

Architectural Technology 1 (Semester 1 and 2)

[View Online](#)

Ashby, M.F. and Johnson, K. (2002a) *Materials and design: the art and science of material selection in product design*. Oxford: Butterworth-Heinemann.

Ashby, M.F. and Johnson, K. (2002b) *Materials and design: the art and science of material selection in product design* [electronic resource]. Oxford: Butterworth-Heinemann.

Available at:

<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780080468655&uid=^u>.

Ashby, M.F. and Johnson, K. (2009) *Materials and design: the art and science of material selection in product design*. 2nd ed. Oxford: Butterworth-Heinemann.

Barker, T. (1997) *Lighting: lighting design in architecture*. London: Batsford.

Berge, B. (2000) *The ecology of building materials*. Oxford: Butterworth-Heinemann.

Berge, B. (2001) *The ecology of building materials*. Oxford: Butterworth-Heinemann.

Berge, B. (2009a) *The ecology of building materials* [electronic resource]. Second edition. Oxford, UK: Elsevier/Architectural Press. Available at:

<https://linker2.worldcat.org/?jHome=https%3A%2F%2Foxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fsearch.ebscohost.com%2Flogin.aspx%3Fdirect%3Dtrue%26scope%3Dsite%26db%3Dnlebk%26AN%3D279640&linktype=best&jHomeSig=54282cc001e655fe6f3b4ad4bba629d9598222fe860cc673ce71874e9266c736>.

Berge, B. (2009b) *The ecology of building materials*. 2nd ed. Oxford: Elsevier Architectural.

Blanc, A., McEvoy, M. and Plank, R. (1993) *Architecture and construction in steel*. London: Spon.

Brookes, A. and Grech, C. (1996) *The Building envelope: and, Connections*. Oxford: Architectural Press.

Brown, G.Z. and DeKay, M. (2001) *Sun, wind & light: architectural design strategies*. 2nd ed. New York: John Wiley.

Burberry, P. (1997) *Environment and services*. 8th ed. Harlow: Longman.

Buxton, P. (ed.) (2015a) *Metric handbook: planning and design data* [electronic resource]. Fifth edition. London: Routledge. Available at:

<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781315759333&uid=^u>.

Buxton, P. (2015b) *Metric handbook: planning and design data*. Fifth edition. London: Routledge/Taylor & Francis Group.

Dean, Y. (1996) *Materials technology*. Harlow: Longman.

DeKay, M., Brown, G.Z. and Cartwright, V. (2014) *Sun, wind & light [electronic resource : barchitectural design strategies]*. Third edition. Edited by S. Bennett. Hoboken, New Jersey: Wiley. Available at:
<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781118332887&uid=^u>.

Deplazes, A. (2005) *Constructing architecture: materials, processes, structures : a handbook*. Basel: Birkha

user.

Eidgeno

ssische Technische Hochschule
Zu

rich. Departement Architektur (2013) *Constructing architecture: materials, processes, structures : a handbook*. Third, extended edition. Edited by A. Deplazes. Basel: Birkha

user Verlag.

Emmitt, S. and Gorse, C.A. (2014) *Barry's advanced construction of buildings*. Third edition. Chichester: Wiley-Blackwell.

Emmitt, S., Gorse, C.A. and Barry, R. (2014a) *Barry's advanced construction of buildings [electronic resource]*. Third edition. Chichester: John Wiley & Sons Inc. Available at:
<https://oxfordbrookes.on.worldcat.org/oclc/868981452>.

Emmitt, S., Gorse, C.A. and Barry, R. (2014b) *Barry's introduction to construction of buildings*. Third edition. Chichester, West Sussex: Wiley Blackwell.

Emmitt, S., Gorse, C.A. and Barry, R. (2014c) *Barry's introduction to construction of buildings [electronic resource]*. Third edition. Chichester: John Wiley & Sons Inc. Available at:
<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781118856680&uid=^u>.

Farrelly, L. (2009) *Construction + materiality*. Lausanne: AVA.

Foster, J.S. and Greeno, R. (2007a) *Structure and fabric [electronic resource]*. 7th ed. Harlow: Pearson/Prentice Hall. Available at:
<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780273118880&uid=^u>.

nreader?id=OxfBrookes&isbn=9781405891127&uid=^u.

Foster, J.S. and Greeno, R. (2007b) *Structure and fabric: Part 1*. 7th ed. Harlow: Pearson Prentice Hall.

Foster, J.S., Harington, R. and Greeno, R. (2007) *Structure and fabric: Part 2*. 7th ed. Harlow: Pearson Prentice Hall.

Foster, J.S. and MyiLibrary (2007) *Mitchell's structure and fabric: part 2* [electronic resource]. 7th ed. Harlow: Pearson Education Limited. Available at: <https://oxfordbrookes.idm.oclc.org/login?url=https://ebookcentral.proquest.com/lib/brookes/detail.action?docID=4977173>.

Gauld, B.J.B. (1995) *Structures for architects*. 3rd ed. Harlow: Longman Scientific & Technical. Available at: <https://oxfordbrookes.on.worldcat.org/oclc/31969810>.

Gordon, J.E. (1991a) *Structures: or why things don't fall down*. London: Penguin.

Gordon, J.E. (1991b) *The New science of strong materials: or why you don't fall through the floor*. 2nd ed. Harmondsworth: Penguin.

Gordon, J.E. (2003) *Structures, or, Why things don't fall down*. 2nd Da Capo Press ed. New York: Da Capo Press. Available at: <http://www.loc.gov/catdir/enhancements/fy0830/2004556458-b.html>.

Gordon, J.E. (2006) *The new science of strong materials: or why you don't fall through the floor*. rev ed. Princeton: Princeton University Press.

Goulding, J.R. et al. (1992) *Energy conscious design: a primer for architects*. London: Batsford for the Commission of the European Communities.

Groa

k, S. (1992) *The idea of building: thought and action in the design and production of buildings*. London: E. & F. N. Spon. Available at: <https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=169734>.

Hasman, M. (2023) *RIBA climate guide*. London: RIBA Publishing. Available at: <https://doi.org/10.4324/9781003382485>.

Ichioaka, S. and Pawlyn, M. (2021) *Flourish: design paradigms for our planetary emergency*. First edition. Axminster, England: Triarchy Press.

Jenkins, D. and Dezart, L. (1993) *Architects' working details*. London: Emap Construct.

Kwok, A.G. and Grondzik, W.T. (2007) *The green studio handbook*. Oxford: Architectural.

Kwok, A.G. and Grondzik, W.T. (2011) *The green studio handbook: environmental strategies for schematic design*. 2nd ed. Oxford: Architectural.

Lam, W.M.C. and Ripman, C.H. (1977) *Perception and lighting as formgivers for*

architecture. New York: McGraw-Hill.

Lechner, N. (2009) Heating, cooling, lighting: sustainable design methods for architects. 3rd ed. Hoboken, N.J.: Wiley.

Lechner, N. (2015) Heating, cooling, lighting: sustainable design methods for architects [electronic resource]. Fourth edition. Hoboken, New Jersey: Wiley. Available at: <https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781118821725&uid=^u>.

Lyle, J.T. (2008) Regenerative Design for Sustainable Development. New York: John Wiley & Sons Inc.

Lynes, J.A. (1968) Principles of Natural Lighting.

Lyons, A. (2006) Materials for architects and builders. 3rd ed. Oxford: Butterworth-Heinemann.

Lyons, A. (2014) Materials for architects and builders. Fifth edition. London: Routledge.

Mang, P. and Haggard, B. (2016) Regenerative development and design: a framework for evolving sustainability. Hoboken, NJ: Wiley.

McDonough, W. and Braungart, M. (2002) Cradle to cradle : remaking the way we make things. 1st ed. New York: North Point Press.

McMullan, R. (2017) Environmental Science in Building. Eighth edition. London: Palgrave.

Mollison, B.C. (1988) Permaculture : a designer's manual. Tyalgum, Australia: Tagari Publications.

Mostafavi, M., Leatherbarrow, D., and David (1993) On weathering: the life of buildings in time. Cambridge, Mass: MIT Press.

Muller, B. et al. (2014) Ecology and the architectural imagination. New York: Routledge.

Pelsmakers, S. (2012) The environmental design pocketbook. London: RIBA.

Pelsmakers, S. (2015) The environmental design pocketbook. Second edition. London: RIBA Publishing.

Pelsmakers, S. et al. (2022) Designing for the climate emergency: a guide for architecture students. London: RIBA Publications. Available at: <https://doi.org/10.4324/9781003297246>.

Raworth, K. (2017) Doughnut economics: seven ways to think like a 21st-century economist. London: Random House Business Books.

Sassi, P. (2006) Strategies for sustainable architecture. Abingdon: Taylor & Francis.

Schittich, C. (1999) Glass construction manual. Basel: Birkhauser.

Schittich, C. (2003) Solar architecture: strategies, visions, concepts.

Mu

nchen: Edition Detail. Available at:

<https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=1075574>.

Schittich, C. (2006) Building skins. Rev. ed.

Mu

nchen: Edition DETAIL. Available at:

<https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=3045464>.

Schittich, C. (ed.) (2012) Building simply two: sustainable, cost-efficient, local [electronic resource]. Munich, Germany: Edition DETAIL, Institut für internationale

Architektur-Dokumentation. Available at:

<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9783955531737&uid=^u>.

Schittich, C. and DETAIL. (2007) Glass construction manual. 2nd rev. and expanded edition. Basel: Birkhäuser. Available at:

<https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=1075514>.

Schittich, C. and Musso, F. (2005) Building simply. Basel:

Birkhäuser.

user. Available at:

<https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?docID=1075553>.

Silver, P. and McLean, W. (2008) Introduction to architectural technology. London: Laurence King.

Silver, P. and McLean, W. (2013) Introduction to architectural technology. Second edition. London: Laurence King Publishing.

Szokolay, S.V. (2014a) Introduction to architectural science: the basis of sustainable design. Third edition. London: Routledge.

Szokolay, S.V. (2014b) Introduction to architectural science: the basis of sustainable design [electronic resource]. Third edition. London: Routledge. Available at:

<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781315852409&uid=^u>.

Thomas, K.L. (2007) Material matters: architecture and material practice. London: Routledge.

Thomas, R. (1999) Environmental design: an introduction for architects and engineers. 2nd ed. New York: E & FN Spon.

Thomas, R. (2006) Environmental design: an introduction for architects and engineers. 3rd ed. Abingdon: Taylor and Francis.

Watts, A. (2005a) Modern construction facades. Wien: Springer.

Watts, A. (2005b) Modern construction roofs. Wien: Springer.

Watts, A. (2014a) Modern construction envelopes. Second edition. Wien: Ambra.

Watts, A. (2014b) Modern construction envelopes. Second edition. Wien: Ambra. Available at:
<https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9783990436042&uid=^u>.

Woolley, T. (1997) Green building handbook : a guide to building products and their impact on the environment, Vol. 1 [electronic resource]. [London]: E & FN Spon. Available at:
<https://linker2.worldcat.org/?jHome=https%3A%2F%2Foxfordbrookes.idm.oclc.org%2Flogin%3Furl%3Dhttps%3A%2F%2Fsearch.ebscohost.com%2Flogin.aspx%3Fdirect%3Dtrue%26scope%3Dsite%26db%3Dnlebk%26AN%3D76826&linktype=best&jHomeSig=f855b35e684367b89c6a0ed357f95cc20d0d3184219c4f294d7029d128b6901e>.

Woolley, T. et al. (2015) Green building handbook: a guide to building products and their impact on the environment, Volume 1. London: Routledge.

Woolley, T. and Association of Community Technical Aid Centres (1997) Green building handbook. Vol. 1. London: E & FN Spon.

Woolley, T. and Kimmins, S. (2000) Green building handbook Vol. 2. London: E. & F. N. Spon.