Course Syllabus

Jump to Today

Questions in Architectural History 1

Reinhold Martin

Teaching Fellows: Robin Honggare, Yara Sagfalhait

Wed 11am-1pm 300S Buell Fall 2019

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, 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-pot 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: 2 October 2019

Essay 2 / Part 2: 6 November 2019

Essay 3 / Part 3: 13 December 2019

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

Final paper

Class participation 25%
Paper abstract 5%
Paper outline 10%

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-centerLinks to an external site.

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.htmlLinks to an external site.

Course Materials

All students are required to purchase a copy of C.A. Bayly, <u>The Birth of the Modern World 1780-1914</u> (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:

Leonardo Benevolo, <u>History of Modern Architecture, Volume 1: The Tradition of Modern Architecture</u> [1960], trans. H. J. Landry (Cambridge, MA: MIT Press, 1977)

Barry Bergdoll, <u>European Architecture 1750-1890</u> (New York: Oxford University Press, 2000),

Robin Middleton and David Watkin, <u>Neoclassical and Nineteenth Century</u> Architecture Vols. 1 and 2 (Milan: Electa, 1980)

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

Eric Hobsbawm, <u>The Age of Revolution 1789-1848</u> (Cleveland: World Pub. Co, 1962)

Eric Hobsbawm, <u>The Age of Capital 1848-1875</u> (New York: Vintage Books, 1996 [1975])

Eric Hobsbawm, <u>The Age of Empire 1875-1914</u> (New York: Vintage Books, 1989 [1987])

Jürgen Osterhammel, <u>The Transformation of the World: A Global History of the Nineteenth Century</u>, trans. Patrick Camiller (Princeton: Princeton University Press, 2014)

Weekly Topics

1. Architecture and History

Primary (required)

Jean-Jacques Rousseau, "Discourse on the Origin and Foundations of Inequality Among Men or Second Discourse" [1754], in <u>The Discourses and Other Early Political Writings</u>, trans. Victor Gourevitch (New York: Cambridge University Press, 1997), 161-88.

Marc-Antoine Laugier, <u>An Essay on Architecture</u> [1753], trans. Wolfgang Herrmann and Anni Herrmann (Los Angeles: Hennessey & Ingalls, 1977), 1-38 (esp. 1-14).

William Hodges, <u>Travels in India During the Years 1780, 1781, 1782, & 1783</u> (London: J. Edwards, 1793), Chap. 4, "Description of Benares – Elegant Façade – Hindoo Temples – Dissertation on the Hindoo, Moorish, and Gothic Architecture," 59-77 (esp. 62 ff.)

Secondary (required)

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Leonardo Benevolo, <u>History of Modern Architecture, Volume 1: The Tradition of Modern Architecture</u> [1960], trans. H. J. Landry (Cambridge, MA: MIT Press, 1977), "Introduction: Architecture and the Industrial Revolution," xv-xxxiv.

Dipesh Chakrabarty, "The Climate of History: Four Theses," <u>Critical Inquiry</u> 35 (Winter 2009): 197-222.

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Secondary (for reference)

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Partha Mitter, <u>Much Maligned Monsters: History of European Reactions to Indian Art</u> (Clarendon Press: Oxford, 1977), Chap. 3, "Orientalists, Picturesque Travellers, and Archaeologists," 105-151 (part chapter).

Tapati Guha-Thakurta,. "The Empire and its Antiquities: Two Pioneers and Their Scholarly Fields", in <u>Monuments, Objects, Histories</u> (New York: Columbia University Press, 2004).

Immanuel Kant, "An Answer to the Question: What Is Enlightenment?" [1784], in What Is Enlightenment?: Eighteenth-Century Answers and Twentieth-Century Questions, ed. James Schmidt (Berkeley: University of California Press, 1996), 58-64.

Robin Middleton and David Watkin, <u>Neoclassical and Nineteenth Century Architecture Vol. 1</u> (Milan: Electa, 1980), Chap. 3, "Archaeology and the Influence of the Antique," 65-103; and Chap. 5, "Visionary Architecture," 177-207.

Barry Bergdoll, <u>European Architecture 1750-1890</u> (Oxford and New York: Oxford University Press, 2000), Chap. 1, "Neoclassicism: Science, Archaeology, and the Doctrine of Progress," 9-31 (part chapter).

Suzanne L. Marchand, "The Making of a Cultural Obsession," in <u>Down From Olympus: Archaeology and Philhellenism in Germany, 1750-1970</u> (Princeton, NJ: Princeton University Press, 1996), 3-35.

Dipesh Chakrabarty, "Introduction: The Idea of Provincializing Europe," in Provincializing Europe: Postcolonial Thought and Historical Difference (Princeton, N.J.: Princeton University Press, 2000).

Stephen Cairns, "Notes for an Alternative History of the Primitive Hut," <u>Primitive:</u> <u>Original Matters in Architecture</u>, 86-95.

Daniel Bertrand Monk et al., "A Discussion on the Global and Universal," <u>Grey Room</u>, no. 61 (October 1, 2015): 66–127.

Background

83. A. Bayly, <u>The Birth of the Modern World 1780-1914</u> (Malden, MA: Blackwell, 2004), Chap. 2, "Passages from the Old Regime to Modernity," 49-83.

2. Race and Nation

Primary (required)

Thomas Jefferson, <u>Notes on the State of Virginia</u> [1787], (Richmond, VA: J.W. Randolph, 1853), Query 1, "Boundaries of Virginia," 1-2; Query 8, "Population,"

90-96; Query 14, "Laws," 140-160; Query 15, "Colleges, Buildings, and Roads," 161-165.

Johann Wolfgang von Goethe, "On German Architecture," [1772] in <u>Art History</u> and its Methods, ed. Eric Fernie (London: Phaidon Press, 1995), 77-84.

Secondary (required)

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Irene Cheng, "Race and Architectural Geometry: Thomas Jefferson's Octagons," <u>The Journal of Nineteenth-Century Americanists</u> 3, no. 1 (2015): 121-30.

Kurt Forster, "Schinkel's Panoramic Planning of Central Berlin," <u>Modulus</u> 16 (New York: Rizzoli, 1983), 63-77.

Secondary (for reference)

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Carl Anthony, "The Big House and the Slave Quarters: Part I, Prelude to New World Architecture," <u>Landscape</u> 20, no. 3 (Spring 1976): 8-19.

Carl Anthony, "The Big House and the Slave Quarters: Part II, African Contributions to the New World," Landscape 21, no. 1 (Autumn 1976): 9-15.

Louis P. Nelson, Chap. 8 "Architectures of Freedom" and Chap. 9 "Building in Britain," <u>Architecture and Empire in Jamaica</u>, (New Haven: Yale University Press, 2016), 219–67.

Susan Buck-Morss, "Hegel and Haiti," Critical Inquiry 26, no. 4 (2000): 821-65.

Simon Gikandi, <u>Culture of Taste</u>, (Princeton: Princeton University Press, 2014), Chap. 3, "Unspeakable Events: Slavery and White Self-Fashioning," 97-144.

David Bindman, Ape to Apollo: Aesthetics and the Idea of Race in the Eighteenth Century, (London: Reaktion Books, 2002), "Introduction: Human Variety, Race and Aesthetics," 11-21.

Peter Minosh, "Architectural Remnants and Mythical Traces of the Haitian Revolution: Henri Christophe's Citadelle Laferrière and Sans-Souci Palace," <u>Journal of the Society of Architectural Historians</u> 77, no. 4 (December 2018): 410-427.

Anthony Vidler, "The Theatre of Production: Claude-Nicolas Ledoux and the Architecture of Social Reform," <u>AA Files</u>, no. 1 (Winter 1981): 54-63.

Dell Upton, "White and Black Landscapes in Eighteenth-Century Virginia," Places, vol. 2, no. 2 (1984): 59-72.

Dorothea E. Von Mücke, "Beyond the Paradigm of Representation: Goethe on Architecture," <u>Grey Room</u> 35 (Spring 2009): 6-27.

Zeynep Çelik, "A New Monumentality and an Official Architecture," <u>Empire</u>, <u>Architecture</u>, and the City: French-Ottoman Encounters 1830-1914, (Seattle: University of Washington Press, 2008), 159-215.

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

Gwendolyn Wright, <u>Building the Dream: A Social History of Housing in America</u> (New York: Pantheon, 1981), Chap. 3, "The 'Big House' and the Slave Quarters."

Barry Bergdoll, <u>European Architecture 1750-1890</u> (Oxford and New York: Oxford University Press, 2000), Chap. 4, "Revolutionary Architecture," and Chap. 5, "Nationalism and Stylistic Debates in Architecture."

Background

120. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 3, "Converging Revolutions 1780-1820," 86-120.

2A. Thursday 12 September 2019, Special Session: Avery Classics (Rare Books)

Avery Library visits staggered 1:00-4:00

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.

3. Institution and Classification

Primary (required)

Etienne-Louis Boullée, "Architecture, Essay on Art" [1780s-1793], in <u>Boullée & Visionary Architecture</u>, ed. Helen Rosenau (London: Academy Editions, 1976), "To Men who Cultivate the Arts," 82; "Introduction," 83-85; "Funerary Monuments or Cenotaphs," 105-07; "Summary Reflections on the Art of Teaching Architecture," 115-16.

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

212. L. Durand, "Summary of Courses Offered at the École Polytechnique" [1802-1805], in <u>A Documentary History of Art, Vol. III</u>, ed. Holt (New Haven and London: Yale University Press, 1966), 199-212.

Secondary (required)

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Richard Chaffee, "The Teaching of Architecture at the Ecole des Beaux-Arts," in <u>Ecole des Beaux-Arts</u>, ed. Arthur Drexler (New York: Museum of Modern Art, 1977), 61-109.

Werner Szambien, "Architectural Drawings at the Ecole Polytechnique in Paris at the Beginning of the Nineteenth Century," <u>Daidalos</u> 11 (March 1984): 55-64.

Secondary (for reference)

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Anthony Vidler, "The Idea of Type: The Transformation of the Academic Ideal, 1750-1830,", Oppositions 8 (Spring 1977): 95-115.

Joseph Rykwert, "In the Nature of Materials: A Rational Theory of Architecture," in <u>Solitary Travelers</u> (New York: Cooper Union School of Architecture, 1979): 97-116.

Georges Teyssot, <u>A Topology of Everyday Constellations</u> (Cambridge, MA: The MIT Press, 2013), Chapter 2, "Figuring the Invisible," 31-82.

Vittoria Di Palma, "Architecture, Environment, and Emotion: Quatremère de Quincy and the Concept of Character," <u>AA Files</u> 47 (2002): 45-56.

Neil Levine, "The Romantic Ideal of Architectural Legibility: Henri Labrouste and the Neo-Grec," in Ecole des Beaux-Arts, ed. Drexler, (Cambridge: MIT Press, 1977), 325-416.

Carla Yanni, "Divine Display or Secular Science: Defining Nature at the Natural History Museum in London," <u>Journal of the Society of Architectural Historians</u>, Vol. 55, No. 3 (Sep., 1996): 276-299.

Background

Jürgen Osterhammel, <u>The Transformation of the World: A Global History of the Nineteenth Century</u>, trans. Patrick Camiller (Princeton: Princeton University Press, 2014), Chap. XVI, "Knowledge: Growth, Concentration, Distribution," 779-825.

4. Individual and Society

Primary (required)

Jeremy Bentham, "Panopticon, or the Inspection House" [1787], in <u>The Emergence of Modern Architecture</u>, eds. Liane Lefaivre and Alexander Tzonis (London and New York: Routledge, 2004).

Robert Owen, "Essay Two," New View of Society [1817] (London: Longman, Hurst, Rees, Orme and Brown, 1818), 25-60.

Charles Fourier, "The Phalanstery" [1822], <u>The Utopian vision of Charles Fourier</u>, eds. Jonathan Beecher and Richard Bienvenu (Boston: Beacon Press, 1971).

Secondary (required)

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Michel Foucault, "Panopticism," in <u>Discipline and Punish: The Birth of the Prison</u>, trans. Alan Sheridan (New York: Vintage Books, 1979), 195-228.

Robin Evans, "Bentham's Panopticon: An Incident in the Social History of Architecture," <u>Architectural Association Quarterly</u> 3 (Spring 1971): 21-37.

Secondary (for reference)

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Sven-Olov Wallenstein, <u>Biopolitics and the Emergence of Modern</u>
<u>Architecture</u> (New York: Princeton Architectural Press, 2009), 1-42.

Robin Middleton, "Sickness, Madness and Crime as the Grounds of Form", Parts 1 and 2 in AA Files, No. 24, Autumn 1992 and No. 25, Summer 1993.

Osama W. Abi-Mershed, <u>Apostles of Modernity: Saint Simonians and the Civilizing Mission in Algeria</u> (Stanford, CA; Stanford University Press, 2010).

Dolores Hayden, Chap. 2, "Socialism in Modern Villages," <u>The Grand Domestic Revolution: A History of Feminist Designs for American Homes, Neighborhoods and Cities</u> (Cambridge, MA: MIT Press, 1981), 32-53.

Robin Evans, "Figures, Doors and Passages," <u>Architectural Design</u> 48, no. 4 (1978), 267-278.

Barry Bergdoll, <u>European Architecture 1750-1890</u> (Oxford and New York: Oxford University Press, 2000), Chap. 3, "Experimental Architecture: Landscape Gardens and Reform Institutions."

Dana Simmons, "Social Reform," <u>The Vital Minimum: Need, Science, and Politics in Modern France</u> (Chicago: University of Chicago, 2015).

Charles Bulfinch, Report of Charles Bulfinch on the State of Penitentiaries, Washington D.C.: Printed for the U.S. House of Representatives by Gale and Seaton, 1827.

Background

324. A. Bayly, <u>The Birth of the Modern World 1780-1914</u>(Malden, MA: Blackwell, 2004), Chap. 8, "The Theory and Practice of Liberalism, Rationalism, Socialism, and Science," 284-324.

5. Nature and Resource

Primary (required)

François Quesnay, "The Physiocratic Formula" [1758], <u>The Enlightenment</u> Reader (New York: Penguin, 1995), 496-502.

Richard Payne Knight, "An Analytical Inquiry into the Principals of Taste," [1805] and Uvedale Price, "An Essay on the Picturesque, as Compared with the Sublime and the Beautiful," [1794] in <u>The Genius of the Place: The English Landscape Garden 1620-1820</u> (Cambridge, 1988), pp. 348-350, 351-357.

(skim) Alexander von Humboldt, <u>Cosmos: A Sketch of a Physical Description of the Universe</u>, Vol. 1 [orig. 1845] trans. E.C. Otté (London: Henry G. Bohn, 1864), 1-15; 363-369.

Secondary (required)

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Andreas Malm, <u>Fossil Capital: The Rise of Steam Power and the Roots of Global Warming</u> (London: Verso, 2016), Ch. 3, "The Long Life of the Flow: Industrial Energy Before Coal," 37-57.

Vittoria Di Palma, "Wilderness, Wasteland, Garden," <u>Wasteland: A History</u> (New Haven: Yale University Press, 2014), 230-244.

Norton Wise, "Architectures for Steam" in <u>The Architecture of Science</u>, ed. Peter Galison and Emily Thompson (Cambridge, MA: MIT Press, 1999), 107-140.

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Secondary (for reference)

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Richard Drayton, "The Government of Nature," in Nature's Government: Science, Imperial Britain, and the 'Improvement' of the World (New Haven, CT: Yale University Press, 2000), 221-68.

Ann Bermingham, "System, Order and Abstraction: The Politics of English Landscape Drawing around 1795," Chapter 3 in W. J. T. Mitchell (ed.), Landscape and Power (Chicago: University of Chicago Press), 1994.

Louis P. Nelson, <u>Architecture and Empire in Jamaica</u> (New Haven: Yale University Press, 2016) Chap. 4, "Plantation and Power,", 219–67.

Mike Davis, "Preface," <u>Late Victorian Holocausts: El Niño Famines and the Making of the Third World</u> (New York and London: Verso, 2001), 1-16.

Background

450. A. Bayly, <u>The Birth of the Modern World 1780-1914</u>(Malden, MA: Blackwell, 2004), Chap. 12, "The Destruction of Native Peoples and Ecological Depredation," 432-450.

6. City and Territory

Primary (required)

Benjamin Henry Latrobe, <u>The Journal of Latrobe: Being the Notes and Sketches of an Architect, Naturalist and Traveler in the United States from 1796 to 1820</u> (New York: D. Appleton and Co., 1905), "Louisiana Limitations," 225-245.

Frederick Law Olmsted, <u>Public Parks and the Enlargement of Towns</u> (Cambridge, MA: American Social Science Association, 1870), 1-36.

Secondary (required)

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Cole Roskam, <u>Improvised City: Architecture and Governance in Shanghai, 1843-1937</u> (Seattle: University of Washington Press, 2019), Ch. 1, "The Architecture of Extraterritoriality," 17-52.

Swati Chattopadhay, The Limits of 'White Town' in Colonial Calcutta," <u>Journal of the Society of Architectural Historians</u> (June 2000), 154-179.

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Secondary (for reference)

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Francesco Dal Co, "From Parks to the Region: Progressive Ideology and the Reform of the American City", in Giorgio Ciucci et al. The American City: From the Civil War to the New Deal (London: Granada, 1980).

William Cronon, Nature's Metropolis: Chicago and the Great West (New York: W.W. Norton, 1991), Chap. 3, "Pricing the Future: Grain," 97-147.

Antoine Picon, "Chapter 9: A Productive Countryside" and "Gaspard Riche de Prony (1755-1839)," in <u>French Architects and Engineers in the Age of Enlightenment</u>, trans. Martin Thom (New York: Cambridge University Press, 1992), 211-255, 349-353.

Walter Johnson, "Introduction: Boom," <u>River of Dark Dreams</u>, (Cambridge: Harvard University Press, 2013), 1-17.

Michel Foucault, <u>Security, Territory, Population: Lectures at the Collège de France 1977-1978</u>, trans. Graham Burchell (New York: Palgrave Macmillan, 2004), "Lecture One: 11 January 1978," "Lecture Two: 18 January 1978," and "Lecture Three: 25 January 1978", 1-86.

Anthony Vidler, "Scenes of the Street" in <u>On Streets</u>, ed. Stanford Anderson (Cambridge: MIT Press, 1978), 29-51.

Barry Bergdoll, <u>European Architecture 1750-1890</u> (Oxford and New York: Oxford University Press, 2000), Chap. 2, "What is Enlightenment? The City and the Public, 1750-89."

Leonardo Benevolo, <u>History of Modern Architecture</u>, <u>Volume 1: The Tradition of Modern Architecture</u> [1960], trans. H. J. Landry (Cambridge, MA: MIT Press, 1977), Section 1, "Birth and Development of the Industrial Town," 1-124.

Stuart Banner, Ch. 5 "Removal," <u>How the Indians Lost Their Land: Law and Power on the Frontier</u>, Cambridge, MA: Belknap Press, 2007, 151 - 168.

7. Culture and Style

Primary (required)

Rām Rāz, <u>Essay on the Architecture of the Hindus</u> [1834] (London: J.W. Parker, 1834), 1-40.

Sir William Chambers, <u>Designs of Chinese Buildings</u>, <u>Furniture</u>, <u>Dresses</u>, <u>Machines and Utensils</u> (London, 1757), preface, a-b; temples, 1-5; towers, 5-6; other forms of building, 6-7; houses, 7-11; different kinds of columns, 11-13; Chinese machines and dresses, 13-14; art of laying out gardens, 14-19.

Heinrich Hübsch, <u>In What Style Should We Build?</u> [1828] (Chicago: University of Chicago Press, 1992), 63-85.

(skim/browse) Owen Jones, <u>The Grammar of Ornament</u> (London: Day and Son, 1856)

Secondary (required)

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Crinson, Mark. <u>Empire Building: Orientalism and Victorian Architecture</u>, Chap. 1: "Useful Knowledge: Interpreting Islamic Architecture, 1700-1840," 15-36.

Madhuri Desai, Interpreting an Architectural Past: Ram Raz and the Treatise in South Asia," <u>Journal of the Society of Architectural Historians</u> (Dec 2012), 426-487.

Secondary (for reference)

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Bergdoll, Barry. <u>European Architecture 1750-1890</u> (New York: Oxford University Press, 2000), Chap. 5, "Nationalism and Stylistic Debates in Architecture," 138-170.

Mark Jarzombek, "The 'Kunstgewerbe,' the 'Werkbund,' and the Aesthetics of Culture in the Wilhelmine Period," <u>Journal of the Society of Architectural Historians</u> 53, no. 1 (March 1994): 7-19.

Martin Berger, "Museum Architecture and Imperialism of Whiteness," <u>Sight Unseen</u> (Berkeley: University of California Press, 2005) 81-121.

Wolfgang Hermann, "Introduction" to Heinrich Hübsch, <u>In What Style Should We Build? The German Debate on Architectural Style</u> (Santa Monica: Getty Center, 1992), 1-60.

Geremie R. Barmé, "The Garden of Perfect Brightness, A Life in Ruins," <u>East Asian History</u> 11 (June 1996): 111-158.

1. Lewcock, <u>Early Nineteenth Century Architecture in South Africa: A Study of the Interaction of Two Cultures</u>, 1795-1837(Cape Town: A.A. Balkema, 1963).

Alex Bremner, "Nation and Empire in the Government Architecture of mid-Victorian London: The Foreign and India Office Reconsidered," <u>The Historical Journal</u> 48.3 (September 2005): 703-742.

Background

1. A. Bayly, <u>The Birth of the Modern World 1780-1914</u> (Malden, MA: Blackwell, 2004), Chap. 6, "Nation, Empire, and Ethnicity 1800-1860," 199-243 (esp. 199-226).

8. Industry and Morality

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.

John Ruskin, "The Nature of the Gothic," in J. D. Rosenberg, ed., <u>The Genius of</u> John Ruskin: Selections from the Writings (1863), 170-196.

Victor Hugo, "This Will Kill That," in <u>The Hunchback of Notre Dame</u> (orig. <u>Notre-Dame de Paris</u>, 1837), New York: Modern Library, 2002, pp. 161-173.

Secondary (required)

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G.A. Bremner, <u>Imperial Gothic and High Anglican Culture in the British Empire</u> 1840-1870 (London: Paul Mellon Center for Studies in British Art, 2013), Chap. 3, "Adaptation and Invention: The Theory and Practice of Acclimatisation."

Robin Evans, "Rookeries and Model Dwellings," <u>Translation from Drawing to Building</u> (Cambridge, MA: MIT Press, 1997), 92-114.

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Secondary (for reference)

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Deborah E. B. Weiner, "The Architecture of Victorian Philanthropy: The Settlement House as Manorial Residence," Art History 13, no.2, June 1990.

Michael J. Lewis, <u>The Gothic Revival</u> (New York: Thames & Hudson, 2002),13-57, 81-93, 105-23.

Barry Bergdoll, <u>European Architecture 1750-1890</u> (Oxford and New York: Oxford University Press, 2000), Chap. 3, "Experimental Architecture: Landscape Gardens and Reform Institutions."

Nicholas Bullock and James Read, <u>The Movement for Housing Reform in Germany and France</u>, 1840-1914 (New York: Cambridge University Press, 1985).

Dana Simmons, <u>The Vital Minimum: Need, Science, and Politics in Modern France</u> (Chicago: University of Chicago, 2015).

Leonardo Benevolo, <u>History of Modern Architecture</u>, <u>Volume 1: The Tradition of Modern Architecture</u> [1960], trans. H. J. Landry (Cambridge, MA: MIT Press, 1977), "The Debate on the Industrial Town," 127-187.

Dolores Hayden, Chap. 2, "Socialism in Modern Villages," <u>The Grand Domestic Revolution: A History of Feminist Designs for American Homes, Neighborhoods and Cities</u> (Cambridge, MA: MIT Press, 1981), 32-53.

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9. Labor and Gender

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(Recommended) Friedrich Engels, <u>The Condition of the Working Class in England in 1844</u> (London: Allen and Unwin, 1950), Chap. 2, "The Great Towns," 23-74.

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Dolores Hayden, Chap. 3 "Feminism and Model Households," <u>The Grand Domestic Revolution: A History of Feminist Designs for American Homes, Neighborhoods and Cities</u> (Cambridge, MA: MIT Press, 1981) 54-65.

Thomas Dublin, "Women, Work, and Protest in the Early Lowell Mills: 'The Oppressing Hand of Avarice Would Enslave Us,'" <u>Labor History</u> 16, no. 1 (1975): 99-116.

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Annmarie Adams, Chapter 4, "Childbirth at Home," in <u>Architecture in the Family Way: Doctors, Houses and Women, 1870-1900</u> (Montreal: McGill's-Queens University Press, 1996).

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Zeynep Celik, <u>Displaying the Orient: Architecture of Islam at Nineteenth-Century World's Fairs</u> (Berkeley, CA: University of California Press, 1992), Introduction, 1-15.

On Barak, "En Route," <u>On Time: Technology and Temporality in Modern</u> <u>Egypt</u> (Berkeley and Los Angeles: University of California Press, 2013): 21-52.

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11. Machines and Meaning

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William Morris, News from Nowhere: Or, An Epoch of Rest, being Some Chapters from a Utopian Romance, (Hammersmith: Kelmscott Press, 1893), Chaps. 1-3, 1-30.

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Joanna Merwood-Salisbury, <u>Chicago 1890: The Skyscraper and the Modern City</u> (Chicago: University of Chicago Press, 2009), Chap. 2, 38-54.

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12. Metropolis and Empire

Primary (required)

Ebenezer Howard, <u>To-morrow: A Peaceful Path to Real Reform</u> (London: Swan Sonnenschein, 1898), "Introduction," 1-11; Chap. 1, "The Town-Country Magnet," 12-19, Chap. 2, "The Revenue of the Garden City, and how it is obtained—The Agricultural Estate," 20-19; Chap. 3, "The revenue of the Garden City—Town Estate," 31-35; Chap. 4, "The Revenue of the Garden City—General Observations on Its Expenditure," 36-50; Chap. 9, "Administration—A Bird's Eye View," 91-93.

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Carl E. Schorske, <u>Fin-de-siècle Vienna: Politics and Culture</u> (New York: Alfred A. Knopf, 1980), Chap. 2, "The Ringstrasse, Its Critics, and the Birth of Urban Modernism," 24-115.

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Ramón Gutiérrez, "Buenos Aires, A Great European City," in Arturo Almandoz, <u>Planning Latin America's Capital Cities, 1850-1950</u> (New York Routledge, 2002), 45-74.

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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
- 1756 Jacques-Germain Soufflot, Ste. Geneviève, Paris (1756-1790)
- 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, Enyclopédie, 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.
- 1790 John Soane, Bank of England, London
- 1791 Jeremy Bentham, Panopticon
- 1792 Horace Walpole, Strawberry Hill, Middlesex (1749-1792)
- 1793 Thornton, Latrobe, Bulfinch, et al, United States Capitol, Washington, D.C.
- 1793 Jefferson, Thornton, Hallet, Latrobe, et al. White House, Washington, D.C.
- 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, Pennysylvania
- 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
- 1857 Victor Baltard and Félix-Emmanuel Callet, Les Halles, Paris (1853-1857)
- 1858 Henri Labrouste, Bibliothèque Ste. Genieviève (1838-1850)
- 1860 Deane, Woodward, Skidmore, Oxford Museum, Oxfor
- 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
- 1860 Deane, Woodward, Skidmore, Oxford Museum, Oxford
- 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 Charles Barry, Houses of Parliament, London (1840-1870)
- 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, Sickingenstrasse, 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

- 1910 Pennsylvania Station, Charles F. McKim, William R. Mead, Stanford White, New York
- 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, <u>The Antiquities of Athens</u> (1762-1816)
- 1765 Giambattista Piranesi, Thoughts on Architecture
- 1779 James Rendell, A Bengal Atlas
- 1782 James Rendell, Memoir of a Map of Hindoostan
- 1795 Étienne-Louis Boullée, Architecture, Essay on Art
- 1796 Gaspard Riche de Prony, Nouvelle architecture hydraulique
- 1848 Louisa C. Tuthill, <u>History of Architecture from the Earliest Times; Its</u> Present Condition in Europe and the United States
- 1849 J. S. Buckingham, <u>National Evils and Practical Remedies. With the Plan</u> of a Model Town
- 1855 James Fergusson, The Illustrated Handbook of Architecture
- 1856 Owen Jones, The Grammar of Ornament
- 1857 Calvert Vaux, <u>Villas and Cottages: A Series of Design for Execution in the United States</u>
- 1872 <u>Usul-i Mimari-i Osmani (Ottoman Architecture)</u> (in Turkish, French, and German but no English)
- 1889 Camillo Sitte, City Planning According to Artistic Principles
- 1896 Banister Fletcher, A History of Architecture on the Comparative Method

1899 Auguste Choisy, <u>Histoire de l'architecture, Vols. 1 & 2</u>

1904 Auguste Choisy, <u>L'art de bâtir chez les Égyptiens</u>