

EVDA 523.02/ARST 457.02

History of Architecture and Human Settlement II: 1750 to Present

Tuesdays and Thursdays, 10:50 -12:20, Room 2160

Instructor: Dr. Graham Livesey

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(Revised: October 10, 2018)

EVDS, University of Calgary

H(3-0) Winter 2019

INTRODUCTION AND TEACHING APPROACH

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 course will address the traditions of the Western world from the Industrial Revolution until the present, and will be delivered using lectures, videos, discussions, quizzes, and readings. The course examines technological, social, and political changes that have transformed the history of architecture since the late eighteenth century. It also presents major movements, figures, and building typologies, along with a particular emphasis on the evolving city during the nineteenth and twentieth centuries. New approaches to representation and its impacts on architecture are also studied, along with the changing role of the architect (including the history of women in architecture). Broad cultural questions of modernity and post-modernity are explored, including such critiques of modernism as critical regionalism (with an emphasis on Japan and Canada).

OBJECTIVES

- Students are expected to learn of the key concepts and figures that have shaped the course of Western architecture and to become familiar with important works, practitioners, theorists and themes. 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.
- 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. Design Theories, Precedents, and Methods, B1. Critical Thinking and Communication, B2. Architectural History

Secondary: B3. Architectural Theory, B4. Cultural Diversity and Global Perspectives

MEANS OF EVALUATION

Quizzes: Quizzes 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. There will not be a Registrar-scheduled final exam.

Term Project: The term project will involve researching a local building designed and constructed since 1945 (see list below). Students will conduct research in archives (including the Canadian Architectural Archives), in situ, and through books and journals. Students are to develop a critical history of the building including information on the architects, clients, design approach, purpose, significance, etc. The deliverables are a 2000 word essay, 4-8 images (including historical and current photos, drawings, etc. with permissions), and a guide book entry (see template). The work is to be gathered into a guide book on modern architecture in Calgary, with 1-2 key images. You will work in pairs to edit and review material as it progresses.

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 the *Chicago Manual of Style* – see below. Students must undertake research that demonstrates an ability to appropriately select and interpret sources (primary versus secondary, print versus digital) – the extensive use of web-based research is discouraged. Papers should include supporting imagery (architectural drawings, photographs, etc.). For further information see:

Chicago Manual of Style Quick Citation: http://www.chicagomanualofstyle.org/tools_citationguide.html
How to write a term paper: <http://hist.ucalgary.ca/sites/hist.ucalgary.ca/files/EssayHandbook1.pdf>

Term Project	50% Draft Due: March 7 Final Version Due: March 28
5 Quizzes	50% January 24, February 7 and 28, March 21, April 11

Readings: Students are expected to complete required readings, suggested readings are provided for reference.

General References

Ariès, P. and Duby, G. eds., *A History of Private Life* (5 vols.).
Benevolo, L., *The History of the City*.
Collins, P., *Changing Ideals in Modern Architecture*.
Curtis, W.J.R., *Modern Architecture Since 1900* (Third edition).
Frampton, K., *Modern Architecture: A Critical History* (4th Edition).
Kostof, S., *A History of Architecture: Settings and Rituals*.
Schoenauer, N., *6,000 Years of Housing*.

COURSE OUTLINE, CONTENT AND SCHEDULE

INTRODUCTION

Session/Lecture 1 (January 10, 2019): Introduction/course requirements. A thematic approach to history. Importance of history for contemporary practice.

TOPIC 1: POLITICS AND ARCHITECTURE

Session/Lecture 2 (January 15): American and French Revolutions. Nineteenth century nationalism and new institutions. Russian Revolution. Totalitarianism, Fascist regimes and architecture.

Required Reading

Bergdoll, B., "5. Nationalism and Stylistic Debates in Architecture," in *European Architecture 1750-1890* (Oxford: Oxford University Press, 2000), pp. 138-170, 282. ISBN 0-19-284222-6, 326 pages.

Lane, B.M., "VIII. Nazi Architecture," in *Architecture and Politics in Germany 1918-1945* (Cambridge, Mass.: Harvard University Press, 1985), pp. 185-216, 265-269. ISBN 0-674-04370-7, 278 pages.

Session 3 – January 17

Videos: British Houses of Parliament (6:27): <https://www.youtube.com/watch?v=7oBUlo5R5gg>
Hitler and Architecture, "Triumph of the Will," Nuremberg, 1934 (10:56):
<https://www.youtube.com/watch?v=cDwEnwxnGjY>
Auschwitz (7:09): <https://www.youtube.com/watch?v=XfFKaDGqxxY>

DISCUSSION

Suggested Readings

Collins, P., "9. Gothic Nationalism" in *Changing Ideals in Modern Architecture*.

Kostof, S., *The Third Rome 1870-1950*.
Paxton, R.O., *The Anatomy of Fascism*.
Van Pelt, R.J. and Dwork, D., *Auschwitz, 1270 to the Present*.

TOPIC 2: TECHNOLOGY AND ARCHITECTURE

Session/Lecture 4 (January 22): Nineteenth Century Rationalism, the Influence of Engineering, and New Materials. Chicago and the invention of the skyscraper. Buckminster Fuller. Archigram. High-Tech architecture.

Required Reading

Straub, H., "Chap. VII. The Industrialization of European Culture," in *A History of Civil Engineering* (Cambridge, Mass.: MIT Press, 1964), pp. 163-186. 258 pages.
Rowe, C., "Chicago Frame," in R. McCarter, ed., *On and By Frank Lloyd Wright: A Primer of Architectural Principles* (London: Phaidon, 2005), pp. 86-101, 356. ISBN 978-0-7148-6316-0, 372 pages.

Session 5 (January 24)

Videos: Louis Sullivan (4:14): <https://www.youtube.com/watch?v=TI4oGSd3vDQ> :
Richard Rogers (7:31): <https://www.youtube.com/watch?v=GwABGZa3T5I>
Renzo Piano (15:03): <https://www.youtube.com/watch?v=GRfudKFLAmI>

DISCUSSION

QUIZ 1

Suggested Readings

Collins, P., "18. The Influence of Civil and Military Engineers," in *Changing Ideals in Modern Architecture*.
Collins, P., *Concrete: The Vision of a New Architecture*.
Ellul, J., *The Technological Society*.
Condit, C.W., *The Chicago School of Architecture*.

TOPIC 3: FUNCTIONALISM, STYLE, AND NEW TYPOLOGIES

Session/Lecture 6 (January 29): New building types: cultural and governmental institutions, housing, etc.

Required Reading

Collins, P., "20. New Planning Problems," in *Changing Ideals in Modern Architecture* (Montreal: McGill-Queen's University Press, 1965), pp. 218-239.. ISBN 0-7735-0048-0, 310 pages.
Foucault, M., "Panopticism," in *Discipline and Punish: The Birth of the Prison* (New York: Vintage Books, 1995), pp. 200-209, 316-317. ISBN 0-679-75255-2, 334 pages.

Session 7 (January 31)

Videos: Prisons (13:28): <https://www.youtube.com/watch?v=daBCfvt5mbI>
Natural History Museum (2:11): <https://www.youtube.com/watch?v=sw3velMQGbk>
Sydney Opera House (9:04): <https://www.youtube.com/watch?v=U-76CEz1r8A>

DISCUSSION

Suggested Readings

Pérez-Gómez, A., "9. Durand and Functionalism," in *Architecture and the Crisis of Modern Science*.
Villari, S., *J.N.L. Durand 1760-1834: Art and Science of Architecture*.
Bergdoll, B. and E. Lessing, *Karl Friedrich Schinkel*.
Viollet-le-Duc, E.E., *The Architectural Theory of Viollet-le-Duc*.
Clark, K., *The Gothic Revival*.
Summerson, J., "William Butterfield, or the Glory of Ugliness," in *Heavenly Mansions*.
Hitchcock, H.-R., *The Architecture of H.H. Richardson*.

TOPIC 4: THE CITY, 1750-2000

Session/Lecture 8 (February 5): The Industrial City. The Transformation of Paris. The Garden City. The Modernist City. Reactions to the Modern City.

Required Reading

- Sutcliffe, A., "6. Paris as the Hub of French Industrialisation: Building a European Capital Under the Second Empire," in *Paris: An Architectural History* (New Haven: Yale University Press, 1993), pp. 83-104, 210-211. ISBN 0-300-05445-9, 222 pages.
- Creese, W.L., "9. The First Garden City of Letchworth," in *The Search for Environment: The Garden City Before and After* (Baltimore: Johns Hopkins University Press, 1992), pp. 203-218. ISBN 0-8018-4363-4, 390 pages.

Session 9 (February 7)

- Videos:**
- Barcelona (5:30): https://www.youtube.com/watch?v=ZORzsubQA_M
 - Letchworth Garden City (5:38): <https://www.youtube.com/watch?v=GEE-3L6kPXg>
 - Chandigarh (4:44): <https://www.youtube.com/watch?v=KZKddmRPFfc>
 - Alison and Peter Smithson (4:19): <https://www.youtube.com/watch?v=PlhpYmlTBhA>
 - Pruitt-Igoe (4:57): https://www.youtube.com/watch?v=1_zFIg8N9Rw

DISCUSSION

QUIZ 2

Suggested Readings

- Morris, A.E.J., *History of Urban Form*.
- Choay, F., *The Modern City: Planning in the 19th Century*.
- Sennett, R., *The Fall of Public Man*.
- Howard, Ebenezer, *Garden Cities of To-Morrow*
- Fishman, R., *Urban Utopias in the Twentieth Century*.
- Cranz, G., *The Politics of Park Design: A History of Urban Parks in America*.

TOPIC 5: THE INFLUENCE OF WILLIAM MORRIS

Session/Lecture 10 (February 12): Arts and Crafts Movement. William Morris. Art Nouveau. Deutscher Werkbund and the Bauhaus. Walter Gropius and Mies van der Rohe.

Required Reading

- Pevsner, N., "1. Theories of Art from Morris to Gropius," in *Pioneers of Modern Design* (Harmondsworth: Penguin Books, 1960), pp. 19-39, 219-224. ISBN 0-14-02.0497-0, 264 pages.
- Colquhoun, A., "8. Weimar Germany: the Dialectic of the Modern 192-33," in *Modern Architecture* (Oxford: Oxford University Press, 2002), pp. 158-181, 259-260. ISBN 0-19-284226-9, 288 pages.

Session 11 (February 14)

- Videos:**
- Arts and Crafts (12:20): <https://www.youtube.com/watch?v=sjdCOUGrNK8>
 - Antoni Gaudi (3:53): https://www.youtube.com/watch?v=TqMn0_k3kAQ
 - The Bauhaus (14:36): <https://www.youtube.com/watch?v=yWjwqGQ5QcY>

DISCUSSION

Suggested Readings

- Ruskin, J., *The Seven Lamps of Architecture*.
- Pugin, A.W.N, *An Apology for The Revival of Christian Architecture in England*.
- Morris, W., *News From Nowhere and Selected Writings*.
- Rybczynski, W., *Home: A Short History of an Idea*.
- Schmutzler, R., *Art Nouveau*.
- Brett, D., *Charles Rennie Mackintosh: The Poetics of Workmanship*.
- Loos, A., "Ornament and Crime," in Harrison-Moore and Rowe, *Architecture and Design*.
- Muthesius, H., *The English House*.
- Naylor, G., *The Bauhaus*.

Gropius, W., *The New Architecture and the Bauhaus*.
Banham, Reyner, *Theory and Design in the First Machine Age*.

TERM BREAK: February 18-22

TOPIC 6: REPRESENTATION, 1750-2000

Session/Lecture 12 (February 26): Piranesi. Photography. Impressionism. Cubism. Avant-Gardism. Modern Movements. Architectural Education.

Required Reading

Porter, T., "1. Short History of Spatial Representation," in *How Architects Visualize* (London: Studio Vista, 1979), pp. 1-14, 115. ISBN 0-289-70862-1, 120 pages.

Hewitt, M., "Representational Forms and Modes of Conception: An Approach to the History of Architectural Drawing," *Journal of Architectural Education*, Vol. 39, No. 2 (Winter, 1985), pp. 2-9.

Session 13 (February 28)

Videos: Cubism (6:35): <https://www.youtube.com/watch?v=1E91KmfUGY>
Futurism (5:05): <https://www.youtube.com/watch?v=WAWjiWqPYR0>
Mark Rothko (5:39): <https://www.youtube.com/watch?v=6uvCPBsyMiA>
David Hockney (2:23): <https://www.youtube.com/watch?v=rz5vWgKy2Sc>
Daniel Libeskind (1:42): <https://www.youtube.com/watch?v=jeERzO-v7fM>

DISCUSSION

QUIZ 3

Suggested Readings

Evans, R., "Translations from Drawing to Building," in *AA Files*, No. 12, (Summer 1986), pp. 3-18.

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

Evans, R., *The Projective Cast*.

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

Fry, E., *Cubism*.

Collins, P., "23. The Influence of Painting and Sculpture," *Changing Ideals in Modern Architecture*.

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

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

Kostof, S., ed., *The Architect: Chapters in the History of the Profession*.

Ockman, J., ed., *Architecture School: Three Centuries of Educating Architects in North America*.

TOPIC 7: FRANK LLOYD WRIGHT AND LE CORBUSIER

Session/Lecture 14 (March 5): Free Plan versus Open Plan. Prairie House versus the Corbusian Villa. Approaches to institutional buildings.

Required Reading

Curtis, W.J.R., "7. The Architectural System of Frank Lloyd Wright," in *Modern Architecture Since 1900* (London: Phaidon, 1996), pp. 112-129, 698. ISBN 0-7148-33568, 736 pages.

Frampton, K., "2. Towards a New Architecture 1915-1927," in *Le Corbusier* (London: Thames & Hudson, 2001), pp. 20-45, 230. ISBN 0-500-20341-5, 240 pages.

Session 15 (March 7)

Videos: Frank Lloyd Wright (6:16) - <https://www.youtube.com/watch?v=V3VmhLB7IqM>
Frank Lloyd Wright, Robie House (8:18) - https://www.youtube.com/watch?v=gmjw_c_T-EM
Le Corbusier, Villa Savoye (23:46) - <https://www.youtube.com/watch?v=4017y-3Wvcg>

DISCUSSION

Suggested Readings

Frampton, K., *Modern Architecture: A Critical History* (4th Edition).

Wright, Frank Lloyd Wright, *The Natural House*.
McCarter, R., ed., *On and By Frank Lloyd Wright*.
Kaufmann, E. and Raeburn, B., eds., *Frank Lloyd Wright: Writings and Buildings*.
Brooks, H.A., ed., *Writings on Wright*.
Rowe, Colin, *The Mathematics of the Ideal Villa and Other Essays*.
Le Corbusier, *Towards a New Architecture*.
Raeburn, M. and Wilson, V., eds., *Le Corbusier: Architect of the Century*.
Benton, T., *The Villas of Le Corbusier, 1920-1930*.
Curtis, W.J.R., *Le Corbusier: Ideas and Forms*.
von Moos, S., *Le Corbusier: Elements of a Synthesis*.
Cohen, Jean-Louis, ed., *Le Corbusier: An Atlas of Modern Landscapes*.

BLOCK WEEK: March 11-15

TOPIC 8: MODERNISM AND INTERNATIONALISM

Session/Lecture 16 (March 19): Defining an international style. Functionalism. Mies van der Rohe and Alvar Aalto.

Required Reading

Frampton, K., "1. The International Style: theme and variations 1925-65," in *Modern Architecture: A Critical History* (London: Thames & Hudson, 2007), pp. 248-261, 405-406. ISBN 978-0-500-20395-8, 424 pages.
Frampton, K., "The Legacy of Alvar Aalto," in *Labour, Work and Architecture* (London: Phaidon, 2002), pp. 235-253, 340-342. ISBN 0-7148-4080-7, 352 pages.

Session 17 (March 21)

Videos: Mies van der Rohe (5:41)- <https://www.youtube.com/watch?v=M9i52rEDCqQ>
Alvar Aalto (14:14) - https://www.youtube.com/watch?v=SmBi_T-3ZAA
Oscar Niemeyer (10:38)- <https://www.youtube.com/watch?v=omdpu9LjCNc>

DISCUSSION

QUIZ 4

Suggested Readings

Hitchcock, H.-R., and Johnson, P., *The International Style*.
Weston, R., *Modernism*.
Mumford, E., *The CIAM Discourse on Urbanism, 1928-1960*.
Pommer, R., *Weissenhof 1927 and the Modern Movement in Architecture*.
Zukowsky, J., ed., *Mies Reconsidered: His Career, Legacy, and Disciples*.
Hines, Thomas S., *Richard Neutra and the Search for Modern Architecture*.
Neutra, R., *Survival Through Design*.
Weston, R., *Alvar Aalto*.
Brownlee, D.B. and De Long, D.C., *Louis I. Kahn: In the Realm of Architecture*.
Niemeyer, O., *The Curves of Time: the Memoirs of Oscar Niemeyer*.
Frampton, K. et al, *Building Brasilia*.

TOPIC 9: POSTMODERNISM

Session/Lecture 18 (March 26): Team 10, Rationalism, Populism, Structuralism/Deconstruction/Post-Structuralism.

Required Reading

Ghirardo, D., "Introduction," in *Design After Modernism* (New York: Thames and Hudson, 1996), pp. 7-42. ISBN 0-500-20294-x, 240 pages.
Venturi, R., "1. Nonstraightforward Architecture: A Gentle Manifesto," "2. Complexity and Contradiction vs. Simplification or Picturesqueness," and "3. Ambiguity," in *Complexity and Contradiction in Architecture* (New York: Museum of Modern Art, 1977), pp. 16-22, 132. ISBN 0-87070-282-3. 136 pages.

Session 19 (March 28)

- Videos:** Robert Venturi and Denise Scott Brown (4:15): <https://www.youtube.com/watch?v=yF7wYcP0Yv4>
Aldo Rossi ():
Peter Eisenman (4:38): <https://www.youtube.com/watch?v=ZNgv2hD4FWI>
Rem Koolhaas (4:56): <https://www.youtube.com/watch?v=J0MZabpt-aY>
Thom Mayne and Morphosis (7:03): <https://www.youtube.com/watch?v=DyTqXqYUp68>

DISCUSSION

Suggested Readings

- Smithson, A., *Team 10 Primer*.
Rossi, A., *The Architecture of the City*.
Jencks, C., *The Language of Post-Modern Architecture*.
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*.
Norris, C. and A. Benjamin, *What is Deconstruction?*
Wigley, M. and P. Johnson, *Deconstructivist Architecture*.
Benedikt, M., *Deconstructing the Kimbell*.
Lucan, J., *Composition, Non-Composition: Architecture and Theory in the 19th and 20th Centuries*.

TOPIC 10: CRITICAL REGIONALISM

Session/Lecture 20 (April 2): Regionalism, and Modern Architecture in Japan and Canada.

Required Reading

- Frampton, K., "Towards a Critical Regionalism: Six Points for an Architecture of Resistance," in H. Foster, ed., *Postmodern Culture* (London: Pluto Press, 1987), pp. 16-30. ISBN 0-7453-0003-0, 160 pages.
Whiteson, L., "Modern Canadian Architecture: A General Introduction," in *Modern Canadian Architecture* (Edmonton: Hurtig Publishers, 1983), pp. 9-21. ISBN 0-88830-248-7, 272 pages.

Session 21 (April 4)

- Videos:** Kenneth Frampton () -
Kisho Kurokawa (7:11) - <https://www.youtube.com/watch?v=9roy5mbz5fk>
Arthur Erickson (4:15) - <https://www.youtube.com/watch?v=VlidXiuXth8>
Douglas Cardinal (4:40) - <https://www.youtube.com/watch?v=Hk56zaW23ow>

DISCUSSION

Suggested Readings

- Lefaivre, L. and A. Tzonis, *Critical Regionalism: Architecture and Identity in a Globalized World*.
Tzonis, A. and L. Lefaivre, "The Grid and the Pathway," *Architecture in Greece*, No. 5, (1981).
Dal Co., F., *Tadao Ando: Complete Works*.
Isozaki, A., *Japan-ness in Architecture*.
Erickson, Arthur, *The Architecture of Arthur Erickson*.
Kalman, H., *A History of Canadian Architecture, Volume 2*.
Shadbolt, D., *Ron Thom*.
Gruft, A., *Patkau Architects*.
Gruft, A., *Substance Over Spectacle: Contemporary Canadian Architecture*.
Boddy, Trevor, *The Architecture of Douglas Cardinal*.
Buchanan, P., "Back to the Future," in *Canadian Architect*, March 1994.
Liscombe R.W. and M. Sabatino, *Canada: Modern Architectures in History*.

TOPIC 11: WOMEN AND ARCHITECTURE

Session/Lecture 22 (April 9) A brief history of women in architecture in the UK, USA, and Canada.

Required Reading

Wright, G., "10. On the Fringe of the Profession: Women in American Architecture," in S. Kostof, ed., *The Architect: Chapters in the History of the Profession* (Berkeley: U. of California Press, 2000), pp. 280-308. ISBN 0-520-22604-6, 386 pages.

Lemco van Ginkel, Blanche, "Slowly and Surely (But Somewhat Painfully) More or Less the History of Women in Architecture in Canada," *The Canadian Architect*, (November 1993), pp. 15-17.

Session 23 (April 11)

Videos: Julia Morgan (7:32) - <https://www.youtube.com/watch?v=60C-81gRUG8>
Women and Wright (2:11) - <https://www.youtube.com/watch?v=SY02yEi3nbA>
Zaha Hadid (10:16) - https://www.youtube.com/watch?v=kp_ZTnanbZ8

DISCUSSION

QUIZ 5

Suggested Readings

Arnold, D., "Reading Architectural Herstories: The Discourses of Gender" in *Reading Architectural History*.

Walker, L., "Women and Architecture," in Harrison-Moore and Rowe, *Architecture and Design*.

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..*

Cole, D., *From Tipi to Skyscraper: A History of Women in Architecture*.

Boutelle, S., *Julia Morgan, Architect*.

Kanes-Weisman, L., *Discrimination By Design*.

120 BUILDINGS: CALGARY MODERN ARCHITECTURE 1945-2015

April 24, 2018

Downtown /East Village

- Barron Building, 610 – 8 Avenue SW (Stevenson, Cawston & Stevenson), 1949-51
- Petro-Chemical Building, 805 – 8 Avenue SW (Stevenson & Dewar), 1955-58
- Eleveden Centre, 707-727 – 7 Avenue SW (Rule, Wynn & Rule), 1959-64
- +15 System (Affleck, Desbarats, Dimakoplous, Lebensold, Sise/H. Hanen/D. Diver), c. 1960s-Present
- Centennial Planetarium, 701 – 11 Street SW (McMillan, Long & Associates, Chomik), 1965-67
- Calgary Tower, 101 – 9 Avenue SW (A. Dale and Assoc.), 1967-68
- Calgary Board of Education, 515 Macleod Trail SE (Stevenson, Raines, Barrett, Hutton, Seton), 1969
- Fire Station No. 1, 450 – 1 Street SE (W.G. Hames & Assoc.), 1972-73
- Glenbow Museum, 130 – 9 Avenue SE (A. Dale & Associates), 1971-75
- Nova Building, 801 – 7 Avenue SW (J.H. Cook Architects), 1978-82
- Toronto-Dominion Square, 317 – 7 Avenue SW (SOM/J.H. Cook Architects), 1972-77
- Eau Claire Estates, 500 Eau Claire Avenue SW (SOM/Chandler Kennedy Arch'al Group), 1980-83
- Petro-Canada Centre, 111 – 5 Avenue and 150 – 6 Avenue SW (WZMH), 1979-84
- LRT System (Various), 1980-Present
- Calgary Municipal Building, 800 Macleod Trail SE (C. Ballyn Architect/WZMH), 1981-85
- Banker's Hall, 855 – 2 Street and 888 – 3 Street SW (Cohos Evamy Partners), 1986-00
- Peace Bridge (Santiago Calatrava)
- The Bow (Foster + Partners, Zeidler Partnership), 2006-11
- Studio Bell/National Music Centre (Allied Works, Kasian)
- New Central Library (Snøhetta, DIALOG)
- Telus Sky (BIG, DIALOG)

Southwest

- Dmitri Skaken Residence, 1131 Colborne Crescent SW (Anonymous), 1947
- Meyer Katchen Residence, 800 Prospect Avenue SW (Clayton, Bond and Mogridge), 1954
- Rideau Towers, 3316-3339 Rideau Place SW (Peter Caspari/Stevenson Raines), 1954-55
- Trend House, 730 – 47 Avenue SW (Rule, Wynn and Rule), 1957
- Residence, 3951 Edison Crescent SW (Rule, Wynn and Rule?), 1950s
- St. Mary's Roman Catholic Church, 218 – 18 Avenue SW (Maxwell Bates and Alfred Hodges), 1954-57
- Franklin House Apartments, 1206 – 6 Street SW (Jack Long), 1962-65
- Kelvin Grove Patio Apartments, 6919 Elbow Drive SW (Jack Long), 1963-64
- [- Graham-Brown Residence, 715 Sifton Boulevard SW (Jack Long), 1963 – Demolished]
- [- Shaarey Tzedec Synagogue, 103 – 17 Avenue SW (Abugov and Sunderland), 1959 – Demolished]
- Chesed Shel Emes, 1702 – 17 Avenue SW (W.G. Milne), 1959-61
- Lacey Court, 344 – 12 Avenue SW (?), 1960s
- Earl Grey Elementary School Addition, 845 Hillcrest Avenue SW (Bill Boucock Assoc.), 1967
- St. Andrew's United Church, 924 Heritage Drive SW (Bill Boucock Architects), 1967-69
- Mount Royal College, 4825 Richard Road SW (Raines Finlayson Barrett Partners), 1968-72
- Leavitt Residence, 920 Prospect Avenue SW (Gordon Atkins), 1970
- St. Stephen's Byzantine Ukrainian Catholic Church, 4903 – 45 Street SW (Radoslav Zuk/Hugh McMillan), 1979-82
- Transalta Utilities Corp. Head Office Expansion, 110 – 12 Avenue SW (J.H. Cook Architects), 1979-83
- Residence, 4015 – 5 Street SW (Gerald Forseth Architect), 1981
- Hanen Residence, 2747 Wolfe Street SW (Harold Hanen), 1980s
- Alexander Calhoun Public Library, 3223 – 14 Street SW (Ken Hutchinson Architect Ltd.), 1981-84
- Canada Olympic Park, 88 Canada Olympic Road SW (Cook, Culham, Montgomery, Pedersen, Valentine), 1984-86
- Connaught Gardens, 1038 – 13 Avenue SW (Jenkins & Sturgess), 1992-93
- Residence, 407 – 33 Avenue SW (Jenkins and Assoc.), 1993
- Olympic Heights School, 875 Strathcona Drive SW (Culham Pedersen Valentine), 1991
- Residence, 629 Sifton Boulevard SW (Patkau Architects), 1999
- Newzones Gallery, 730 – 11 Avenue SW (Peter Wood), 1994-98
- Zenith House, 910 Prospect Avenue SW (Peter Wood), 2000
- Athletic and Wellness Centre, Mount Royal College (Graham Edmunds), 2000-02
- Calgary Ophthalmology Centre, 49 Richard Way SW (Dale Taylor/MDB Design), 2001-03
- House on a Ridge, 925 Ridge Road SW (Sturgess Architecture), 2002
- Rouleau Premier Apartments, 111 – 25 Avenue SW (Busby Perkins + Will), c. 2003
- Centre for Continuing Learning, Mount Royal College (Stantec/Hotson Bakker Boniface Haden), 2005-06*
- Condominium, 1508 – 6 Street SW (orda), c. 2005
- Residence, 2000 – 9 Street SW (Housebrand/John Brown), 2007
- Sims Residence, 3018 – 3 Street SW (Marc Boutin Architecture Collaborative), 2007
- Boutin/Morgan Residence

Northwest

- Sears, North Hill Mall, 1616 – 14 Avenue NW (?), 1950s
- Residence, 1420 Windsor Street NW (?), 1950s
- Jubilee Auditorium, 1415 – 14 Avenue NW (Alta. Dept of Pub. Works/Culham Pedersen Valentine (Stantec)), c. 1954-57, 2005
- St. Luke's Catholic Church, 1566 Northmount Drive NW (Cohos, Delesalle & Evamy), 1964-68, 2003-05
- Canadian Martyr's Catholic Church, 835 Northmount Drive NW (?), 1960s
- Kabfleisch Residence, 2604 Toronto Crescent NW (John Hondema, Forseth), 1965
- Queen Elizabeth School Library Addition, 512 – 18 Street NW (J.J. Smart), 1967-68
- Infill Residence, 442 – 12 Street NW (McKellar Architects), c. 1977
- Café Calabash, 107 – 10A Street NW (Daniel H. Jenkins Architect), 1978-80
- Reeve Theatre, University of Calgary (Hugh McMillan Architect Ltd.), 1978-81
- Plaza 14, 811 – 14 Street NW (Anonymous), 1980-81
- Shouldice Park Field House, 1515 Home Road NW (Gordon Atkins & Associates), 1980-83
- Olympic Oval, University of Calgary (Graham McCourt), c. 1988
- Kensington Pointe Building, 1211 Kensington Road NW (Jenkins & Sturgess), 1988-90
- N. Mount Pleasant Arts Centre, 523 – 27 Avenue NW (Simpson Roberts Wappel), c. 1993-94
- Tom Baker Cancer Centre Addition, 1331 – 29 Street NW (Chomik Arch'al Group/HFKS), 1994-98

- Heart Building, SAIT (Cohos Evamy Partners/Simpson Roberts), 1999-01
- Condominium, 2112 Westmount Road NW (Down + Livesey Architects), c. 2000
- ICT Building, University of Calgary (Stantec, HOK, Barry Johns), 2001
- Child Development Centre, University of Calgary (Kasian), 2007
- Student Residence, SAIT (Bing Thom/GEC), 2008
- International House, University of Calgary (Baird Sampson Neufert/Riddell Kurczaba), 2006-
- EEEL Project, University of Calgary (Cohos Evamy Partners/Busby, Perkins & Will), 2006-
- Alma/International House (Baird Samson Neuert, Riddell Kurczaba)
- Schulich Engineering (Diamond Schmidt)
- Rocky Ridge Recreation Centre (GEC)

Northeast

- Calgary International Airport, 2000 Airport Road NE (Raines Finlayson Barrett and Partners/Various), c. 1970-77, 2000-Present
- Mayland Heights Elementary School, 2324 Maunsell Drive NE (Gordon Atkins and Associates), 1968
- Deerfoot Atria , 6715 – 8 Street and 6815 – 8 Street NE (Thom Partnership), 1979-81
- Ismaeli Jamatkhana and Centre, 4623 – 11 Street NE (F. Noormohamed), 1995-97
- Epcor Contact Centre, 2583 – 29 Street NE (Culham Pedersen Valentine), 1998
- Nortel Centre, 5111 – 47 Street NE (Cohos-Evamy), c. 2000
- Bridges Development (Sturgess Architecture, Busby Perkins + Will, et al), c. 2000-Present
- Cardel Place, 11950 Country Village Link NE (Gibbs Gage), c. 2004

Southeast

- Rundle Lodge, 632 – 13 Avenue SE (J.W. Long & Associates), 1971-72
- Sikome Lake Buildings, Fish Creek Provincial Park (Stevens, Graham, MacConnell and Milton), 1977-79
- Bromley Square Apartments, 119-123 – 10 Avenue SE (IKOY), 1970s
- Calgary Olympic Saddledome, 555 Saddledome Rise SE (Graham McCourt Architects), 1980-83
- Lindsay Park Aquatic Centre, 2225 Macleod Trail SE (Chandler Kennedy Architectural Group, Cannon Johnston/Gibbs Gage), 1980-06
- SMED International, 10 Smed Lane SE (Simpson Roberts), 1998
- M-Tech Building, 1401 – 1 Street SE (Dale Taylor/MDB Design), c. 2002
- City of Calgary Water Centre, 25 Avenue and Spiller Road SE (Manasc Isaac/Sturgess), 2007
- Ralph Klein Park Environmental Centre (Simpson Roberts)

GRADING SCALE

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course

				requirements.
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	
F	0.00	0-0.49	0-44.99	

- 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.

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. Submissions must come from an official University of Calgary (ucalgary) email account.
2. Academic Accommodations. Students who require an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to their Instructor or the designated contact person in EVDS, Jennifer Taillefer (jtaillef@ucalgary.ca). Students who require an accommodation unrelated to their coursework or the requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience). For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/
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. Appeals: If a student has a concern about the course, academic matter, or a grade that they have been assigned, they must first communicate this concern with the instructor. If the concern cannot be resolved with the instructor, the student can proceed with an academic appeal, which normally begins with the Faculty: <http://www.ucalgary.ca/provost/students/ombuds/appeals>
5. Information regarding the Freedom of Information and Protection of Privacy Act (<https://www.ucalgary.ca/legalservices/foip>)
6. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
7. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)
8. Contact Info for: Student Union (<https://www.su.ucalgary.ca/contact/>); Graduate Student representative(<https://gsa.ucalgary.ca/about-the-gsa/gsa-executive-board/>) Student Union Wellness Centre: <https://www.ucalgary.ca/wellnesscentre/>; Library Resources: <http://library.ucalgary.ca/> and Student Ombudsman's Office (<http://www.ucalgary.ca/ombuds/>).