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, North American, and colonial non-West 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: 3 October 2018
Essay 2 / Part 2: 7 November 2018
Essay 3 / Part 3: 12 December 2018

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: http://www.columbia.edu/cu/gsas/rules/chapter-9/pages/honesty/index.html

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 have read the book prior to the beginning 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 in the Appendix under “Buildings and Projects,” 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

1. Architecture and History             September 5th
Lecturer: Chris Cowell

Primary (required)


Secondary (required)


Background


Additional Readings


### 2. Architecture and Revolution

**September 12th**

Lecturer: Cesare Birignani

**Primary (required)**


Secondary (required)


Background


Additional Readings


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


### 3. Institutions and Classification

**September 19th**

Lecturer: Cesare Birignani

**Primary (required)**


Antoine-Chrysostome Quatremère de Quincy, "Type" [1825], *Oppositions*, no. 8 (Spring 1977): 147-50.

**Secondary (required)**


**Background**


**Additional Readings**


3A. Special Session: Avery Classics (Rare Books) September 20th (Thurs)

Avery Library visits staggered 1:00-5:00

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 librarians.

4. Individual and Society September 26th

Lecturer: Chris Cowell

Primary (required)


Secondary (required)


Background


Additional Readings


5. Industry, Morality, Revival

[October 3rd]

Lecturer: Chris Cowell

Primary (required)


Secondary (required)


**Background**


**Additional Readings**


October 10th
Lecturer: Zeynep Çelik Alexander

Primary (required)


Secondary (required)


Background


Secondary (recommended)


Additional Readings


### 7. Machines and Meaning

October 17th

Lecturer: Zeynep Çelik Alexander

#### Primary (required)


#### Secondary (required)


#### Background

**Additional Readings**


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8. **Culture and Style**

October 24th

Lecturer: Ralph Ghoche

**Primary (required)**


**Secondary (required)**


Background

Additional Readings
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.
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.
9. Cosmopolitanism and Expertise

October 31st

Lecturer: Ralph Ghoche

Primary (required)


Secondary (required)


Background


Additional Readings


### 10. Work and Domesticity

**November 7th**

**Lecturer: Chris Cowell**

**Primary (required)**


**Secondary (required)**


**Background**


**Additional Readings**

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


**11. Town, Territory, State**

November 14th

Lecturer: Chris Cowell

**Primary (required):**


Secondary (required)

Background

Additional Readings


[Thanksgiving Week - no classes November 21st-23rd]

12. Metropolis and Empire November 28th
Lecturer: Chris Cowell

Primary (required)


Secondary (required)


Background

**Additional Readings**


Appendix

Buildings and Projects

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

1743  John Wood, Bristol Exchange, Bristol, England
1745  Giovanni Battista Piranesi, Le Carceri d’Invenzione (1745, 1761)
1751  George Dance, St. Luke’s Lunatic Hospital, London
1752  Drayton Hall, Charleston, South Carolina
1758  John Wood Sr. and John Wood Jr., King’s Circus, Bath, England
1768  Ange-Jacques Gabriel, Le Petit Trianon, Versailles (1763-1768)
1768  George Dance, Newgate Prison, London
1769  Pierre Patte, Project for an Ideal Street
1772  Diderot and d’Alembert, Encyclopédie, Agriculture and Rural Economy
1772  Richard Payne Knight, Downton Castle, Herefordshire
1774  Jacques Gondoin, School of Surgery, Paris (1769-1774)
1777  James Wyatt; Robert Adams, Home House, London, England
1777  T.F. Pritchard, Bridge over the Severn at Coalbrookdale
1777  Robert Adam, Culzean Castle, Scotland (1777-1790)
1778  Claude-Nicolas Ledoux, Salines, Arc en Senans (1774-1778)
1784  Etienne-Louis Boullée, Cenotaph for Newton
1785  Thomas Jefferson, Land Ordinance for the colonization of Western territories
1785  Bernard Poyet, Radial Hospital Plan
1785  Etienne-Louis Boullée, Project for a National Library
1786  David Dale and Robert Owen, New Lanark Cotton Mills, New Lanark
1787  Shaker Communities
1789  Ledoux, Barrière d’Enfer, Paris (1785-1789)
1789  Langhans, Brandenburg Gate, Berlin
1790  L’Enfant and Ellicot, Plan Washington, D.C.
1791 Jeremy Bentham, Panopticon
1792 Horace Walpole, Strawberry Hill, Middlesex (1749-1792)
1794 Durand and Thibault, Project for a Temple of Equality submitted in the Competitions of the Year II
1796 Competition for a Monument to Frederick the Great, Berlin
1797 William Latrobe, Virginia State Penitentiary
1798 Charles Bulfinch, Massachusetts State House, Boston
1800 William Jessop, West India Docks, London, England
1800 Garden of Perfect Brightness, Beijing (c. 1800)
1801 Benjamin Henry Latrobe, Bank of Pennsylvania, Philadelphia
1802 John Wood, James Wyatt Liverpool Town Hall, Liverpool, England
1806 Bélanger, Iron dome, Wheat market, Paris [1763 Le Camus de Mézières]
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
1809 Thomas Jefferson, Monticello, Virginia
1810 Charles Bulfinch, Boylston Market, Boston
1811 John Nash, Regent Street, London (begins)
1811 Commissioners’ Plan for New York City
1812 Benjamin Henry Latrobe, Davidge Hall, University of Maryland School of Medicine, Baltimore, Maryland
1813 James Wyatt, Fonthill Abbey, Wiltshire England
1815 Benjamin Henry Latrobe, Frederick Graff, Fairmount Water Works, Philadelphia [1799-1822]
1818 John Nash, Royal Pavilion, Brighton
1821 Karl Friedrich Schinkel, Schauspielhaus, Berlin
1821 Benjamin Henry Latrobe, Basilica of the National Shrine of the Assumption of the Blessed Virgin Mary, Baltimore, Maryland
1822 Johann Carl Ludwig Engel, Senate, Helsinki (1818-1822)
1823  Lowell Mills, Lowell, Massachusetts (open)
1823  Peter Nobile, Theseustempel (Temple of Theseus, museum), Vienna (1820-1823)
1823  Robert Smirke, British Museum, London
1823  Karl Friedrich Schinkel, Altes Museum, Berlin
1824  Robert Owen, New Harmony, Indiana (1824-1827)
1825  Karl Friedrich Schinkel, Schloss Charlottenhof, Sanssouci, Potsdam
1825  Benjamin Wright et al, Erie Canal, New York State (1817-1825)
1826  Leo von Klenze, Alte Pinakothek, Munich
1827  Thomas Jefferson, University of Virginia (1817-1827)
1829  John Haviland, Eastern State Penitentiary
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)
1831  Henry Dearborn, Mount Auburn Cemetery, Cambridge, Massachusetts
1833  Gaspard Riche de Prony, Description hydrographique et historique des marais Pontins
1833  Félix Duban, Ecole des Beaux Arts remodel, Paris (begins)
1833  Rohault de Fleury, Greenhouses, Jardin des Plantes, Paris
1834  Victor Considerant, Phalanstery (after Fourier)
1834  Leo von Klenze, Glyptothek, Munich (1816-1834)
1834  William Strickland, Merchants’ Exchange, Philadelphia (1832-1834)
1835  Schinkel, Bauakademie, Berlin (1832-1835)
1836  Pugin and Barry, Houses of Parliament, London (design begins)
1836  I.K. Brunel, Clifton Bridge over the Avon, Bristol
1836  Robert Mills, Washington Monument (original design), Washington, DC
1836  Robert Mills, Patent Office Building, Washington, DC
1837  Heinrich Hübsch, Pump Room, Baden-Baden
1838  Heinrich Hübsch, Experiments with vaulting forms
1838  Ludwig Persius, Glienicke Engine House, Potsdam (1836-1838)
1838  Jacques-Ignace Hittorf, Rotonde des Panoramas, Paris
1839  Hans Christian Hansen and Theophilos Eduard Hansen, National Library, University and Academy, Athens (1839-1891)
1840  British Ordinance Surveyors’ Drawings (1789-1840)
1842  Andrew Jackson Downing, Cottage Residences
1842  Andrew Jackson Davis, United States Customs House, New York
1845  Augustus Welby Pugin, Scarisbrick Hall, Lancashire (1837-1845)
1846  James Renwick Jr., Smithsonian Institution, Washington, DC
1846  Jesse Hartley and Phillip Hardwick, Albert Dock, Liverpool
1847  Oneida Perfectionists
1847  Frederick Fiebig, Panorama of Calcutta
1847  François Duquesny, Gare de l’Est, Paris
1848  Maximilian of Bavaria, competition for a new style of architecture
1849  John Roebling, Delaware Aqueduct, Lackawaxen, Pennsylvinia
1849  William Butterfield, All Saints, London
1851  Saltaire, Titus Salt
1851  Joseph Paxton, Crystal Palace, London
1852  Thomas U. Walter, Hospital for the Insane of the Army and the Navy, Washington D.C.
1853  Andrew Jackson Davis, Llewellyn Park, West Orange, New Jersey
1855  Amana Inspirationists
1855  Victor Baltard, Les Halles, Paris [1852-1855]
1855  Universal Exposition, Paris
1856  Samuel Angell, Clothworkers’ Hall, London
1858  Henri Labrouste, Bibliothèque Ste. Genieviève (1838-1850)
1859  Old Slave Mart, Charleston, South Carolina
1859  André Godin and E. André, Familistère, Guise (begun 1859)
1860  William Morris and Philip Webb, Red House
1860s  Frederick Law Olmsted, Emerald Necklace, Boston
1862  Plan of Earl Manver’s Estate, Laxton and Moorhouse
1863  Olmsted & Vaux, Central Park, New York
1863  George Gilbert Scott, Akroydon (1861-1863)
1863  Charles Garnier, Opera House, Paris
1864  Antoine-Nicolas-Louis Bailly, Tribunal de Commerce, Paris (1858-1864)
1865  A. H. Stott, Houldsworth Mill, Reddish, Lancashire
1867  Universal Exposition, Paris
1867  New York Tenement Acts
1868  Alfred Waterhouse, Natural History Museum, London
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, London
1868  Henri Labrouste, Bibliothèque Nationale, Paris (1859-1868)
1868  Waterhouse, Town Hall, Manchester
1869  Railway in Egypt (1854-1869)
1869  Suez Canal (1859-1869)
1869  Avoscani and Rossi, Khedivial Opera House, Cairo
1870  Richard Morris Hunt, Stuyvesant Apartments, New York City
1870  Haussmann’s Paris (1859-1870)
1871  Jules Saulnier, Meunier Factory and Model Town, Noisel-sur-Marne
1872  Furness and Hewitt, Pennsylvania Academy of Fine Arts
1872  Vienna Ring (1859-1872)
1873  Francis Fowke and Henry Cole, South Kensington Museum, London (1863-1873)
1873  George Gilbert Scott and Matthew Digby Wyatt, Foreign Office, London (1856-1873)
1875  Frederick Law Olmsted and Calvert Vaux, Riverside, Illinois
1876  Frank Furness and George Hewitt, Centennial National Bank, Philadelphia
1876  Frank Furness and George Hewitt, Brazilian Section – Main Exhibition Building, Centennial Exposition, Philadelphia
1876  Frederick Law Olmsted, Mount Royal, Montreal, Quebec
1877  Henry Hobson Richardson, Trinity Church, Boston (1872-1877)
1877  A. de Serres and Eiffel Office, Western Railway Station, Budapest (1874-1877)
1878  Universal Exposition, Paris
1878  William Ware and Henry Van Brunt, Memorial Hall at Harvard University, Cambridge, Massachusetts (1865 – 1878)
1879  Frank Furness and George Hewitt, Provident Life and Trust, Philadelphia
1880  Henry Hobson Richardson, Frederick Law Olmsted, Calvert Vaux, State Asylum for the Insane (Richardson Olmsted Complex), Buffalo, New York
1880  Henry Hobson Richardson, Thomas Crane Library, Quincy, Massachusetts
1880s  S. S. Berman, Town of Pullman, Chicago
1881  George B. Post, Produce Exchange, New York (1881-1885)
1882  Alexander Vallaury, Academy of Fine Arts, Istanbul
1883  John Roebling, Brooklyn Bridge, New York
1884  Otto Wagner, State Bank, Vienna (1882-1884)
1884  Frank Furness and George Hewitt, National Bank of the Republic, Philadelphia
1884  William Le Baron Jenney, Home Insurance Building, Chicago
1884  Henry Hobson Richardson, Allegheny Courthouse, Pittsburgh, Pennsylvania
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
1886  Daniel Burnham and John Wellborn Root, Rookery Building, Chicago (1885-1886)
1888  William Owen, Port Sunlight, England
1889  Gustave Eiffel, Eiffel Tower, Exposition Universelle, Paris
1889  Dutret, Galérie des Machines, Exposition Universelle, Paris
1889  Louis Sullivan and Dankmar Adler, Auditorium Building, Chicago
1889  Exposition Universelle, Paris
1890  Louis Sullivan and Dankmar Adler, K.A.M. Synagogue (Pilgrim Baptist Church), Chicago
1890  Daniel Burnham and John Wellborn Root, Chronicle Building, San Francisco
1890  Alfred Messel, Sickenstrasse, Berlin
1891  Alexander Vallaury, Imperial Museum, Istanbul
1891  Frank Furness and George Hewitt, University of Pennsylvania Library, Philadelphia
1891  Louis Sullivan and Dankmar Adler, Wainwright Building, St. Louis, Missouri
1892  Frank Furness, Broad Street Station Pennsylvania Railroad, Philadelphia
1892  Daniel Burnham and John Wellborn Root, Monadnock Building, Chicago (1889-1892)
1893  Bournville, Birmingham
1893  Daniel Burnham, John Wellborn Root, Frederick Law Olmsted, World’s Columbian Exposition, Chicago
1894  Louis Sullivan, Guaranty Building, Buffalo
1895  Daniel Burnham and John Wellborn Root, Reliance Building Chicago (1890-1895)
1895  Richard Morris Hunt, Metropolitan Museum of Art (addition), New York
1896  Charles F. Voysey, Sturgis House, near Guilford
1896  Alexander Vallaury, Ottoman Bank, Istanbul
1897  Otto Wagner, Vienna underground stations (1894-1897)
1897  Charles F. McKim, William R. Mead, Stanford White, Columbia University Campus, New York
1899  Peter Behrens et al, Darmstadt Artists’ Colony
1899  Louis Sullivan, Carson Pirie Scott & Co. department store, Chicago (begun)
1902  Daniel Burnham, Flatiron Building, New York City
1902  Ludwig Hoffmann, Various bathhouses, Berlin (1897-1902)
1903  Hendrik-Petrus Berlage, Stock Exchange, Amsterdam (1898-1903)
1903  Daniel Burnham, Union Station, Washington, DC
1904  Frank Lloyd Wright, Larkin Building, Buffalo (1903-1904)
1904  George B. Post, Stock Exchange, New York (1901-1904)
1905  Raymond Unwin and Barry Parker, Hampstead Garden Suburb, London
1906  Grand Central Terminal, New York (1871-1906)
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)
Documents

1721  Johann Fischer von Erlach, *Entwurff einer historischen Architektur* (1721-1742)
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*
1779  James Rennell, *A Bengal Atlas*
1782  James Rennell, *Memoir of a Map of Hindoostan*
1793  William Hodges, *Travels in India During the Years 1780, 1781, 1782, & 1783*
1795  Étienne-Louis Boullée, *Architecture, Essay on Art*
1796  Gaspard Riche de Prony, *Nouvelle architecture hydraulique*
1848  Louisa C. Tuthill, *History of Architecture from the Earliest Times; Its Present Condition in Europe and the United States*
1849  J. S. Buckingham, *National Evils and Practical Remedies. With the Plan of a Model Town*
1855  James Fergusson, *The Illustrated Handbook of Architecture*
1856  Owen Jones, *The Grammar of Ornament*
1857  Calvert Vaux, *Villas and Cottages: A Series of Design for Execution in the United States*
1872  Usul-i Mimari-i Osmani (Ottoman Architecture) (in Turkish, French, and German but no English translation)
1889  Camillo Sitte, *City Planning According to Artistic Principles*
1896  Banister Fletcher, *A History of Architecture on the Comparative Method*
1899  Auguste Choisy, *Histoire de l’architecture, Vols. 1 & 2*
1904  Auguste Choisy, *L’art de bâtir chez les Égyptiens*