Course Syllabus

Questions in Architectural History 1

Faculty: Arindam Dutta, Reinhold Martin, Mabel O. Wilson
Teaching Fellows: Óskar Arnórsson, Caitlin Blanchfield, Christopher Cowell, Eva Schreiner, Elliott Sturtevant, Ife Vanable

Martin, Wilson: Wed 11am-1pm
Dutta: Thurs 11am-1pm

Fall 2017

This two-semester introductory course is organized around selected questions and problems that have, over the course of the past two centuries, helped to define architecture's modernity.

The course treats the history of architectural modernity as a contested, geographically and culturally uncertain category, for which periodization is both necessary and contingent. The fall semester begins with the apotheosis of the European Enlightenment and the early phases of the industrial revolution in the late eighteenth century. From there, it proceeds in a rough chronology through the “long” nineteenth century. Developments in Europe and North America are situated in relation to worldwide processes including trade, imperialism, nationalism, and industrialization. Sequentially, the course considers specific questions and problems that form around differences that are also connections, antitheses that are also interdependencies, and conflicts that are also alliances. The resulting tensions animated architectural discourse and practice throughout the period, and continue to shape our present.

Each week, objects, ideas, and events will move in and out of the European and North American frame, with a strong emphasis on relational thinking and contextualization. This includes a historical, relational understanding of architecture itself. Although the Western tradition had recognized diverse building practices as “architecture” for some time, an understanding of architecture as an academic discipline and as a profession, which still prevails today, was only institutionalized in the European nineteenth century. Thus, what we now call architecture was born not long ago, as a discourse and a practice conceived in relation to others variously described as ancient, vernacular, native, or pre-modern.

The course also treats categories like modernity, modernization, and modernism in a relational manner. Rather than presuppose the equation of modernity with rationality, for example, the course asks: How did such an equation arise? Where? Under what conditions? In response to what? Why? To what end? Similar questions pertain to the idea of a “national” architecture, or even a “modern” one. To explore these and other
questions, the course stresses contact with primary sources. In addition to weekly readings, the syllabus lists key buildings, projects, and documents, along with at least one primary text, through which such questions may be posed. Many of these buildings, projects, and texts have long been incorporated into well-developed historical narratives, mostly centered on Europe. Others have not. Our aim, however, is not to replace those narratives with a more inclusive, “global” one. It is to explore questions that arise, at certain times and in certain places, when architecture is said to possess a history.

The course therefore prioritizes discussion and critical reflection. Students will be assigned to one of three seminar-style classes, each led by a different faculty member in collaboration with a teaching assistant. In addition, PhD Teaching Fellows (TFs) will conduct smaller weekly sessions intended to support and elaborate upon the main class. All three course sections will discuss the same primary texts and background reading (from Bayly, *The Birth of the Modern World*), but with different secondary readings to be assigned at the discretion of individual faculty. Faculty members may present examples of relevant buildings and projects from among those listed at their discretion.

Overall, the aim is a semester-long dialogue, with active student participation, that unfolds, explores, and contextualizes questions and problems that inform and challenge the historical imagination and ultimately, enhance historical consciousness.

**Course Requirements**

In addition to completing the required readings for each week and participating actively in class discussions, at three points during the semester students will be required to:

**Option A**

Submit three short essays on a specific topic, as follows:

**Essay 1:** A close reading of a building discussed in class and/or in a reading (5pp, 12-pt font, approx. 1200-1300 words)

**Essay 2:** Compare and contrast two key buildings or texts discussed in class or in the readings (5pp, 12-pt font, approx. 1200-1300 words)

**Essay 3:** A close reading of an assigned text or a text listed on the syllabus (5pp, 12-pt font, approx. 1200-1300 words)

**Option B** (instructor’s approval required)

Submit a full-length research paper on a topic related to one or more of those covered in the course, in consultation with your discussion section TF, as follows:
Part 1: One-paragraph abstract describing the paper topic and a one-page working bibliography

Part 2: Three-page annotated outline of the paper, with bibliography

Part 3: Final paper, 15 pages minimum, double-spaced in 12 pt font (about 3,500-4,000 words); plus illustrations.

Due Dates:
Essay 1 / Part 1: 4 October 2017
Essay 2 / Part 2: 8 November 2017
Essay 3 / Part 3: 15 December 2017

All assignments should be uploaded to turnitin.com as MSWord-compatible files (each student will be emailed a link for this at the beginning of the semester).

**Grading**

Grades for the class will be determined as follows:

**Option A**

Class participation 25%
Essay 1 25%
Essay 2 25%
Essay 3 25%

**Option B**

Class participation 25%
Paper abstract 5%
Paper outline 10%
Final paper 60%
Students with limited experience in writing research papers or writing in academic English are STRONGLY encouraged to seek support at the Columbia College Writing Center:

http://www.college.columbia.edu/core/uwp/writing-center

Students should adhere to standard guidelines regarding academic honesty, such as those described in the GSAS Statement on Academic Honesty, available at:


Course Materials

All students are required to purchase a copy of C.A. Bayly, *The Birth of the Modern World 1780-1914* (Malden, MA: Blackwell, 2004) and are expected to read the book through the course of the semester. Specific chapters are recommended for certain weeks, below. Copies are available for purchase at Book Culture (536 West 112th Street between Broadway and Amsterdam Ave.). All other course materials, both required and recommended, are available on the Canvas (formerly Courseworks) website, or elsewhere online if indicated below.

Three types of readings are listed each week: primary (required), secondary (selections to be assigned by instructor), and background (recommended). Secondary materials not assigned by any instructors are available on Canvas as a resource for student research or further reading. At times additional primary materials or background reading are recommended along with the required texts, again as a guide for research or further reading.

Many visual materials related to the course, including all of those listed each week under “Buildings, Projects, and Documents,” are collected in an online database maintained by the GSAPP Visual Resource Collection (VRC). These are available only to GSAPP students and faculty through LOGIN. Additional visual materials are available online at Artstor.org.

Students are also advised to consult additional reference texts available in Avery Library, including:


In addition to Bayly, the following texts are also useful for historical background:

**Weekly Topics**

[NOTE: Dates given for Buildings and Projects are normally completion dates]

1. **Architecture and History**

   - **Buildings, Projects, and Documents**

     1721  Johann Fischer von Erlach, *Entwurff einer historischen Architektur* (1721-1742)
     1745  Giovanni Battista Piranesi, *Le Carceri d'Invenzione* (1745, 1761)
     1753  James Dawkins and Robert Wood, *The Ruins of Palmyra*
     1758  Julien-David Le Roy, *Ruins of the Most Beautiful Monuments of Greece*
     1762  James Stuart and Nicholas Revett, *The Antiquities of Athens* (1762-1816)
     1765  Giambattista Piranesi, *Thoughts on Architecture*
     1772  Diderot and d'Alembert, *Encyclopédie, Agriculture and Rural Economy*
     1784  Etienne-Louis Boullée, *Cenotaph for Newton*
     1789  Ledoux, *Barrière d'Enfer, Paris* (1785-1789)
     1794  Durand and Thibault, *Project for a Temple of Equality submitted in the Competitions of the Year II*
     1795  Étienne-Louis Boullée, *Architecture, Essay on Art*
Primary (required)


Secondary (required)


Secondary (for reference)


Michel Foucault, “The Historical A Priori and the Archive,” The Archaeology of Knowledge, 126-131.


Stephen Cairns, “Notes for an Alternative History of the Primitive Hut,” Primitive: Original Matters in Architecture, 86-95


Background (recommended)


2. Individual and Society

- Buildings, Projects, and Documents

1751 George Dance, St. Luke’s Lunatic Hospital, London
1768 George Dance, Newgate Prison, London
1778 Claude-Nicolas Ledoux, Salines, Arc en Senans (1774-1778)
1787 Shaker Communities
1785 Bernard Poyet, Radial Hospital Plan
1791 Jeremy Bentham, Panopticon
1797 William Latrobe, Virginia State Penitentiary
1824 Robert Owen, New Harmony, Indiana (1824-1827)
1821 Benjamin Henry Latrobe, Basilica of the National Shrine of the Assumption of the Blessed Virgin Mary, Baltimore, Maryland
1829 John Haviland, Eastern State Penitentiary
1834 Victor Considerant, Phalanstery (after Fourier)
1840s Work- and Poorhouses
1842 Andrew Jackson Downing, Cottage Residences
1847 Oneida Perfectionists
1859 André Godin and E. André, Familistère, Guise (begun 1859)
1849 J. S. Buckingham, National Evils and Practical Remedies. With the Plan of a Model Town
1851 Saltaire, Titus Salt
1852 Thomas U. Walter, Hospital for the Insane of the Army and the Navy, Washington D.C.
1855 Amana Inspirationists
1880 Henry Hobson Richardson, Frederick Law Olmsted, Calvert Vaux, State Asylum for the Insane (Richardson Olmsted Complex), Buffalo, New York

Primary (required)


Secondary (required)

Secondary (for reference)


Nicholas Bullock and James Read, *The Movement for Housing Reform in Germany and France, 1840-1914* (New York: Cambridge University Press, 1985) SELECTIONS TBD


Background (recommended)


3. **Race and Nation**

Buildings, Projects, and Documents

1663  Cape Coast Castle, Cape Coast, Ghana (British renovations mid – late 18th century)

1743  John Wood, Bristol Exchange, Bristol, England

1752  Drayton Hall, Charleston, South Carolina
1758  John Wood Sr. and John Wood Jr., King’s Circus, Bath, England
1802  John Wood, James Wyatt Liverpool Town Hall, Liverpool, England
1777  James Wyatt; Robert Adams, Home House, London, England
1789  Langhans, Brandenburg Gate, Berlin
1790  L’Enfant and Ellicot, Plan Washington, D.C.
1796  Competition for a Monument to Frederick the Great, Berlin
1798  Charles Bulfinch, Massachusetts State House, Boston
1813  James Wyatt, Fonthill Abbey, Wiltshire England
1809  Thomas Jefferson, Monticello, Virginia
1827  Thomas Jefferson, University of Virginia (1817-1827)
1800  William Jessop, West India Docks, London, England
1821  Karl Friedrich Schinkel, Schauspielhaus, Berlin
1822  Johann Carl Ludwig Engel, Senate, Helsinki (1818-1822)
1823  Peter Nobile, Theseustempel (Temple of Theseus, museum), Vienna (1820-1823)
1825  Karl Friedrich Schinkel, Schloss Charlottenhof, Sanssouci, Potsdam
1829  Karl Ivanovich Rossi, Arch of the Winter Palace, St. Petersburg (1819-1829)
1830  Leo von Klenze, Walhalla, near Regensberg (begins)
1830  Museumsinsel (from the Altesmuseum to the Pergamonmuseum)
1834  Leo von Klenze, Glyptothek, Munich (1816-1834)
1836  Pugin and Barry, Houses of Parliament, London (design begins)
1839  Hans Christian Hansen and Theophilos Eduard Hansen, National Library, University and Academy, Athens (1839-1891)
1859  Old Slave Mart, Charleston, South Carolina, U.S.
1872  Furness and Hewitt, Pennsylvania Academy of Fine Arts

Primary (required)


Secondary (required)


Secondary (for reference)


Kenrick Ian Grandison, “Negotiated Space: The Black College Campus as a Cultural Record of Postbellum America,” American Quarterly 51, no. 3 (September 1999).


Background (recommended)


3A. Special Session: Avery Classics (Rare Books)

Avery Library visits staggered 2:00-5:00

Students will view rare primary documents from the period in small groups in Avery Library, to be organized by the TFs. A list of these documents will be distributed prior to the session. The visits will be preceded by a brief introduction with Avery Classics librarian Teresa Harris.


Buildings, Projects, and Documents

1772  Richard Payne Knight, Downton Castle, Herefordshire
1777  T.F. Pritchard, Bridge over the Severn at Coalbrookdale
1777  Robert Adam, Culzean Castle, Scotland (1777-1790)
1778  Claude-Nicholas Ledoux, Salines, Arc en Senans (1774-1778)
1789  Ledoux, Barrière d’Enfer, Paris (1785-1789)
1792  Horace Walpole, Strawberry Hill, Middlesex (1749-1792)
1806  Bélanger, Iron dome, Wheat market, Paris [1763 Le Camus de Mézières]
1809  Thomas Jefferson, Monticello, Virginia
1831  Henry Dearborn, Mount Auburn Cemetery, Cambridge, Massachusetts
1838  Ludwig Persius, Glienicke Engine House, Potsdam (1836-1838)
1847  Frederick Fiebig, Panorama of Calcutta
1853  Andrew Jackson Davis, Llewellyn Park, West Orange, New Jersey
1855  Victor Baltard, Les Halles, Paris [1852-1855]
1857  Calvert Vaux, Villas and Cottages: A Series of Design for Execution in the United States
1862  Plan of Earl Manver's Estate, Laxton and Moorhouse

Primary Readings:

Secondary (required)

Secondary (for reference)
“Public Parks in Great Britain and the United States: From a ‘Spirit of the Place’ to a ‘Spirit of Civilization.’


Background (recommended)


5. City and Territory

Buildings, Projects, and Documents

1769 Pierre Patte, Project for an Ideal Street
1779 James Rendell, A Bengal Atlas
1782 James Rendell, Memoir of a Map of Hindoostan
1785 Thomas Jefferson, Land Ordinance for the colonization of Western territories
1796 Gaspard Riche de Prony, Nouvelle architecture hydraulique
1790 L’Enfant and Ellicot, Plan Washington, D.C.
1840 British Ordinance Surveyors’ Drawings (1789-1840)
1806 Benjamin Henry Latrobe, Latrobe Gate (Main Gate) Washington Navy Yard, Washington D.C.
1806 Napoléon’s grand projects: Temple of Glory (Madeleine), Vendôme Column, Arc de Triomphe, Paris
1811 Commissioners’ plan for New York
1815 Benjamin Henry Latrobe, Frederick Graff, Fairmount Water Works, Philadelphia [1799-1822]
1825  Benjamin Wright et al, Erie Canal, New York State (1817-1825)
1831  Henry Dearborn, Mount Auburn Cemetery, Cambridge, Massachusetts
1833  Gaspard Riche de Prony, Description hydrographique et historique des marais Pontins
1836  I.K. Brunel, Clifton Bridge over the Avon, Bristol
1838  Jacques-Ignace Hittorf, Rotonde des Panoramas, Paris
1838  Ludwig Persius, Glieicke Engine House, Potsdam (1836-1838)
1840  British Ordinance Surveyors' Drawings (1789-1840)
1842  Andrew Jackson Davis, United States Customs House, New York
1847  Frederick Fiebig, Panorama of Calcutta
1849  John Roebling, Delaware Aqueduct, Lacawaxen, Pennysylvania
1853  Andrew Jackson Davis, Llewellyn Park, West Orange, New Jersey
1857  Calvert Vaux, Villas and Cottages: A Series of Design for Execution in the United States
1863  Olmsted & Vaux, Central Park, NY

Primary (required):


Secondary (required)


Secondary (for reference)


6. Institution and Classification

- Buildings, Projects, and Documents

1774 Jacques Gondoin, School of Surgery, Paris (1769-1774)

1785 Etienne-Louis Boullée, Project for a National Library
1812  Benjamin Henry Latrobe, Davidge Hall, University of Maryland School of Medicine, Baltimore, Maryland
1823  Robert Smirke, British Museum, London
1823  Karl Friedrich Schinkel, Altes Museum, Berlin
1826  Leo von Klenze, Alte Pinakothek, Munich
1833  Félix Duban, Ecole des Beaux Arts remodel, Paris (begins)
1833  Rohault de Fleury, greenhouses, Jardin des Plantes, Paris
1835  Schinkel, Bauakademie, Berlin (1832-1835)
1846  James Renwick, Smithsonian Institution
1848  Maximilian of Bavaria, competition for a new style of architecture
1858  Henri Labrouste, Bibliothèque Ste. Genievève (1838-1850)
1855  Universal Exposition, Paris
1873  Francis Fowke and Henry Cole, South Kensington Museum, London (1863-1873)
1867  Universal Exposition, Paris
1868  Alfred Waterhouse, Natural History Museum, London
1878  Universal Exposition, Paris
1882  Alexander Vallaury, Academy of Fine Arts, Istanbul
1891  Alexander Vallaury, Imperial Museum, Istanbul

Primary (required)
Antoine-Chrysostome Quatremère de Quincy, “Type” [1825], Opposities 8 (Spring 1977): 95-115.


Secondary (required)

**Secondary (for reference)**


**Background (recommended)**


7. **Culture and Style**

**Buildings, Projects, and Documents**

1800 Garden of Perfect Brightness, Beijing (c. 1800)
1818 John Nash, Royal Pavilion, Brighton
1836 Robert Mills, Washington Monument (original design), Washington, D.C.
1836 Robert Mills, Patent Office Building, Washington, D.C.
1837 Heinrich Hübsch, Pump Room, Baden-Baden
1838 Heinrich Hübsch, Experiments with vaulting forms
1856 Owen Jones, The Grammar of Ornament
1860 William Morris and Philip Webb, Red House
1868 George Gilbert Scott and Matthew Digby Wyatt, Foreign Office and India Office, Whitehall, London (1861-1868)
1868 James Gamble, William Morris, and Edward Poynter South Kensington Dining Room
1872 Usul-i Mimari-i Osmani (Ottoman Architecture) (in Turkish, French, and German but no English)
1876 Frank Furness and George Hewitt, Centennial National Bank, Philadelphia
1876 Frank Furness and George Hewitt, Brazilian Section – Main Exhibition Building, Centennial Exposition, Philadelphia
1878 William Ware and Henry Van Brunt, Memorial Hall at Harvard University, Cambridge, Massachusetts (1865 – 1878)
1884 Frank Furness and George Hewitt, National Bank of the Republic, Philadelphia
1879 Frank Furness and George Hewitt, Provident Life and Trust, Philadelphia
1890 Louis Sullivan and Dankmar Adler, K.A.M. Synagogue (Pilgrim Baptist Church), Chicago
1891 Frank Furness and George Hewitt, University of Pennsylvania Library, Philadelphia
1899 Peter Behrens et al, Darmstadt Artists' Colony

Primary (required)
(skim/browse) Owen Jones, The Grammar of Ornament (London: Day and Son, 1856)

Secondary (required)


Secondary (for reference)


Wolfgang Hermann, “Introduction” to Heinrich Hübsch, *In What Style Should We Build? The German Debate on Architectural Style* (Santa Monica: Getty Center, 1992), 1-60.


Background (recommended)


8. **Machines and Meaning**

**Buildings, Projects, and Documents**
1877 Henry Hobson Richardson, Trinity Church, Boston (1872-1877)
1868 Henri Labrouste, Bibliothèque Nationale, Paris (1859-1868)
1886 Daniel Burnham and John Wellborn Root, Rookery Building, Chicago (1885-1886)
1884 William Le Baron Jenney, Home Insurance Building, Chicago
1889 Gustave Eiffel, Eiffel Tower, Exposition Universelle, Paris
1889 Dutret, Galérie des Machines, Exposition Universelle, Paris
1890 Daniel Burnham and John Wellborn Root, Chronicle Building, San Francisco
1892 Frank Furness, Broad Street Station Pennsylvania Railroad, Philadelphia
1892 Daniel Burnham and John Wellborn Root, Monadnock Building, Chicago (1889-1892)
1895 Daniel Burnham and John Wellborn Root, Reliance Building Chicago (1890-1895)
1899 Louis Sullivan, Carson Pirie Scott & Co. department store, Chicago (begun)
1902 Daniel Burnham, Flatiron Building, New York City
1891 Louis Sullivan and Dankmar Adler, Wainwright Building, St. Louis, Missouri
1894 Louis Sullivan, Guaranty Building, Buffalo, NY
1904 Frank Lloyd Wright, Larkin Building, Buffalo (1903-1904)
1903 Hendrik-Petrus Berlage, Stock Exchange, Amsterdam (1898-1903)

Primary (required)

Secondary (required)


Secondary (for reference)


Background (recommended)


9. **Industry and Morality**

**Buildings, Projects, and Documents**

1845  Augustus Welby Pugin, Scarisbrick Hall, Lancashire (1837-1845)

1849  William Butterfield, All Saints, London

1851  Joseph Paxton, Crystal Palace, London

1855  Amana Inspirationists
1859  Philip Webb, Red House for William Morris
1867  New York Tenement Acts
1868  Waterhouse, Town Hall, Manchester
1880s S. S. Berman, Town of Pullman, Chicago
1880  Henry Hobson Richardson, Thomas Crane Library, Quincy, Massachusetts
1884  Henry Hobson Richardson, Allegheny Courthouse, Pittsburgh, Pennsylvania
1890  Alfred Messel, Sickingenstrasse, Berlin
1896  Charles F. Voysey, Sturgis House, near Guilford
1902  Ludwig Hoffmann, Various bathhouses, Berlin (1897-1902)

Primary (required)
Augustus Welby Pugin, Contrasts: Or, A Parallel Between the Noble Edifices of the Middle Ages and Similar Buildings of the Present Day [1836], 2nd ed. (Edinburgh: John Grant, 1898), 1-59; see also plates beginning on p. 102.


Secondary (required)


Secondary (for reference)


Nicholas Bullock and James Read, *The Movement for Housing Reform in Germany and France, 1840-1914* (New York: Cambridge University Press, 1985) SELECTIONS TBD


**Background (recommended)**


10. **Capital, Labor and Gender**

- **Buildings, Projects, and Documents**

  1786    David Dale and Robert Owen, New Lanark Cotton Mills,

  1790    John Soane, Bank of England

  1801    Benjamin Henry Latrobe, Bank of Pennsylvania, Philadelphia

  1810    Charles Bulfinch, Boylston Market, Boston

  1811    John Nash, Regent Street, London (begins)

  1823    Lowell Mills, Lowell (open)

  1834    William Strickland, Merchants' Exchange, Philadelphia (1832-1834)

  1846    Jesse Hartley and Phillip Hardwick, Albert Dock, Liverpool

  1856    Samuel Angell, Clothworkers' Hall, London

  1863    George Gilbert Scott, Akroydon (1861-1863)
1864  Antoine-Nicolas-Louis Bailly, Tribunal de Commerce, Paris (1858-1864)
1865  A. H. Stott, Houldsworth Mill, Reddish, Lancashire
1871  Jules Saulnier, Meunier Factory and Model Town, Noisel-sur-Marne
1881  George B. Post, Produce Exchange, New York (1881-1885)
1884  Otto Wagner, State Bank, Vienna (1882-1884)
1884  George B. Post, New York Produce Exchange, New York City
1885  George B. Post, New York Cotton Exchange, New York City
1885  Henry Hobson Richardson, Marshall Field Wholesale Store, Chicago
1896  Alexander Vallaury, Ottoman Bank, Istanbul
1896  H. P. Berlage, Stock Exchange, Amsterdam
1904  George B. Post, Stock Exchange, New York (1901-1904)

Primary (required)


Karl Marx and Friedrich Engels, The Communist Manifesto (1848)


Secondary (required)


Secondary (for reference)


Background (recommended)


11. **Cosmopolitanism and Expertise**

**Buildings, Projects, and Documents**

- 1869 Railway in Egypt (1854-1869)
- 1869 Suez Canal (1859-1869)
- 1869 Avoscani and Rossi, Khedivial opera house, Cairo (completed in 6 mos.)
- 1870 Haussmann’s Paris (1859-1870)
- 1872 Vienna Ring (1859-1872)
- 1863 Charles Garnier, New Opera, Paris
- 1860s Frederick Law Olmsted, Emerald Necklace, Boston
- 1860s Frederick Law Olmsted and Calvert Vaux, various works, New York City
- 1872 Vienna Ring (1859-1872)
- 1876 Frederick Law Olmsted, Mount Royal, Montreal, Quebec
1883  John Roebling, Brooklyn Bridge, New York
1889  Exposition Universelle, Paris
1893  Daniel Burnham, John Wellborn Root, Frederick Law Olmsted, World's Columbian Exposition, Chicago
1899  Auguste Choisy, *Histoire de l'architecture, Vols. 1 & 2*
1904  Auguste Choisy, *L’art de bâtir chez les Égyptiens*

**Primary (required)**


**Secondary (required)**


* Secondary (for reference)


Background (recommended)


12. **Metropolis and Empire**

**Buildings, Projects, and Documents**
1836  Pugin and Barry, Houses of Parliament, London (design begins)
1847  François Duquesny, Gare de l’Est, Paris
1855  Victor Baltard, Les Halles, Paris [1852-1855]
1870  Richard Morris Hunt, Stuyvesant Apartments, New York City
1906  Grand Central Terminal, New York (1871-1906)
1873  George Gilbert Scott and Matthew Digby Wyatt, Foreign Office, London (1856-1873)
1875  Frederick Law Olmsted and Calvert Vaux, Riverside, Illinois
1877  A. de Serres and Eiffel Office, Western Railway Station, Budapest (1874-1877)
1888  Port Sunlight, England
1889  Camillo Sitte, City Planning According to Artistic Principles
1889  Louis Sullivan and Dankmar Adler, Auditorium Building, Chicago
1893  Bourneville, Birmingham
1897  Otto Wagner, Vienna underground stations (1894-1897)
1895  Richard Morris Hunt, Metropolitan Museum of Art (addition), New York
1905  Raymond Unwin and Barry Parker, Hampstead Garden Suburb, London
1900 Charles F. McKim, William R. Mead, Stanford White, Columbia University Campus, New York
1903 Daniel Burnham, Union Station, Washington, D.C.
1906 W. K. Firminger, Thacker's Guide to Calcutta
1912 Walter Burley Griffin, Canberra (plan 1912)
1913 Edwin Lutyens, New Delhi (plan 1913)
1914 Eliel Saarinen, Railway Station, Helsinki (1904-1914)

Primary (required)


Online at: https://archive.org/details/planofchicagopre00comm


Secondary (required)


- Secondary (for reference)


- Background (recommended)