buildings fall down' Levy and Salvadori, publ. W.W. North and Co.

- 'Structural Glass' Rice and Dutton, publ. Spon.
- Institution of Structural Engineers Technical Guides – Structural Glass Building for a Sustainable Future
- 'Materials for Design' Victoria Ballard Bell, publ. Princeton University Press
- 'Cradle to Cradle: Remaking the Way We Make Things' William McDonough and Michael Braungart

### Websites

<http://www.materia.nl/>

<http://transstudio.com/>

### **Term 2**

### **Compulsory Course for all 2<sup>nd</sup> Year students: ENVIRONMENTAL DESIGN IN PRACTICE GILES BRUCE**

#### Suggested reading :

- Bruce, G. (2008), High Density, Low Energy : Achieving useful solar access for Dublin's multi-storey apartment developments. Proc. PLEA 2008 – 25th Conference on Passive and Low Energy Architecture, Dublin, 22nd to 24th October 2008
- O'Cofaigh, E. et al (1995). The Climatic Dwelling. James & James Science Publishers, London.
- Bill Dunster Architects (2003). From A to Zed. Realising Zero (fossil) Energy Developments. BDA, London.
- CIBSE (2005). Natural Ventilation in Non-Domestic Buildings. Applications Manual AM10. Chartered Institution of Building Services Engineers, London.
- Energy Research Group et al (Eds. 1999) A Green Vitruvius. Principles and Practice of Sustainable Architectural Design. James & James Ltd. London.
- Littlefair, P. et al (2000). Environmental Site Layout Planning: solar access, microclimate and passive cooling in urban areas. Building Research Establishment, BR 380.
- Roaf, S. et al (2001). Ecohouse: a design guide. Architectural Press.
- Ward, Ian C (2004), Energy and Environmental Issues for the Practicing Architect, A guide to help at the initial Design Stage. Thomas Telford Publishing, London.
- [http://www.futerra.co.uk/revolution/leading\\_thinking](http://www.futerra.co.uk/revolution/leading_thinking)



Studies in Second Language Acquisition: Email alerts: [Click here](#) Subscriptions: [Click here](#) Commercial reprints: [Click here](#) Terms of use  
: [Click here](#). The roles of phonological shortterm memory and working memory in L2 grammar and vocabulary learning.Â Thirteen  
sentences were repeated from Set 1, 13 were repeated from Set 2, and 24 were completely novel (examples are listed in Appendix C  
under Generalization Set [GS]). The novel sen-tences of the GS each used at least one new plural form that partici-pants had not yet  
encountered.Â Nonword repetitiona Nonword recognitiona WM Age Total years studied Describe Grammar Rule for Plurals Initial  
vocabularyb TP vocabulary GS vocabulary overall. GS vocabulary production.