

U R B A N D E S I G N S E M I N A R 1

ARCH 602 (3-1-8)
URBP 602 (4-0-5)
Fall 2013
Monday/Wednesday 11h35-13h25 (MDHAR 207)

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Regular office hours : Monday 14h-16h

READING LIST FOR TOPIC 15

Winter cities and climate-responsive design: examining the roles of norms, standards, and performance principles in urban design

A. REQUIRED

1. Luka, N., & Lister, N.-M. (2000). Our place: Community ecodesign for the Great White North means re-integrating local culture and nature. *Alternatives*, 26(3), 25-30.
2. Pressman, N. (1995). Excerpts from *Northern cityscape: Linking design to climate*. Yellowknife: Winter Cities Association.

B. COMPLEMENTARY ITEMS

1. Ewing, R., & Handy, S. (2009). Measuring the unmeasurable: urban design qualities related to walkability. *Journal of Urban Design*, 14(1), 65-84.
2. Garrick, N., & Wang, J. (2005). New concepts for context-based design of streets and highways. *Transportation Research Record*, 1912, 57-64.
3. Hess, P. M. (2009). Avenues or arterials: the struggle to change street building practices in Toronto, Canada. *Journal of Urban Design*, 14(1), 1-28.
4. Keeble, E. J., Collins, M., & Ryser, J. (1991). The potential of land-use planning and development control to help achieve favourable microclimates around buildings: a European review. *Energy and Buildings*, 16, 823-836.
5. Relph, E. (2004). Temporality and the rhythms of sustainable landscapes. In T. Mels (Ed.), *Reanimating places* (pp. 111-121). Aldershot (England): Ashgate.
6. Southworth, M., & Ben-Joseph, E. (1995). Street standards and the shaping of suburbia. *Journal of the American Planning Association*, 61(1), 65-81.
7. Towers, G. (2005). Standards: dividing the space (Ch. 2) *An introduction to urban housing design : at home in the city* (pp. 39-60). Oxford: Architectural Press / Elsevier.

C. OPTIONAL FURTHER READING

- American Planning Association. (2006). *Planning and urban design standards*. Hoboken NJ: John Wiley & Sons.
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- Banham, R. (1984). *The architecture of the well-tempered environment* (2nd ed.). Chicago: Architectural Press.
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- Børve, A. (1980). Settlement planning under arctic conditions in northern Norway. In A. Bitan (Ed.), *The impact of climate on planning and building* (pp. 67-70). Lausanne: Elsevier Sequoia SA.
- Børve, A. (1988). Planning and building in northern cities: the case of Hammerfest. In J. Mänty & N. Pressman (Eds.), *Cities designed for winter* (pp. xxx-xxx). Helsinki: Building Book Ltd.
- Bosselmann, P., Arens, E., Dunker, K., & Wright, R. (1995). Urban form and climate: case study, Toronto. *Journal of the American Planning Association*, 61 (2), 226-239.
- Casello, J. M., Wright, R. M., & Vuchic, V. R. (2006). Context-sensitive urban transportation design in West Philadelphia, Pennsylvania. *Transportation Research Record*, 1956, 165 -174.
- Corner, J. (2006). Terra fluxus. In C. Waldheim (Ed.), *The landscape urbanism reader* (pp. 21-33). Princeton NJ: Princeton Architectural Press.
- Culjat, B., & Erskine, R. (1988). Climate-responsive social space: a Scandinavian perspective In J. Mänty & N. Pressman (Eds.), *Cities designed for winter* (pp. 347-363). Helsinki: Building Book Limited.
- Darke, J. (1984). Architects and user requirements in public-sector housing: 3. Towards an adequate understanding of user requirements in housing. *Environment & Planning B: Planning and Design*, 11(4), 417-433.
- De Chiara, J., & Koppelman, L. (1978). *Site planning standards*. New York: McGraw-Hill.
- Dramstad, W., Olson, J. D., & Forman, R. T. T. (1996). *Landscape ecology principles in landscape architecture and land-use planning*. Cambridge MA / Washington DC: Harvard University Graduate School of Design / Island Press.

- Duany, A., & Plater-Zyberk, E. (1991). *Towns and town-making principles*. New York: Rizzoli.
- Dunin-Woyseth, H. (1990). Genius loci: planning and the winter dimension. *Town Planning Review*, 61(3), 341-365.
- France, R. (2008 [2003]). Green world, gray heart? The promise and reality of landscape architecture in sustaining nature. In W. S. Saunders (Ed.), *Nature, landscape, and building for sustainability* (pp. 133-144). Minneapolis: University of Minnesota Press.
- Gappert, G. (Ed.). (1987). *The future of winter cities*. Newbury Park CA: Sage.
- Geist, J. F. (1989 [1969]). *Le passage, un type architectural du XIXe siècle* (M. Brausch, Trans.). Liège: P. Mardaga.
- Hanen, H., & Liburd, G. (1993). Arctitecture: how can we make our built forms meet the challenges of the seasons? *Winter Cities*, 22-23.
- Heschong, L. (1979). *Thermal delight in architecture*. Cambridge MA: MIT Press.
- Hill, K. (2008 [2003]). Green good, better, and best: effective ecological design in cities. In W. S. Saunders (Ed.), *Nature, landscape, and building for sustainability* (pp. 145-156). Minneapolis: University of Minnesota Press.
- Hough, M. (2004). *Cities and natural process: a basis for sustainability* (2nd ed.). London: Routledge.
- Kenworthy, A. (1980). Observations on climate and building design with particular reference to building aerodynamics and its effects on fuel consumption in multi-storey buildings. In A. Bitan (Ed.), *The impact of climate on planning and building* (pp. 173-175). Lausanne: Elsevier Sequoia SA.
- Lister, N.-M. (2005). Industrial ecology as ecological design: Opportunities for re(dis)covery. In R. Côté, J. Tansey & A. Dale (Eds.), *Linking industry and ecology in Canada: a question of design* (pp. 15-28). Vancouver: UBC Press.
- Lloyd-Jones, T. (2001). Appendix 3: Planning standards. In M. Roberts & C. Greed (Eds.), *Approaching urban design: the design process* (pp. 156-162). Harlow (England): Longman / Pearson Education.
- Luka, N. (2005). Reworking Canadian landscape and urban form through responsive urban design: Healthy housing and other lessons. In R. Côté, J. Tansey & A. Dale (Eds.), *Linking industry and ecology in Canada: a question of design* (pp. 67-93). Vancouver: UBC Press.
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- Mänty, J., & Pressman, N. (Eds.). (1988). *Cities designed for winter*. Helsinki: Building Book Ltd.
- Marsh, W. M. (2010). *Landscape planning: environmental applications* (5th ed.). New York: Wiley.
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- Moewes, G. (1999). Nur Stadtbau entlastet die Natur. *Der Architekt* (5), 28-30.
- Neufert, E. (1996). *Bauentwurfslehre, 34. Auflage*. Braunschweig/Wiesbaden D: VIEWEG.
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- Pressman, N. (1988). *Images of the North : cultural interpretations of winter*. Winnipeg: Institute of Urban Studies (University of Winnipeg).
- Pressman, N. (1988). Winter policies, plans, and designs: the Canadian experience. In J. Mänty & N. Pressman (Eds.), *Cities designed for winter* (pp. 35-64). Helsinki: Building Book Limited.
- Pressman, N. (1994). Climatic factors in play areas and public space. *Architecture et comportement*, 10(4), 83-93.
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- Raymond, H. (1974). Habitat, modèles culturels et architecture. *Architecture aujourd'hui*, x(x), 50-53.
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- Saunders, T. (1996). Ecology and community design: lessons from northern European ecological communities. *Alternatives*, 22(2), 24-29.
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