

EVDA 523.02/ARST 457.02

History of Architecture and Human Settlement II: 1750 to Present

H(3-0) Winter 2015

Instructor: Graham Livesey

Email: livesey@ucalgary.ca, Tel: (403) 220-8671, Room 3168

EVDS, University of Calgary

Tuesdays and Thursdays, 11:00-12:20, Room 2160

INTRODUCTION

This is the second course (including EVDA 523.01/ARST 457.01) examining the history of architecture and settlement from the prehistoric world until the present. This introductory survey will address the traditions of the Western world from the Industrial Revolution until the present, and will be delivered in a lecture format.

OBJECTIVES

- Students are expected to learn of the changes in worldview that have altered the course of Western architecture and to become familiar with important works, practitioners, theorists and themes. Slide tests are used as the method for evaluating this.
- As history courses are a required part of a professional architecture program, architectural history is understood to be necessary for understanding diverse culture and behaviours. In a multi-cultural world, history provides a dynamic source for the exploration of questions relevant to contemporary architectural practice. The book review and term paper are intended to be articulate studies of questions addressed to historical works.
- To develop and refine skills in research, critical reading, synthesis, visual analysis, oral and written communication. The course addresses the following CACB Student Performance Criteria:

Primary: A1. Critical Thinking Skills, A2. Research Skills, A4. Verbal and Writing Skills, A7. Cultural Diversity, A8. History and Theory, A9. Precedents

Secondary: A6. Human Behaviour

EVALUATION

Slide Tests: Two tests will be given during the term to evaluate students understanding of the key concepts covered in the course. Each test will involve writing short essay-type responses to five pairs of images.

Book Review: Write a 1000 word book review based on a treatise on architecture, urbanism, or gardens (suggestions are found elsewhere in this outline).

Term Paper: Write a 3000-4000 word research paper based on a topic related to the course material. It is recommended that you discuss the topic with the instructor.

Book Review	20%	Due: February 10, 2015
Term Paper	40%	Due: April 2, 2015
Slide Tests	20%	Test 1: March 3, 2015
	20%	Test 2: April 9, 2015 - to be confirmed.

Readings and tests: Students are expected to complete required readings, suggested readings are provided for reference. Two slide tests will be given during the semester. There will not be a Registrar-scheduled final exam. Your written assignments will be marked for grammatical accuracy, stylistic clarity, and organization as well as for demonstrated understanding of the topic, logical argumentation, and originality of critical comments. Students must use recognized footnoting and bibliographic conventions (*Chicago Manual of Style* is the preferred style).

General References

Ariès, P. and Duby, G. eds., A History of Private Life (5 vols.).
 Benevolo, L., History of Modern Architecture: Volumes 1 and 2.
 Benevolo, L., The History of the City.

Borden, D., et al, Architecture: A World History.
Curtis, W.J.R., Modern Architecture Since 1900 (Third edition).
Kostof, S., A History of Architecture: Settings and Rituals.
Moffett, M., Fazio, M. and Wodehouse, L., A World History of Architecture (or Buildings Across Time.)
Schoenauer, N., 6,000 Years of Housing.

Required Readings

Required readings available at U of C Bookstore, U of C Library, or EVDS Reception.

COURSE OUTLINE & READING LIST

Lecture 1 – Tuesday, January 13, 2015

Introduction/course requirements. A thematic approach to history. Importance of history for contemporary practice.
Film: “Conversations with Frank Lloyd Wright” (XMP00453).

Required Reading

Frampton, K., “Introduction,” in Modern Architecture: A Critical History (Fourth Edition), pp. 8-10.

Suggested Readings

Kostof, S., A History of Architecture, pp. 3-19.

Lecture 2 –Thursday, January 15

Nineteenth Century: Revivalism, Nationalism, and New Building Types. Karl Friedrich Schinkel (1781-1841), Leo von Lenze (1784-1864), A.W.N. Pugin (1812-1852), Sir Charles Barry (1795-1860), William Butterfield (1814-1900), Alfred Waterhouse (1830-1905).

Building: Houses of Parliament, London, Pugin and Barry, 1840-

Required Readings

Frampton, K., “1. Cultural Transformations: Neoclassical Architecture 1750-1900,” in Modern Architecture: A Critical History (Fourth Edition), pp. 12-19.

Pugin, A.W.N., “An Apology for The Revival of Christian Architecture in England,” in Harrison-Moore and Rowe, Architecture and Design, pp. 209-214.

Ruskin, J., “The Nature of Gothic,” in Harrison-Moore and Rowe, Architecture and Design, pp. 227-232.

Suggested Readings

Clark, K., The Gothic Revival - NA610 C63, 8.

Bergdoll, B., European Architecture: 1750-1890.

Collins, P., “Gothic Nationalism” and “The Demand for a New Architecture,” Changing Ideals in Modern Architecture, Chapter 9 (Electronic edition – U of C Library).

Bergdoll, B. and E. Lessing, Karl Friedrich Schinkel.

Summerson, J., “William Butterfield, or the Glory of Ugliness,” in Heavenly Mansions.

Lecture 3– Tuesday, January 20

Nineteenth Century: Rationalism, the Influence of Engineering, and New Materials. Jean-Nicholas-Louis Durand (1760-1834), H. Labrouste (1801-1875), Joseph Paxton (1803-1865), I.K. Brunel (1806-1859), Gustave Eiffel (1832-1923), and Auguste Perret (1874-1954).

Building: Crystal Palace, London, Joseph Paxton, 1851

Required Reading

Frampton, K., ‘3. Technical Transformations: Structural Engineering 1775-1939,’ in Modern Architecture: A Critical History (Fourth Edition), pp. 29-40.

Viollet-le-Duc, E.-E., “Architecture in the Nineteenth Century: Importance of Method,” in A. Harrison-Moore and D.C. Rowe, Architecture and Design in Europe and America, 1750-2000, pp. 215-220.

Suggested Readings

Collins, P., “18. The Influence of Civil and Military Engineers,” Changing Ideals in Modern Architecture.

Straub, H., A History of Civil Engineering, Chaps. 7 and 8.

Collins, P., Concrete: The Vision of a New Architecture - NA4125 C64.

Ellul, J., The Technological Society.
Pérez-Gómez, A., Architecture and the Crisis of Modern Science, Chap. 9.
Villari, S., J.N.L. Durand 1760-1834: Art and Science of Architecture.
Viollet-le-Duc, E.E., The Architectural Theory of Viollet-le-Duc.

Lecture 4 – Thursday, January 22

Nineteenth Century: The Arts and Crafts Movement. John Ruskin (1819-1900), Philip Webb (1831-1915), William Morris (1834-1896), C.F.A. Voysey (1857-1941), and Edwin Lutyens (1896-1944).

Building: Red House, Bexley Heath, Webb and Morris, 1859

Required Readings

Frampton, K., "1. News from Nowhere: England 1836-1924," in Modern Architecture: A Critical History (Fourth Edition), pp. 42-50.

Morris, W., "The Revival of Architecture," in Harrison-Moore and Rowe, Architecture and Design, pp. 233-241.

Suggested Readings

Bergdoll, B., European Architecture: 1750-1890.

Davey, P., Architecture of the Arts and Crafts Movement - NA966 D37.

Ruskin, J., The Seven Lamps of Architecture.

Morris, W., News From Nowhere and Selected Writings.

Rybczynski, W., Home: A Short History of an Idea - NA7125 R93.

Lecture 5 – Tuesday, January 27

Nineteenth Century : American Architecture, the Chicago School, and the Skyscraper. Form follows Function. H.H. Richardson (1838-1886), Frank Furness (1839-1912), W.L. Jenney (1832-1907), Dankmar Adler (1844-1900) and Louis Sullivan (1856-1924).

Building: Wainwright Building, St. Louis, Adler and Sullivan, 1891

Required Readings

Frampton, K., "2. Adler and Sullivan: the Auditorium and the high rise 1886-95," in Modern Architecture: A Critical History (Fourth Edition), pp. 51-56.

Sullivan, L., "The Tall Building Artistically Considered," in Harrison-Moore and Rowe, Architecture and Design, pp. 258-264.

Suggested Readings

Scully, V., American Architecture and Urbanism.

Condit, C.W., The Rise of the Skyscraper - NA712 C69.

Condit, C.W., The Chicago School of Architecture.

Hitchcock, H.-R., The Architecture of H.H. Richardson - NA737 R5H56.

Twombly, R., Louis Sullivan: His Life and Work - NA737 S9T96.

Sullivan, L., The Autobiography of an Idea.

Rowe, C., "Chicago Frame," in Mathematics and The Ideal Villa and Other Essays.

Lecture 6 – Thursday, January 29

Nineteenth Century City: Paris and Baron Haussmann (1809-1891); Barcelona and Ildafonso Cerda (1815-1876); Daniel Burnham (1846-1912) and the City Beautiful Movement.

Required Readings

Frampton, K., "2. Territorial Transformations: urban developments 1800-1909," in Modern Architecture: A Critical History (Fourth Edition), pp. 20-28.

Sutcliffe, A., Paris: Building a European Capital Under the Second Empire," in Harrison-Moore and Rowe, Architecture and Design, pp. 300-304.

Suggested Readings

Berman, M., "The experience of modernity," in Thackara, J., ed., Design After Modernism.

Morris, A.E.J., History of Urban Form - HT166 M65.

Tafuri, M. and F. Dal Co, Modern Architecture/1.

Choay, F., The Modern City: Planning in the 19th Century.

Louer, F., Paris. Nineteenth Century - NA1050 L6713.

Berman, M., All That is Solid Melts into Air, Parts II and III.

Sennett, R., The Fall of Public Man.

Baudelaire, C., "The Painter of Modern Life," in Mallgrave, Architectural Theory: Volume 1, 516-518.

Lecture 7 – Tuesday, February 3

Ebenezer Howard (1850-1928) and the Emergence of the Garden City

Required Readings

Creese, W.L., "9. The First Garden City of Letchworth," in The Search for Environment, pp. 203-218.

Howard, E., "Garden Cities of Tomorrow," in Harrison-Moore and Rowe, Architecture and Design, pp. 305-308.

Suggested Readings

Howard, E., Garden Cities of To-morrow.

Fishman, R., Urban Utopias in the Twentieth Century.

Miller, M., Letchworth: The First Garden City.

Purdom, C.B., The Garden City: A Study in the Development of a Modern Town.

Unwin, R., Town Planning in Practice.

Cranz, G., The Politics of Park Design: A History of Urban Parks in America.

Roper, L.W., FLO: A Biography of Frederick Law Olmstead.

Lecture 8 – Thursday, February 5

Art Nouveau architecture and the search for new forms. Victor Horta (1861-1947), Charles Rennie Mackintosh (1868-1928), Antoni y Cornet Gaudi (1852-1926), J.M. Olbrich (1867-1908), Josef Hoffmann (1870-1956), Adolf Loos (1870-1933).

Building: Casa Mila, Barcelona, A. Gaudi, 1906-10

Required Readings

Frampton, K., "4. Structural Rationalism and the Influence of Viollet-le-Duc: Gaudi, Horta, Guimard and Berlage 1880-1910," "5. Charles Rennie Mackintosh and the Glasgow School 1896-1916," "6. The Sacred Spring: Wagner, Olbrich and Hoffman 1886-1912," and "8. Adolf Loos and the crisis of culture 1896-1912," in Modern Architecture: A Critical History (Fourth Edition), pp. 64-73, 74-77, 78-83, 90-95.

Loos, A., "Ornament and Crime," in Harrison-Moore and Rowe, Architecture and Design, pp. 348-354.

Suggested Readings

Pevsner, "Art Nouveau," in Pioneers of Modern Design.

Schmutzler, R., Art Nouveau - N6490 S28.

Collins, G.R., Antonio Gaudi - NA1313 G3A56.

Martinell, C., Gaudi - NA1313 G3M351.

Borsi, F, and Portoghesi, P., Victor Horta - NA1173 H6B6512.

Howarth, T., Charles Rennie Mackintosh - NA997 M22H67.

Brett, D., Charles Rennie Mackintosh: The Poetics of Workmanship.

Lecture 9 – Tuesday, February 10

Frank Lloyd Wright (1867-1959) and new concepts of architectural space.

Building: Ward Willits House, Highland Park, 1901

Required Readings

Frampton, K., "3. Frank Lloyd Wright and the myth of the Prairie 1890-1916," and "21. Frank Lloyd Wright and the Disappearing City 1929-63," in Modern Architecture: A Critical History (Fourth Edition), pp. 57-63, 186-91.

Wright, F.L., "Plasticity," in Harrison-Moore and Rowe, Architecture and Design, pp. 265-66.

Wright, F.L., "The Nature of Materials," in Harrison-Moore and Rowe, Architecture and Design, pp. 267-269.

Suggested Readings

Collins, P., Changing Ideals in Modern Architecture, Chap. 24.

van de Ven, C., Space in Architecture.

Gill, B., Many Masks: A Life of Frank Lloyd Wright - NA737 W7G54.

Hildebrand, G., The Wright Space - NA737 W7H46.

Hitchcock, H.-R., In the Nature of Materials 1887-1941.

Wright, F.L., An Autobiography.

Wright, F.L., The Natural House.

Wright, F.L., "The Destruction of the Box," in Kaufmann, E. and Raeburn, B., eds., Frank Lloyd Wright: Writings and Buildings.

Lecture 10 – Thursday, February 12

Representation from 1400 to the Present: Perspective to Cubism.

Required Readings

Porter, T., "Short History of Spatial Representation," in How Architects Visualize, pp. 1-14.

Evans, R., "Translations from Drawing to Building," in AA Files 12, pp. 3-18.

Suggested Readings

Panofsky, E., Perspective as Symbolic Form - NC750 P2313.

White, J., The Birth and Rebirth of Pictorial Space - NC750 W48.

Edgerton, S., The Renaissance Rediscovery of Linear Perspective - NC748 E33.

Alberti, L.B., On Painting.

Della Francesca, P., "On the Perspective of Painting" in Holt, E.G., ed., A Doc. History of Art, Vol. I.

Wilton-Ely, J., The Mind and Art of Giovanni Battista Piranesi - NE662 P5W54.

Evans, R., The Projective Cast.

Pérez-Gómez, A. and Pelletier, L., Architectural Representation and the Perspective Hinge.

Fry, E., Cubism.

Block Week/Reading Week – February 16-20, 2015

Lecture 11 – Tuesday, February 24

The Influence of Painting and Sculpture 1: the Avant-Garde Movements (Deutscher Werkbund, Expressionism, the Bauhaus). Peter Behrens (1868-1940), Bruno Taut (1880-1938), E. Mendelsohn (1887-1953), Walter Gropius (1883-1969).

Building: Bauhaus, Dessau, Walter Gropius, 1925-26

Required Readings

Frampton, K., "12. The Deutsche Werkbund 1898-1927," "13. The Glass Chain: European Architectural Expressionism 1919-25," and "14. The Bauhaus: the evolution of an idea 1919-32," in Modern Architecture: A Critical History (Fourth Edition), pp.109-15, 116-22, 123-29.

Behrens, P., "The Turbine Hall of the AEG," in Harrison-Moore and Rowe, Architecture and Design, pp. 368-369.

Gropius, W., "Programme of the Staatliche Bauhaus in Weimar," in Harrison-Moore and Rowe, Architecture and Design, pp. 376-378.

Brandt, M., "Letter to the Younger Generation," in Harrison-Moore and Rowe, Architecture and Design, pp. 379-381.

Jacques, A., "The Programmes of the Architectural Section of the Ecole des Beaux-Arts," in Harrison-Moore and Rowe, Architecture and Design, pp. 284-290.

Suggested Readings

Naylor, G., Bauhaus.

Nerdinger, W., Walter Gropius.

El Lissitzky, Russia: An Architecture for World Revolution.

Cooke, C., Russian Avant-Garde: Theories of Art, Architecture and the City.

Lecture 12 – Thursday, February 26

The Influence of Painting and Sculpture 2: the Avante-Garde Movements (Cubism, Futurism, De Stijl, Constructivism). Antonio Sant'Elia (1880-1916), Theo van Doesburg (1883-1931), Gerrit Rietveld (1888-1964), El Lissitzky (1890-1941), Vladimir Tatlin (1885-1953), Konstantin Melnikov (1890-1974), Ivan Leonidov (1902-1959).

Building: Schroder House, Utrecht, Gerrit Rietveld, 1924.

Required Readings

Frampton, K., "7. Antonio Sant'Elia and Futurist architecture 1909-14," "16. De Stijl: the evolution and dissolution of Neo-Plasticism 1917-31," and "19. The New Collectivity: art and architecture in the Soviet Union 1918-32," in Modern Architecture: A Critical History (Fourth Edition), pp. 84-89, 142-48, 167-77.

Sant'Elia, A., "Manifesto of Futurist Architecture," in Harrison-Moore and Rowe, Architecture and Design, pp. 364-376.

Van Doesburg, T., "Report of the De Stijl Group," in Harrison-Moore and Rowe, Architecture and Design, pp. 402.

Suggested Readings

Collins, P., Changing Ideals in Modern Architecture, Chap. 23.

Banham, R., "Architecture and the Cubist Tradition," in Theory and Design in the First Machine Age.

Warncke, C.-P., De Stijl 1917-31.

Doig, A., Theo van Doesburg: Painting into Architecture, Theory and Practice.

Poggioli, R., The Theory of the Avant-Garde.

De Stijl, "Manifesto V," in Conrads, U., Programs and manifestoes on 20th-century arch.

Sant'Elia, A. and Marinetti, F.T., "Futurist Architecture," in Conrads, U., Programs and manifestoes on 20th-century arch.

Lecture 13 – Tuesday, March 3

Slide Test 1

Lecture 14 – Thursday, March 5

Le Corbusier (1887-1965) and the Mechanical Analogy.

Building: La Tourette, near Lyons, 1957-60

Required Readings

Frampton, K., "17. Le Corbusier and the Esprit Nouveau 1907-31," "20. Le Corbusier and the Ville Radieuse 1928-46," and "25. Le Corbusier and the monumentalization of the vernacular 1930-60," in Modern Architecture: A Critical History (Fourth Edition), pp. 149-60, 178-85, 224-30.

Le Corbusier, "From Towards a New Architecture," in Harrison-Moore and Rowe, Architecture and Design, pp. 403-410.

Suggested Readings

Raeburn, M. and Wilson, V., eds., Le Corbusier: Architect of the Century.

Frampton, K., Le Corbusier.

Benton, T., The Villas of Le Corbusier, 1920-1930.

Brooks, H.A., ed., Le Corbusier.

Curtis, W.J.R., Le Corbusier: Ideas and Forms.

Rowe, C., The Mathematics of the Ideal Villa and Other Essays.

von Moos, S., Le Corbusier: Elements of a Synthesis.

Jencks, C., Le Corbusier and the Tragic View of Architecture.

Summerson, J., "Architecture, Painting and Le Corbusier," in Heavenly Mansions.

Lecture 15 – Tuesday, March 10

New Objectivity, the International Style and the Modernist City (CIAM). Tony Garnier (1869-1948), Richard Neutra (1892-1970), M. Brinkman (1902-1949) & L.C. van der Vlugt (1894-1936), G. Howe (1886-1955) & W. Lescaze (1896-1969), and O. Niemeyer (1907-).

Building: Van Nelle Factory, Rotterdam, Brinkman and Van der Vlugt, 1927-29

Required Readings

Frampton, K., "15. The New Objectivity: Germany, Holland and Switzerland 1923-33," and "1. The International Style: theme and variations 1925-65," in Modern Architecture: A Critical History (Fourth Edition), pp. 130-41, 248-61.

CIAM, "Reaffirmation of the Aims of CIAM," in Harrison-Moore and Rowe, Architecture and Design, pp. 441-444.

Suggested Readings

Hitchcock, H.-R., and Johnson, P., The International Style.

Weston, R., Modernism.

Colquhoun, A., Modern Architecture.

"Leen Van der Vlugt," Wiederhall 14.

Hines, T., Richard Neutra and the Search for Modern Architecture.

Neutra, R., Survival Through Design.
Niemeyer, O., The Curves of Time: the Memoirs of Oscar Niemeyer.
Pommer, R., Weissenhof 1927 and the Modern Movement in Architecture.
Frampton, K. et al, Building Brasilia.

Lecture 16 – Thursday, March 12

Masters of Modern Architecture: Mies van der Rohe (1886-1969), Alvar Aalto (1896-1976), and Louis Kahn (1901-1974).

Buildings: Barcelona Pavilion, Barcelona, Mies van der Rohe, 1929; Saynatsalo Town Hall, Saynatsalo, Alvar Aalto, 1949-52; Salk Institute, La Jolla, Louis I. Kahn, 1959-65

Required Readings

Frampton, K., “18. Mies van der Rohe and the significance of fact 1921-33,” “22. Alvar Aalto and the Nordic Tradition: National Romanticism and the Doricist sensibility 1895-1957,” “26. Mies van der Rohe and the monumentalization of technique 1933-67,” and “27. The Eclipse of the New Deal: Buckminster Fuller, Philip Johnson and Louis Kahn 1934-64,” in Modern Architecture: A Critical History (Fourth Edition), pp. 161-66, 192-202, 231-37, 238-246.

Kahn, L., “Monumentality,” in Harrison-Moore and Rowe, Architecture and Design, pp. 434-440.

Suggested Readings

Van der Rohe, M., “Explanation of the Educational Program,” in Harrison-Moore and Rowe, Architecture and Design.

Aalto, A., “The Trout and the Stream,” in Schildt, G., Alvar Aalto, In His Own Words.

Lambert, P., ed., Mies in America.

Zukowsky, T., ed., Mies Reconsidered.

Quetglas, J., Fear of Glass: Mies van der Rohe’s Pavilion in Barcelona.

Pallasmaa, J., ed., Alvar Aalto: Villa Mairea.

Weston, R., Alvar Aalto.

Weston, R., Town Hall, Saynatsalo (Alvar Aalto).

Brownlee, D.B. and De Long, D.C., Louis I. Kahn: In the Realm of Architecture.

Benedikt, M., Deconstructing the Kimbell.

Steele, J., Salk Institute (Louis I. Kahn).

Lecture 17 – Tuesday, March 17

Architecture and the State. Berlin and the Third Reich, 1929-41. Fascist Rome, 1931-42. Soviet Moscow, 1931-38.

Required Readings

Frampton, K., “23. Giuseppe Terragni and the architecture of Italian Rationalism 1926-43,” and “24. Architecture and the State: ideology and representation 1914-43,” in Modern Architecture: A Critical History (Fourth Edition), pp. 203-09, 210-23.

Suggested Readings

Borsi, F., The Monumental Era: European Architecture and Design 1929-39.

Kostof, S., The Third Rome 1870-1950.

Miller Lane, B., Architecture and Politics in Germany 1918-1945.

Speer, A., Inside the Third Reich, Memoirs.

Van Pelt, R.J. and Dwork, D., Auschwitz. 1270 to the Present.

Bergoll, B., European Architecture 1750-1890.

Paxton, R.O., The Anatomy of Fascism.

Lecture 18 – Thursday, March 19

Critiques of Modernism 1: New Brutalism, Team 10, Rationalism. Alison Smithson (1928-1993), Peter Smithson (1923-2003), Aldo Van Eyck (1918-1999), Aldo Rossi (1931-1997).

Building: Free University, Berlin, Woods and Schiedhelm, 1963-73

Required Readings

Frampton, K., “2. New Brutalism and the architecture of the Welfare State: England 1949-59,” “3. The vicissitudes of ideology: CIAM and Team X, critique and counter-critique 1928-68,” in Modern Architecture: A Critical History (Fourth Edition), pp. 262-68, 269-79.

Banham, R., "Functionalism and Technology," in Harrison-Moore and Rowe, Architecture and Design, pp. 445-454.

Suggested Readings

Jencks, C., The Language of Post-Modern Architecture.
Smithson, A., Team 10 Primer.
Rossi, A., The Architecture of the City.
Rossi, A., A Scientific Autobiography.
Venturi, R., Complexity and Contradiction in Architecture.

Lecture 19 – Tuesday, March 24

Critiques of Modernism 2: Post-Modernism/Populism, High-Tech (Archigram, Metabolism), Deconstruction: Robert Venturi (1925-), Charles Moore (1925-1993), James Stirling (1926-1992), Peter Cook (1936-), Norman Foster (1935-), Richard Rogers (1933-), Kisho Kurokawa (1934-2007), Renzo Piano (1937-), Peter Eisenman (1932-), Frank Gehry (1929-), Daniel Libeskind (1946-), Rem Koolhaas (1944-), Bernard Tschumi (1944-).
Building: Vanna Venturi House, Philadelphia, Robert Venturi, 1964

Required Readings

Frampton, K., "4. Place, Production and Scenography: international theory and practice since 1962," and "7. Architecture in the Age of Globalization: topography, morphology, sustainability, materiality, habitat and civic form 1975-2007," in Modern Architecture: A Critical History (Fourth Edition), pp. 280-313, 344-89.
Jencks, C., "The Death Of Modern Architecture," in Harrison-Moore and Rowe, Architecture and Design, pp. 455-464.

Suggested Readings

Koolhaas, R., Delirious New York.
Koolhaas, R., S, M, L, XL.
Bedard, J.F., ed., Cities of Artificial Excavation: The Work of Peter Eisenman, 1978-88.

Lecture 20 – Thursday, March 26

Critiques of Moderns 3: Critical Regionalism: Luis Barragan (1902-1987), Carlo Scarpa (1906-1978), Jorn Utzon (1918-2008), Alvaro Siza (1933-), Glenn Murcutt (1936-), Tadao Ando (1941-).
Building: Castelvecchio Museum, Verona, Carlo Scarpa, 1959-73

Required Readings

Frampton, K., "5. Critical Regionalism: modern architecture and cultural identity, and "6. World architecture and reflective practice," in Modern Architecture: A Critical History (Fourth Edition), pp. 314-27, 328-43.
Frampton, K., "Towards a Critical Regionalism," in Harrison-Moore and Rowe, Architecture and Design, pp. 465-478.

Suggested Readings

Dal Co, F. and Mazzariol, G., Carlo Scarpa: The Complete Works.
Frampton, K., Alvaro Siza: Complete Works.
Barragan Foundation, Luis Barragan: The Quiet Revolution.
Weston, R., Jorn Utzon.
Dal Co., F., Tadao Ando: Complete Works.
Stewart, D.B., The Making of a Modern Japanese Architecture, 1868 to the Present.
Crouch, D. and J. Johnson, Traditions in Architecture.
Isozaki, A., Japan-ness in Architecture.

Lecture 21 – Tuesday, March 31

Modern Architecture in Canada 1: West Coast, Central Canada, and Expo 67. Ron Thom (1923-1986), Arcop Associates, Ray Affleck (1922-1989), Arthur Erickson (1924-2009), J. Diamond (1932-) & B. Myers (1934-), Patricia Patkau (1950-) and John Patkau (1947-).
Building: Anthropology Museum, Vancouver, Arthur Erickson, 1976

Required Readings

Kalman, H., A History of Canadian Architecture, Volume 2, pp. 779-808, 826-833.

Suggested Readings

Moore Ede, C., Canadian Architecture 1960/70.

Freedman, A., Sight Lines.
Whiteson, L., Modern Canadian Architecture.
Cawker, R. and Bernstein, W., Contemporary Canadian Architecture.
Simmins, G., Documents in Canadian Architecture.
Rochon, L., Up North.
Shadbolt, D., Ron Thom.
Erickson, A., The Architecture of Arthur Erickson.
Gruft, A., Patkau Architects.
Gruft, A., Substance Over Spectacle: Contemporary Canadian Architecture.
Lemco van Ginkel, B., "Slowly and Surely...", The Canadian Architect, Nov. 1993.

Lecture 22 – Thursday, April 2

Modern Architecture in Canada 2: the Prairies. Jack Long (1925-2001), Clifford Wiens (1926-), Peter Hemingway (1929-1995), Etienne Gaboury (1930-), Douglas Cardinal (1934-), Gordon Atkins (1937-), Fred Valentine (1939-).
Building: St. Mary's Church, Red Deer, Alberta, Douglas Cardinal, 1969

Required Readings

Kalman, H., A History of Canadian Architecture, Volume 2, pp. 812-826.

Suggested Readings

Buchanan, P., "Back to the Future," in Canadian Architect, March 1994.
Cardinal, D., "Museum of Man Proposal, 1983," in Boddy, T., The Architecture of Douglas Cardinal.
Keshavjee, S., ed., Winnipeg Modern.
Boddy, T., Modern Architecture in Alberta.
Smith, T., S. Kaba, and D. Murray, eds., Capital Modern, 1940-1969.
Simmins, G., ed., Calgary Modern.
Flaman, B., Character and Controversy...Modernist Architecture in Saskatchewan.
Boddy, T., The Architecture of Douglas Cardinal.
Livesey, G., Gordon Atkins: Architecture 1960-1995.
Gaboury, E., Etienne Gaboury.
Ylitalo, K., ed., L.F. Valentine: Career Works 1963-2005.

Lecture 23 – Thursday, April 7

A Brief History of Women in Architecture. Catharine Beecher (1800-1878), Julia Morgan (1872-1957), Eileen Gray (1878-1976), Zaha Hadid (1950-).
Building, E-1027 Villa, Roquebrune, Eileen Gray, 1927

Required Readings

Arnold, D., "Reading Architectural Herstories: The Discourses of Gender" in Harrison-Moore and Rowe, Architecture and Design, pp. 172-179.
Walker, L., "Women and Architecture," in Harrison-Moore and Rowe, Architecture and Design, pp. 270-283.

Suggested Readings

Beecher, C. and Beecher Stowe, H., The American Woman's Home.
Torre, S., ed. Women in Architecture: A Historic and Contemporary Perspective.
Hayden, D., The Grand Domestic Revolution.
Berkeley, E.P., ed., Architecture: A Place for Women - NA1997 A74.
Cole, D., From Tipi to Skyscraper: A History of Women in Architecture.
Boutelle, S., Julia Morgan, Architect.
Agest, D., Architecture from Without.
Wright, G., "On the Fringe of the Profession," in Kostof, S., ed., The Architect.
Kanes-Weisman, L., Discrimination By Design.

Lecture 24 – Thursday, April 9

Slide Test 2 – To be confirmed

Lecture 25 – Thursday, April 14

No Class

EVDA 523.02/ARST 457.02 SUGGESTED BOOK REVIEW TEXTS

- A.W.N. Pugin, The True Principles of Pointed or Christian Architecture (1841).
John Ruskin, The Seven Lamps of Architecture (1849).
Catherine Beecher and Harriet Beecher Stowe, The American Woman's Home (1869).
Eugene E. Viollet-le-Duc, Entretiens sur l'architecture (1863-72).
W. Morris, News from Nowhere (1890).
W.R. Lethaby, Architecture, Mysticism and Myth (1892).
Ebenezer Howard, Tomorrow: A Peaceful Path to Real Reform (1898).
C. Sitte, City Planning According to Artistic Principles (1899).
Louis Sullivan, Kindergarten Chats and Other Writings (1885-1906).
Barry Parker and Raymond Unwin, The Art of Building a Home (1901).
Raymond Unwin, Town Planning in Practice (1909).
Le Corbusier, Towards a New Architecture (1923).
Louis Sullivan, The Autobiography of an Idea (1924).
K. Teige, The Minimum Dwelling (1932).
El Lissitzky, Russia: An Architecture for World Revolution (1920s).
M. Ginzburg, Style and Epoch (1924).
W. Gropius, The New Architecture and the Bauhaus (1925).
Le Corbusier, The City of To-morrow and its Planning (1929).
H.R. Hitchcock and P. Johnson, The International Style (1932).
F.L. Wright, The Future of Architecture (1953).
F.L. Wright, The Natural House (1954).
Richard Neutra, Survival Through Design (1954).
Kevin Lynch, The Image of the City (1960).
Reyner Banham, Theory and Design in the First Machine Age (1960).
Robert Venturi, Complexity and Contradiction in Architecture (1966).
Aldo Rossi, The Architecture of the City (1966).
Alison Smithson, Team 10 Primer (1968).
R. Buckminster Fuller, Operating Manual for Spaceship Earth (1968).
Robert Venturi et al, Learning from Las Vegas (1972).
H. Fathy, Architecture For the Poor (1973).
Manfredo Tafuri, Architecture and Utopia (1973).
C. Rowe and F. Koetter, Collage City (1975).
Rem Koolhaas, Delirious New York (1978).
R. Krier, Urban Space (1979).
Christopher Alexander, The Timeless Way of Building (1979).
Christian Norberg-Schulz, Genius Loci: Towards a Phenomenology of Architecture (1980).
Aldo Rossi, A Scientific Autobiography (1981).
M. Wigley and P. Johnson, Deconstructivist Architecture (1988).
Herman Hertzberger, Lessons for Students in Architecture (1991).
Rem Koolhaas, S, M, L, XL (1995).
W.J. Mitchell, City of Bits (1995).
Vittorio Gregotti, Inside Architecture (1996).
Albert Pope, Ladders (1996).
Oscar Niemeyer, The Curves of Time: the Memoirs of... (2000).
P. Eisenman: G. Terragni: Transformations, Decompositions, Critiques (2003).
S. Kieran and J. Timberlake, Refabricating Architecture (2004).

ESSAY TOPICS

Select one of the following topics and examine:

- the concept of 'ugliness' in the work of William Butterfield.
- the notion of Edinburgh as the "Athens of the North."
- the history and impact of F.L. Olmsted's 'Emerald Necklace' park system in Boston.
- the systematic development of reinforced concrete construction in the Perret brothers office in Paris.
- notions of 'home' in the work of C.F.A. Voysey.
- the relationship between house and garden in the works of Edwin Lutyens and Gertrude Jekyll.
- the role of Dankmar Adler in the Adler and Sullivan office.
- the emergence of large professional architectural offices in late 19th century Chicago.
- Thomas Mawson and the spread of City Beautiful principles in Western Canada in early 20th century.
- the role of green space at Letchworth Garden City.
- the impact of local flora on the work of Frank Lloyd Wright.
- the role of craft in the work of Charles Rennie Mackintosh.
- Otto Wagner's designs for the Vienna Stadtbahn, or metropolitan railway system.
- the use of architectural metaphor in the work of Antoni Gaudi.
- the concept of the 'raumplan' in the houses of Adolf Loos.
- potential relations between Cubism and architecture.
- the foundation design course developed by Josef Albers at the Bauhaus.
- spatiality and joinery in the work of Gerrit Rietveld.
- the role of furniture in Eileen Gray's E-1027 house.
- the design and development of the Frankfurt kitchen by G. Shütte-Lihotzky.
- Le Corbusier's project for the Maisons Loucheur.
- themes in the work of Johannes Duiker.
- the bridge designs of Robert Maillart.
- representations of Fascism in the architecture of Giuseppe Terragni.
- themes in the Constructivist work of Ivan Leonidov.
- responses to site at Mies van der Roje's Farnsworth house.
- Pre-fabrication in the work of Buckminster Fuller.
- the post-occupancy studies of Le Corbusier's Unité d'habitation projects.
- the superblock/quadra block design at Brasilia.
- the use of non-rectilinear geometry in late work by Frank Lloyd Wright.
- Alvar Aalto's concepts for Nordic urban centre designs.
- the use of modern technology in the work of Louis I. Kahn.
- Le Corbusier's designs for the Venice hospital project.
- the concept of the "casbah" in Team 10 design.
- the curriculum of the Hochschule für Gestaltung at Ulm in the 1950s.
- the early curriculum of the College of Environmental Design at UC Berkeley in the 1960s.
- Alison and Peter Smithson's concepts for basic house design.
- themes in the work of Superstudio.
- Daniel Libeskind's analysis of Berlin for the Jewish Museum project.
- expressions of unfinished construction in the early work of Frank Gehry.
- the use of colour in the architecture of Luis Barragan.
- Peter Eisenman's concept of "archaeology" in his work of the 1980s.
- the role of "event" in the early work of Rem Koolhaas and OMA.
- the 1970s hi-tech architecture of Diamond and Myers.
- the role of landscape in the work of Canadian Prairie architects.
- Arthur Erickson's Robson Square project as an urban building.

NOTES

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor.
2. It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. (<http://www.ucalgary.ca/drc/node/46>) Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.
3. Plagiarism - Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:(a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(b) parts of the work are taken from another source without reference to the original author,(c) the whole work (e.g., an essay) is copied from another source, and/or,(d) a student submits or presents work in one course which has also been submitted in another course(although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.
4. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material
5. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
6. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)
7. Contact Info for: Student Union (<http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>).
8. At the discretion of the instructor, assignments submitted after the deadline **may** be penalized with the loss of a grade (e.g.: A- to B+) for each day late. The following equivalencies (the University of Calgary has no official percentage scale system) will be used in calculating grades: **A+** (95-100); **A** (90-94.99); **A-** (85-89.99); **B+** (80-84.99); **B** (75-79.99); **B-** (70-74.99); **C+** (65-69.99); **C** (60-64.99); **C-** (55-59.99); **D+** (50-54.99); **D** (45-49.99); **F** (0-44.99).
9. A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript. Final grades will be reported as letter grades, with the final grade calculated according to a 4-point range. Assignments will be evaluated by percentage grades with their letter grade equivalents as shown.