

COURSE DESCRIPTION

The course will review the international socio-economic, cultural, and political transformation during the second half of the 20th century. Highlighting concepts of architectural design based on recent ideologies of advanced technology methods in building construction including hi-tech. The course will look at design concepts and, hi-tech issues that employed by prominent contemporary architects. Special attention will be paid to historiographical questions of how architects interpret the terms of their "present". In addition, there will be a relation to the local architecture, and the lessons that could be learn.

INTRODUCTION: DOING HISTORY BACKWARDS

The course will look at key shifts in architectural thought and debates over the last four decades. The approach of the course will be to address current day problems, projecting back into the past in order to offer something of a historical "frame" to understand the present. The course begins by looking at four or five issues in architecture understood to be critical for present times: globalization, technology, cognitive sciences, the environment, and cultural politics. The course then reaches back over the last fifty years to establish precedents for these current-day preoccupations in architectural and critical terms. The above topics will be seen to have formal or theoretical resonances in a host of architectural movements: the techno-fantast movements of the 1960s, "post-modern" semiosis, phenomenology, Third World "social modernism", vernacularism, post-modernism, cybernetics, and so on. Students will look at buildings, writing and movements as part of the evolving critiques of modernism from the 1950s onwards; in doing so, the students will come to examine the manner in which modernism was both critically unraveled and reinvented at different moments of its aftermath.

COURSE REQUIREMENTS

| ACTIVITIES | PERCENTAGES |
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| Five review Papers | 15% |
| Book Presentation (Leading the Class in Debate and Discussion) | 10% |
| Final Paper (submitted 30/12/2013) | 15% |
| Mid Exams (25/11/2013) | 20% |
| Final Exam | 40% |
| Total | 100% |

CALENDAR

| | TOPICS | DISCUSSION |
|----|---|---|
| 1 | Introduction | |
| 2 | Megacities | |
| 3 | Blobs, Curves and the Formless | Buildings to Study: Frank Gehry - Disney Concert Hall, Los Angeles; Greg Lynn - Artists' Space Installation, New York |
| 4 | Theory Outtake 1 | |
| 5 | Bodies | |
| 6 | CTRL [Space] | |
| 7 | Environmentalism | |
| 8 | Architecture and Deconstruction | Buildings to Study: Bernard Tschumi - Parc de la Villette; Projects featured in the MOMA show of 1988 |
| 9 | The New York Five | Buildings to Study: Peter Eisenman - House II, VI, X; Charles Gwathmey; John Hejduk; Michael Graves - Benacerraf House addition |
| 10 | Architecture and Post-Modernism | Buildings to Study: James Stirling - Neue Staatsgalerie, Stuttgart; Robert Venturi - National Gallery Extension, London |
| 11 | Kenneth Frampton and Critical Regionalism | Buildings to Study: Alvar Aalto - Saynatsalo Town Hall; Tadao Ando - Koshino House, Osaka; Jörn Utzon - Bagsvaerd Church |
| 12 | Modernisms Elsewhere | Buildings to Study: Jo Noero - Soweto Career Center, House Nxumalo; Charles Correa - Belapur Township |
| 13 | Vernacularism | Building to Study: Hassan Fathy - New Gournia Township |
| 14 | Interim Mid Exam | <p>Questions will be based on readings. Length of total required responses: 1500 words. Students will have a choice between more standard, explicatory questions relating to the readings already done, or more interpretive essay questions. The former will have higher weight.</p> <p>Questions will be based on readings. Length of total required responses: 1500 words. Students will have a choice between more standard, explicatory questions relating to the readings already done, or more interpretive essay questions. The former will have higher weight.</p> |

| | TOPICS | DISCUSSION |
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| 15 | Critiques of Modernism | Buildings to Study: Atelier Lucien Kroll - Medical Faculty Building, University of Louvain; Ralph Erskine - Byker Wall, Newcastle; Candilis, Josic and Woods - Berlin Freie University |
| 16 | Theory Outtake 2 | |
| 17 | Phenomenology and Place | |
| 18 | Minimalism and Monumentality - Louis Kahn | Buildings to Study: Louis Kahn - Salk Institute, Kimbell Museum, Dhaka National Assembly Building, Philips Exeter Building |
| 19 | Voyages into the Surface - Robert Venturi and Denise Scott-Brown | Buildings to Study: Venturi and Denise Scott Brown - Vanna Venturi House, Guild Hall |
| 20 | Aldo Rossi and the Archetypes of Memory | Building to Study: Aldo Rossi - San Cataldo Cemetery, Modena |
| 21 | Manfredo Tafuri and the Venice School | Building to Study: Carlo Aymonino and Aldo Rossi, Gallarate quarter, Milan, 1967-73. |
| 22 | Theory Outtake 3 | |
| 23 | Superstudio - Italy between First and Third Worlds | Buildings to Study: Compare Archigram and Superstudio Projects |
| 24 | 1968 | |
| 25 | Traces on the City | Buildings to Study: Situationist projects; Projects by Constant |
| 26 | Technofantasy / Megastructure | Buildings to Study: Cedric Price - The Fun Palace; Archigram projects |
| 27 | Late CIAM and the Architecture of the Welfare State | Buildings to Study: James Stirling - Engineering Building, Leicester University, History Faculty Building, Cambridge University; Alison and Peter Smithson - Sheffield University Extension |
| 28 | Final Paper (4500 words) | Paper should be a research paper on a topic decided upon by consultation between the student, the instructor and the teaching assistant. |

READINGS

| | TOPICS | READINGS |
|---|--------------------------------|---|
| 1 | Introduction | |
| 2 | Megacities | <p>Koolhaas, Rem. "Singapore Songlines: Portrait of a Potemkin Metropolis... or Thirty Years of Tabula Rasa." In <i>S, M, L, XL</i>. New York: The Monacelli Press, 1995. ISBN: 1885254865.</p> <p>Lee, Ching Kwan. "Factory Regimes of Chinese Capitalism; Different Cultural Logics in Labour Control." In <i>Ungrounded Empires: The Cultural Politics of Modern Chinese Transnationalism</i>. Edited by Aihwa Ong and Donald Nonini. New York: Routledge, 1997. ISBN: 0415915430.</p> |
| 3 | Blobs, Curves and the Formless | <p>Lynn, Greg. "Animate Form." In <i>Animate Form</i>. New York: Princeton Architectural Press, 1999. ISBN: 1568980833.</p> <p>Krauss, Rosalind, and Yves-Alain Bois. Introduction - "The Use Value of the Formless," and Conclusion - "The Destiny of the Informe." In <i>Formless: A User's Guide</i>. Cambridge, MA: MIT Press, 1997. ISBN: 0942299434.</p> <p>Foster, Hal. "Part 1: Architecture and Design." In <i>Design and Crime</i>. London: Verso, 2002.</p> |
| 4 | Theory Outtake 1 | <p>Haraway, Donna. "A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century." In <i>Simians, Cyborgs and Women: The Reinvention of Nature</i>. New York: Routledge, 1991. ISBN: 0415903874.</p> <p>Plant, Sadie. "Anna 1," "Gambling on the Future," "Binaries," "Supporting Evidence," "Genderquake," "Cultures," "Nets," "Digits," "Holes," "Cyborg Manifestoes," "Programming Language," "Shuttle Systems," and "Casting on." In <i>Zeros + Ones</i>. New York: Doubleday, 1997. ISBN: 0385482604.</p> |
| 5 | Bodies | <p>Fuss, Diana, and Joel Sanders. "Bergasse 19: Inside Freud's Office." In <i>Stud: Architectures of Masculinity</i>. Edited by Joel Sanders. New York: Princeton Architectural Press, 1996. ISBN: 1568980760.</p> <p>Djebar, Assia. "Postface: Forbidden Gaze, Severed Sound." In <i>Women of Algiers in Their Apartment</i>. Charlottesville, VA: University Press of Virginia, 1992. ISBN: 0813914027.</p> |
| 6 | CTRL [Space] | <p>Keenan, Thomas. "Publicity and Indifference: Media, Surveillance, 'Humanitarian Intervention.'" In <i>CTRL [Space]: Rhetorics of Surveillance from Bentham to Big Brother</i>. Edited by Thomas Y. Levin, Ursula Frohne, and Peter Weibel. Cambridge, MA: MIT Press, 2002. ISBN: 0262621657.</p> |

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| | | <p>Wodiczko, Krzysztof. "Designing for the City of Strangers." In <i>Critical Vehicles: Writings, Projects, Interviews</i>. Cambridge, MA: MIT Press, 1999. ISBN: 0262731223.</p> <p>Manovich, Lev. "Modern Surveillance Machines: Perspective, Radar, 3-D Computer Graphics, and Computer Vision." In <i>CTRL [Space]: Rhetorics of Surveillance from Bentham to Big Brother</i>. Edited by Thomas Y. Levin, Ursula Frohne, and Peter Weibel. Cambridge, MA: MIT Press, 2002.</p> |
| 7 | Environmentalism | <p>"Access to Tools." In <i>The Original Whole Earth Catalogue, Special 30th Anniversary Issue</i>. Edited by Stewart Brand, and Peter Warshall. Whole Earth, 1998. ISBN: 1892907054.</p> <p>Reinhold, Martin. "Environment, c. 1971." In <i>Grey Room 14</i> (Winter 2004).</p> <p>Papanek, Victor. "Environmental Design: Pollution, Crowding, Ecology." Chapter 10 in <i>Design for the Real World</i>. Chicago: Academy Chicago Publishers, 1984. ISBN: 0897331532.</p> |
| 8 | Architecture and Deconstruction | <p>Derrida, Jacques. "Point de folie - Maintenant l'architecture." <i>La Case Vide: La Villette</i> (1985). Edited by Bernard Tschumi. Reprinted in <i>Architecture Theory since 1968</i>. Edited by by K. Michael Hays. Cambridge, MA: MIT Press, 1998. ISBN: 0262082616.</p> <p>Speaks, Michael. "Negotiating the Hypertext: Bernard Tschumi's <i>La Villette</i>." In <i>Context and Modernity</i>. Papers from the Delft International Working Seminar on Critical Regionalism, 12-15 June 1990.</p> <p>Evans, Robin. "Persistent Breakage." In <i>The Projective Cast: Architecture and Its Three Geometries</i>. Cambridge, MA: MIT Press, 1995.</p> |
| 9 | The New York Five | <p>Eisenman, Peter. "Aspects of Modernism: Maison Dom-ino and the Self-Referential Sign." In <i>Oppositions Reader</i>. Edited by K. Michael Hays. New York: Princeton Architectural Press, 1998. ISBN: 1568981538.</p> <p>Rowe, Colin. Introduction to <i>Five Architects</i>. Reprinted in <i>Architecture Theory since 1968</i>. Edited by K. Michael Hays. Cambridge, MA: MIT Press, 1998. ISBN: 0262082616.</p> <p>Rowe, Colin "The Mathematics of the Ideal Villa." In <i>The Mathematics of the Ideal Villa and Other Essays</i>. Cambridge, MA: MIT Press, 1982.</p> |
| 10 | Architecture and Post-Modernism | <p>Jencks, Charles. "Part Three: Post-Modern Architecture." In <i>The Language of Post-Modern Architecture</i>. 6th ed. New</p> |

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| | | <p>York: Rizzoli, 1991. ISBN: 0847813592.</p> <p>Jameson, Fredric. "Postmodernism and Consumer Society." In <i>The Anti-Aesthetic: Essays on Postmodern Culture</i>. Edited by Hal Foster. Seattle, WA: The Bay Press, 1983. ISBN: 094192002X.</p> <p>Huysen, Andreas. "Mapping the Postmodern." In <i>A Post-Modern Reader</i>. Edited by Charles Jencks. London: Academy Editions, 1982. ISBN: 1854901079.</p> <p>Habermas, Jürgen. "Modernism and Postmodernism Architecture." In <i>Architecture Theory Since 1968</i>. Edited by K. Michael Hays, 1981 reprint. Cambridge, MA: MIT Press, 1998, pp. 412-426.</p> <p>Baudrillard, Jean. "The Ecstasy of Communication." In <i>The Anti-Aesthetic: Essays on Postmodern Culture</i>. Edited by Hal Foster. Seattle, WA: Bay Press, 1983.</p> |
| 11 | Kenneth Frampton and Critical Regionalism | <p>Frampton, Kenneth. "Towards a Critical Regionalism: Six Points for an Architecture of Resistance." In <i>The Anti-Aesthetic: Essays on Postmodern Culture</i>. Edited by Hal Foster. Seattle, WA: Bay Press, 1983. ISBN: 094192002X.</p> <p>———. "The Status of Man and his Objects." Reprinted in <i>Architecture Theory since 1968</i>. Edited by K. Michael Hays. Cambridge, MA: MIT Press, 1998. ISBN: 0262082616.</p> <p>Lefaivre, Liane, and Alexander Tzonis. "Why Critical Regionalism Today?" In <i>Architecture + Urbanism</i>, May 1990.</p> |
| 12 | Modernisms Elsewhere | <p>Fraser, Valerie. "Brazil." In <i>Building The New World: Studies in the Modern Architecture of Latin America, 1930-1960</i>. London: Verso, 2000. ISBN: 1859843077.</p> <p>Elleh, Nnamdi. "Architecture and Nationalism in Africa, 1945-1994." In <i>The Short Century: Independence and Liberation Movements in Africa, 1945-1994</i>. Edited by Okwui Enwezor. New York: Prestel Verlag, 2001. ISBN: 3791325027.</p> <p>Eleb, Monique: "An Alternative to Functionalist Universalism: Écochard, Candilis and ATBAT-Afrique." In <i>Anxious Modernisms: Experimentation in Postwar Architectural Culture</i>. Edited by Sarah Williams Goldhagen. Cambridge, MA: MIT Press, 2001.</p> <p>Serageldin, Ismail. "The Architecture of Empowerment: A Survey." In <i>The Architecture of Empowerment</i>. London: Academy Editions, 1997.</p> |
| 13 | Vernacularism | <p>Rudofsky, Bernard. <i>Architecture Without Architects: A Short Introduction to Non-Pedigreed Architecture</i>. Albuquerque,</p> |

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| | | <p>NM: The University of New Mexico Press, 1988. ISBN: 0826310044.</p> <p>Rapoport, Amos. "Alternative Theories of House Form," and "Socio-cultural Factors and House Form." Chapter 2, and 3 in <i>House Form and Culture</i>. Englewood Cliffs, NJ: Prentice-Hall, 1969. ISBN: 0133956733.</p> |
| 14 | Mid Exam | |
| 15 | Critiques of Modernism | <p>Alexander, Christopher. <i>A Pattern Language: Towns, Buildings, Construction</i>. New York: Oxford University Press, 1977. pp. 10-74. ISBN: 0195019199.</p> <p>Rowe, Colin, and Fred Koetter. Selections from <i>Collage City</i>. Reprinted in <i>Architecture Theory since 1968</i>. Edited by K. Michael Hays. Cambridge, MA: MIT Press, 1998. ISBN: 0262082616.</p> <p>Lynch, Kevin. "City Form," Chapter IV in <i>The Image of the City</i>. Cambridge, MA: MIT Press, 1960. ISBN: 0262620014.</p> <p>Jane Jacobs. Selections from <i>Death and Life of American Cities</i>. New York: Vintage Books, 1963. Chapters 6, 8, 13, 16.</p> |
| 16 | Theory Outtake 2 | <p>McLuhan, Marshall and Lewis H. Lapham. <i>Understanding Media: The Extensions of Man</i>. Cambridge, MA: MIT Press, 1994. ISBN: 0262631598.</p> <p>Wiener, Norbert. Chapter I, "Cybernetics in History," and Chapter II, "Progress and Entropy." In <i>The Human Use of Human Being: Cybernetics and Society</i>. New York: Doubleday, 1954.</p> |
| 17 | Phenomenology and Place | <p>Frampton, Kenneth. "On Heidegger." <i>Oppositions</i> 4, October 1974.</p> <p>Norberg-Schulz, Christian. "The Phenomenon of Place." In <i>Architecture Association Quarterly</i> 8, no. 4 (1976). Reprinted in <i>Theorizing a New Agenda for Architecture</i>. Edited by Kate Nesbitt. New York: Princeton Architectural Press, 1996. ISBN: 156898054X.</p> <p>Norberg-Schulz, Christian. <i>Genius Loci: Towards a Phenomenology of Architecture</i>. New York: Rizzoli, 1980.</p> |
| 18 | Minimalism and Monumentality - Louis Kahn | <p>Kahn, Louis. "Monumentality." In <i>Architecture Culture 1943-1968</i>. Edited by Joan Ockman with Edward Eigen. New York: Columbia Books of Architecture/Rizzoli, 1993. ISBN: 0847815226.</p> <p>Bonnefoi, Christian. "Louis Kahn and</p> |

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| | | <p>Minimalism." <i>Oppositions</i> 24, Spring 1981.</p> <p>Norberg-Schulz, Christian. "Kahn, Heidegger, and the Language of Architecture." <i>Oppositions</i> 18, Fall 1979.</p> <p>Lobell, Mimi. "Kahn, Penn and the Philadelphia School." <i>Oppositions</i> 4, October 1974.</p> |
| 19 | Voyages into the Surface - Robert Venturi and Denise Scott-Brown | <p>Venturi, Robert. Selections from <i>Complexity and Contradiction in Architecture</i>. New York: Museum of Modern Art, 1977. ISBN: 0870702815.</p> <p>Venturi, Robert, Denise Scott Brown, and Steven Izenour. "Theory of Ugly and Ordinary and Related and Contrary Theories." In <i>Learning from Las Vegas: The Forgotten Symbolism of Architectural Form</i>. Cambridge, MA: MIT Press, 1977, 1972. ISBN: 0262220202.</p> <p>Scott Brown, Denise. "Learning from Pop." In <i>Casabella</i> 35, no. 359-360 (December 1971).</p> |
| 20 | Aldo Rossi and the Archetypes of Memory | <p>Rossi, Aldo. "The Structure of Urban Artifacts." Chapter 1 in <i>The Architecture of the City</i>. Cambridge, MA: MIT Press, 1984. ISBN: 0262680432.</p> <p>Moneo, Rafael. "The Idea of Architecture and the Modena Cemetery." <i>Oppositions</i> 5. Reprinted in <i>The Oppositions Reader</i>. Edited by K. Michael Hays. New York: Princeton Architectural Press, 1998. ISBN: 1568981538.</p> <p>Tafuri, Manfredo. "The 'Case' of Aldo Rossi." In <i>History of Italian Architecture, 1944-1985</i>. Translated by Jessica Levine. Cambridge, MA: MIT Press, 1989. ISBN: 0262200678.</p> <p>Rossi, Aldo. "The Individuality of Urban Artifacts; Architecture." Chapter 3 in <i>The Architecture of the City</i>. Cambridge, MA: MIT Press, 1984.</p> |
| 21 | Manfredo Tafuri and the Venice School | <p>Tafuri, Manfredo. "<i>L'architecture dans le boudoir</i>." In <i>The Sphere and the Labyrinth</i>. Cambridge, MA: MIT Press, 1990. ISBN: 0262700395.</p> <p>Cohen, Jean-Louis. "The Italophiles at Work." Reprinted in <i>Architecture Theory since 1968</i>. Edited by K. Michael Hays. Cambridge, MA: MIT Press, 1998. ISBN: 0262082616.</p> <p>Tafuri, Manfredo. "Architecture and its Double: Semiology and Formalism." In <i>Architecture and Utopia: Design and Capitalist Development</i>. Translated by Barbara Luigia La Penta. Cambridge, MA: MIT Press, 1979.</p> |
| 22 | Theory Outtake 3 | <p>Foucault, Michel. "The Subject and Power," and "Space,</p> |

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| | | <p>Knowledge and Power." In <i>Power</i> Vol. 3 of the <i>Essential Works of Foucault, 1954-1984</i>. Series Edited by Paul Rabinow. New York: The New Press, 2000. ISBN: 1565847091.</p> <p>Althusser, Louis. "Ideology and Ideological State Apparatuses." In <i>Lenin and Philosophy</i>. New York: Monthly Review Press, 1971. ISBN: 0902308122.</p> |
| 23 | Superstudio - Italy between First and Third Worlds | <p>Lang, Peter, and William Menking. "Only Architecture Will Be Our Lives." In <i>Superstudio: Life Without Objects</i>. Edited by Peter Lang, and William Menking. Milan: Skira, 2003. ISBN: 8884915694.</p> <p>———. "Suicidal Desires." In <i>Superstudio: Life Without Objects</i>. Edited by Peter Lang, William Menking. Milan: Skira, 2003. ISBN: 8884915694.</p> <p>Ambasz, Emilio, ed. "Counterdesign As Postulation." In <i>Italy: The New Domestic Landscape: Achievements and Problems of Italian Design</i>. New York: Museum of Modern Art, 1972, pp. 223-265. ISBN: 0870703935.</p> |
| 24 | 1968 | <p>Genevro, Rosalie. "Introduction." <i>The Inflatable Moment : Pneumatics and Protest in '68</i>. Edited by Marc Dessauce. New York: Princeton Architectural Press, 1999. ISBN: 1568981767.</p> <p>Dessauce, Marc. "On Pneumatic Apparitions." In <i>The Inflatable Moment: Pneumatics and Protest in '68</i>. Edited by Marc Dessauce. New York: Princeton Architectural Press, 1999. ISBN: 1568981767.</p> <p>Tschumi, Bernard, and Martin Pawley. "The Beaux-Arts Since '68." <i>Architectural Design</i>, July 1971.</p> |
| 25 | Traces on the City | <p>Sadler, Simon. "Formulary for a New Urbanism: Rethinking the City." Chapter 2 in <i>The Situationist City</i>. Cambridge, MA: MIT Press, 1998. ISBN: 0262193922.</p> <p>Wigley, Mark. "The Hyper-Architecture of Desire." In <i>Constant's New Babylon: The Hyper-Architecture of Desire</i>. Rotterdam: Center for Contemporary Art, 1998. ISBN: 9064503435.</p> <p>Violeau, Jean-Louis. "A Critique of Architecture: The Bitter Victory of the Situationist International." In <i>Anxious Modernisms: Experimentation in Postwar Architectural Culture</i>. Edited by Sarah Williams Goldhagen. Cambridge, MA: MIT Press, 2001.</p> |
| 26 | Technofantasy / Megastructure | <p>Banham, Reyner. "Fun and Flexibility," and "Epilogue: The Meaning of Megastructure." Chapter 5 and Chapter 9</p> |

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| | | <p>in <i>Megastructures: Urban Futures of the Recent Past</i>. London: Thames and Hudson, 1976. ISBN: 0500340684.</p> <p>Lopsinger, Mary Louise: "Cybernetic Theory and the Architecture of Performance - Cedric Price's Fun Palace." In <i>Anxious Modernisms: Experimentation in Postwar Architectural Culture</i>. Edited by Sarah Williams Goldhagen. Cambridge, MA: MIT Press, 2001. ISBN: 0262072084.</p> |
| 27 | Late CIAM and the Architecture of the Welfare State | <p>Smithson, Alison, ed. "CIAM/Team 10." <i>Architectural Design</i>. May 1960, pp. 175-207.</p> <p>Mumford, Eric. "From the 'Heart of the City' to the End of CIAM." In <i>The CIAM Discourse on Urbanism, 1928-1960</i>. Cambridge, MA: MIT Press, 2000. ISBN: 0262133644.</p> |
| 28 | Final Paper (4500 words) | |