

ARCH670

Advanced Comprehensive Computer Technology in Architecture *Modeling and Animation*

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Course Reading List

"We have had a sincere admiration for the architects who immediately preceded us. We recognize them for having been the first to break with a tradition of superficiality and bad taste, which ruled for too long."

- Gruppo 7

Recommended Texts

Ackerman, James. "*Michelangelo's 'Theory' of Architecture*" *The Architecture of Michelangelo*. University of Chicago Press, 1986.

Bachelard, Gaston. *The Poetics of Space*. Beacon Press, 1994.

Beckman, John. *The Virtual Dimension : Architecture, Representation, and Crash Culture*. Princeton Architectural Press, 1998.

Benjamin, Walter. "*Work of Art in the Age of Mechanical Reproduction*" *Illuminations*. Schocken Books, 1968.

Bergren, Ann. "*The Easier Beauty of Animate Form*" *Architectural Record*. November, 2000. pp. 78-85.

Eco, Umberto. "*Travels in Hyper Reality*" *Travels in Hyper Reality*. Harcourt Brace and Company, 1986.

Eisenman, Peter. "*Zones of Undecidability: The Processes of the Interstitial*" *Anyhow*. MIT Press, 1998.

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Fear, Bob (ed). *Architectural Design Profile: Architecture + Animation*. John Wiley & Sons, 2001.

Fraser, John. *Evolutionary Architecture*. Architectural Association, 1995.

Galofaro, Luca. *Digital Eisenman*. Birkhauser, 1999.

Giovannini, Joseph. "*Fred and Ginger Dance in Prague*" *Architecture Magazine*. February, 1997. pp. 52-62.

Giovannini, Joseph. "*Building a Better Blob*" *Architecture Magazine*. September, 2000. pp. 126-8.

Grosz, Elizabeth. *Architecture from the Outside: essays on Virtual and Real Space*. MIT Press, 2002.

Harbison, Robert. "*Models*" *Thirteen Ways*. MIT Press, 1997.

Hays, K. Michael. *Oppositions Reader: Selected Readings from a Journal for Ideas and Criticism in Architecture 1973-1984*.

Holtzman, Steven R. "*The Visual World*" *Digital Mantras: The Languages of Abstract and Virtual Worlds*. MIT Press, 1994.

Imperiale, Alicia. *New Flatness: Surface Tension in Digital Architecture*. Birkhauser, 2000.

Ingraham, Catherine. "*Donkey Urbanism*" *Architecture and the Burdens of Linearity*. Yale University Press, 1998.

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Lolli, Alberto; Zocchetta, Mauro; Peretti. *Struttura Uomo Vol. 2*. Neri Editore, 2001.

Lolli, Alberto; Zocchetta, Mauro; Peretti. *Struttura Uomo Vol. 1*. Neri Editore, 2000.

Lynn, Greg. "Animate Form" *Animate Form*. Princeton Architectural Press, 1999.

Lynn, Greg (ed). *Architectural Design 102: Folding in Architecture*. John Wiley & Sons, 1993.

Lynn, Greg; Cynthia C. Davidson (ed). "Geometry in Time" *Anyhow*. Anyone Corporation, 1998.

Lynn, Greg. *Folds, Bodies & Blobs: Collected Essays*. La Lettre Volee, 1998.

Martegani, Paolo and Riccardo Montenegro. *Digital Design*. Birkhauser, 2000.

McCullough, Malcolm. *Abstracting Craft*. MIT Press, 1998.

Metz, Tracy. "Pavilion Essay" *Architectural Record*. May, 1999. pp. 202-211.

Mitchell, W. and M. McCullough. *Digital Design Media, 2nd ed*. Van Nostrand Reinhold, 1995.

Palumbo, Maria L. *New Wombs - Electric Bodies and Architectural Disorder*. Birkhauser, 2000.

Perella, Stephen (ed). *Hypersurface Architecture - AD 133*. John Wiley & Sons, 1998.

Perella, Stephen (ed). *Hypersurface Architecture II - AD 141*. John Wiley & Sons, 1999.

Pongratz, Christian and Maria R. Perbellini. *Natural Born CAADesigners: Young American Architects*, Basel: Birkhauser, 2000.

Rahim, Ali. *Contemporary Processes in Architecture - AD Vol. 70*. John Wiley & Sons, 2000.

Rahim, Ali. *Contemporary Techniques in Architecture - AD Vol. 72*. John Wiley & Sons, 2001.

Rajchman, John. *Constructions*. MIT Press, 1998.

Rowe, Colin and Slutsky, Robert. "Transparency: Literal and Phenomenal" *The Mathematics of an Ideal Villa*. MIT Press, 1999.

Schmai, Peter C. (ed). *Digital Real: Blobmeister: first built projects*. Princeton Architectural Press, 2002.

SHoP/Sharples Holden Pasquarelli. *Versioning: Evolutionary Techniques in Architecture - AD Vol. 72*. John Wiley & Sons, 2002.

Thompson, D'Arcy. *On Growth and Form*. Dover Publications, 1992.

Van Berkel, Ben and Caroline Bos (eds). "Diagram Work: Data Mechanics for a Topological Age" *ANY Magazine* 23, 1998.

Vidler, Anthony. *Warped Space*. MIT Press, 2001.

Zellner, Peter. *Hybrid Space: New Forms in Digital Architecture*. Rizzoli, 1999.

to be continued...