

## Questions in Architectural History 1

(Late 18th – 19th Century)

Faculty: **Christopher Cowell**, Mary McLeod, Reinhold Martin

Teaching Fellows: Caitlin Blanchfield, **Benedict Clouette**, Samuel Stewart-Halevy, **Robin Honggare**, Alireza Karbasioun, Elliott Sturtevant, **Ife Venable**.

ARCH A4348

**Wed 11am-1pm / Avery 115** (Cowell)

Fall 2018

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:

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

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

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

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

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

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

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

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

## Weekly Topics

### 1. Architecture and History

September 5th

Lecturer: Chris Cowell

#### Primary (required)

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

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

William Hodges, Travels in India During the Years 1780, 1781, 1782, & 1783 (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)

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

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

#### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 1, "Old Regimes and 'Archaic Globalization'," 27-48.

#### Additional Readings

Stephen Cairns, "Notes for an Alternative History of the Primitive Hut," in Primitive: Original Matters in Architecture, Jo Odgers, Flora Samuel and Adam Sharr, eds., (London; New York: Routledge, 2006), 86-95.

Alain Schnapp, The Discovery of the Past: The Origins of Archaeology (London: British Museum Press, 1996), Chap. 4, "On the Rejection of the Natural History of Man" 221-272.

Françoise Choay, The Invention of the Historic Monument, trans. Lauren M. O'Connell (Cambridge: Cambridge University Press, 2001), "The Consecration Phase: Institutionalization of the Historic Monument, 1820-1960."

Tapati Guha-Thakurta, Monuments, Objects, Histories: Institutions of Art in Colonial and Postcolonial India (New York: Columbia University Press, 2004), Chap. 1, "The Empire and its Antiquities: Two Pioneers and Their Scholarly Fields," 3-42.

Alain Schnapp, The Discovery of the Past: The Origins of Archaeology (London: British Museum Press, 1996), Chap. 5, "The Invention of Archaeology," 275-314.

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

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.

Karl Marx, The Marx-Engels Reader, ed. Robert C. Tucker (New York: Norton, 1978), "The Eighteenth Brumaire of Louis Bonaparte," 594-617.

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

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

John Elsner and Roger Cardinal, eds., The Cultures of Collecting (Cambridge, MA: Harvard University Press, 1994), John Elsner, "A Collector's Model of Desire; The House and Museum of Sir John Soane."

Mari Lending, "Negotiating Absence: Bernard Tschumi's new Acropolis Museum in Athens," The Journal of Architecture, Vol. 14, No. 5, pp. 567-689.

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

Andrew McClellan, Inventing the Louvre: Art, Politics, and the Origin of the Modern Museum in Eighteenth-Century Paris (Cambridge, 1994), "The Revolutionary Louvre," 91-123.

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

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

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

Vivek Cibber, Postcolonial Theory and the Specter of Capital (London: Verso, 2013), Chap. 9, "The (Non)Problem of Historicism," 209-248.

## **2. Architecture and Revolution**

September 12th

Lecturer: Cesare Birignani

### Primary (required)

Johann Wolfgang von Goethe, "On German Architecture" [1773], in Goethe's Literary Essays, ed. J. E. Spingarn (New York: Harcourt, Brace and Company, 1921): 3-14.

Thomas Jefferson, Notes on the State of Virginia [1781, 1787] (Richmond: J. W. Randolph, 1853), Query I, "Boundaries of Virginia," 1-2; Query VIII, "Population," 90-96; Query XIV, "Laws," 140-60; Query XV, "Colleges, Buildings and Roads," 161-65.

Etienne-Louis Boullée, "Architecture, Essay on Art" [1780s-1793], in Boullée & Visionary Architecture, 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.

### Secondary (required)

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

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

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

### Background

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

### Additional Readings

Carl Anthony, "The Big House and the Slave Quarters: Part I, Prelude to New World Architecture," in Landscape, Vol. 20, Number 3, Spring 1976. pp.8-19.

Carl Anthony, "The Big House and the Slave Quarters: Part II, African Contributions to the New World," in Landscape, Vol. 21, Number 1, Autumn 1976. pp.9-15.

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

Spillers, Hortense: "Mama's Baby, Papa's Maybe; An American Grammar Book," Diacritics 17, no. 2 (Summer 1987).

Simon Gikandi, Culture of Taste, (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.

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

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

Zeynep Çelik, "A New Monumentality and an Official Architecture," Empire, Architecture, 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," American Quarterly 51, no. 3 (September 1999).

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

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

### 3. Institutions and Classification

September 19th

Lecturer: Cesare Birignani

#### Primary (required)

Jean-Nicolas-Louis Durand, Précis of the Lectures on Architecture [1802-1805], trans. David Britt (Los Angeles: Getty Research Institute, 2000), "Preface," 73-76; "Introduction," 77-88.

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

#### Secondary (required)

Anthony Vidler, "The Idea of Type: The Transformation of the Academic Ideal, 1750-1830," Oppositions, no. 8 (Spring 1977): 95-115.

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

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

#### Background

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

#### Additional Readings

Georges Teyssot, A Topology of Everyday Constellations (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," AA Files 47 (2002): 45-56.

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

Andrew McClellan, Inventing the Louvre: Art, Politics, and the Origin of the Modern Museum in Eighteenth-Century Paris (Cambridge, 1994), "The Revolutionary Louvre," 91-123.

David Van Zanten, Building Paris: Architectural Institutions and the Transformation of the French Capital 1830-1870 (1994). SELECTIONS TBD



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.

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

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

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

### **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)

Jeremy Bentham, "Panopticon, or the Inspection House" [1787], in The Emergence of Modern Architecture, eds. Liane Lefaivre and Alexander Tzonis (London and New York: Routledge, 2004), 444-454.

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

Charles Fourier, "The Phalanstery" [1822], The Utopian vision of Charles Fourier, eds. Jonathan Beecher and Richard Bienvenu (Boston: Beacon Press, 1971), 240-242.

#### Secondary (required)

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

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

Louis P. Nelson, Architecture and Empire in Jamaica (New Haven: Yale University Press, 2016) Chap. 4, "Plantation and Power," 97-130.

### Background

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

### Additional Readings

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.

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

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

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

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

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

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

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

## **5. Industry, Morality, Revival**

[October 3rd]

Lecturer: Chris Cowell

### Primary (required)

Augustus Welby Pugin, Contrasts: Or, A Parallel Between the Noble Edifices of the Middle Ages and Similar Buildings of the Present Day (London: Printed for the Author, 1836), Preface, iii-iv; 1-35; Appendix & Plates, 39ff.

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

### Secondary (required)

Michael J. Lewis, The Gothic Revival (New York: Thames & Hudson, 2002), Chap. 1, "Literature," 13-35; Chap. 2, "Romanticism," 37-57; Chap. 4, "Truth," 81-93 (part chapter).

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

G.A. Bremner, Imperial Gothic and High Anglican Culture in the British Empire 1840-1870 (London: Paul Mellon Center for Studies in British Art, 2013), Chap. 3, "Adaptation and Invention: The Theory and Practice of Acclimatisation," 125-184.

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 9, "Empires of Religion," 325-365.

### Additional Readings

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

Richard Wittman, "Space, Networks, and the Saint-Simonians," Grey Room 40 (Summer 2010): 24-49.

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

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

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

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

Anson Rabinbach, The Human Motor: Energy, Fatigue, and the Origins of Modernity (Berkeley and Los Angeles: University of California Press, 1990), Chap. ??, "Transcendental Materialism: The Primacy of Arbeitskraft," 45-68

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

Vidler, Anthony. "The Scenes of the Street: Transformations in Ideal and Reality, 1750-1871," in Stanford Anderson: On Streets (Cambridge: The MIT Press, 1991), 29-51.

Françoise Choay, The Modern City (New York: G. Braziller, 1970), "Pre-Urbanism and Urbanism: The Progressivist Model," 31-102.

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

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

## 6. Nature and Resource

October 10th

Lecturer: Zeynep Çelik Alexander

### Primary (required)

Alexander von Humboldt and Aimé Bonpland, "Essay on the Geography of Plants," [1807] Essay on the Geography of Plants, ed. and introd. by Stephen T. Jackson, trans. Sylvie Romanowski (Chicago and London: University of Chicago Press, 2009), 61-155. (esp. pp. 61-75.)

Edmund Burke, A Philosophical Enquiry into the Origin of Our Ideas of the Sublime and Beautiful [1757] (Oxford; New York: Oxford University Press, 1990), Part I: Section VII "Of the Sublime," 36-37; Section X "Of Beauty," 39-40; Section XVIII "The Recapitulation," 47-48; Section XIX "The Conclusion," 48-50; Part II: Section I "Of the Passions caused by the Sublime," 53; Section II "Terror," 53-54; and Part III: Section XXVII "The Sublime and the Beautiful Compared" 113-14.

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 The Genius of the Place: The English Landscape Garden 1620-1820 (Cambridge, 1988), pp. 348-350, 351-357.

### Secondary (required)

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

### Background

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

### Secondary (recommended)

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.

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

### Additional Readings

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

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

Allen S. Weiss, "Vaux-le-Vicomte, Anamorphosis Abscondita," in Mirrors of Infinity: The French Formal Garden and 17<sup>th</sup> Century Metaphysics (Princeton: Princeton Architectural Press, 1995).

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.

The History of Garden Design: The Western Tradition from the Renaissance to the Present Day, eds. Georges Teyssot and Monique Mosser (London: Thames and Hudson, 1991). [Selections]

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

Anson Rabinbach, "Transcendental Materialism: The Primacy of Arbeitskraft," The Human Motor: Energy, Fatigue, and the Origins of Modernity (Berkeley and Los Angeles: University of California Press, 1990), 45-68.

## **7. Machines and Meaning**

October 17th

Lecturer: Zeynep Çelik Alexander

### Primary (required)

Louis Sullivan, "The Tall Office Building Artistically Considered," Lippincott's Magazine (March 23, 1896), 403-409.

Sigfried Giedion, Building in France, Building in Iron, Building in Ferroconcrete [1928] (Los Angeles: Getty Center for the History of Art and the Humanities, 1995), skim read, but esp. 211-18.

Peter Behrens, "Art and Technology," [1910] in Tilmann Buddensieg, Industriekultur: Peter Behrens and the AEG, 1907-1914 (Cambridge, Mass.: MIT Press, 1984), 212-219.

### Secondary (required)

Joanna Merwood-Salisbury, Chicago 1890: The Skyscraper and the Modern City (Chicago: University of Chicago Press, 2009), Chaps. 2, 3 and 5, 38 - 73, 95 - 115. [Selection TBC]

Norton Wise, "Architectures for Steam" in The Architecture of Science, ed. Peter Galison and Emily Thompson (Cambridge, MA: MIT Press, 1999), 107-140. ~~[TBC]~~

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 10, "The World of the Arts and the Imagination," 366-392.

#### Additional Readings

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.

Siegfried Giedion, Mechanization Takes Command (New York: Oxford University Press, 1948).

Walter Benjamin, The Arcades Project, trans. Howard Eiland and Kevin McLaughlin (Cambridge, MA: The Belknap Press, 1999), Convolute F, "Iron Construction," 150-70.

Barry Bergdoll, European Architecture 1750-1890 (Oxford and New York: Oxford University Press, 2000), Chap. 7, "New Technology and Architectural Form, 1851-90," 207-240.

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

Thomas P. Hughes, "Berlin: The Coordination of Technology and Politics" in Networks of Power: Electrification in Western Society (Baltimore: Johns Hopkins University Press, 1983), 175-200.

Sven Beckert, Empire of Cotton: A Global History (New York: Knopf, 2014).

Jürgen Osterhammel, The Transformation of the World: A Global History of the Nineteenth Century, trans. Patrick Camiller (Princeton: Princeton University Press, 2014), Chap. XIV, "Networks: Extension, Density, Holes," 710-743.

Peter Sloterdijk, "The Crystal Palace," in In the World Interior of Capital, trans. Wieland Hoban (Polity Press, Cambridge, 2013), 169-176.

## **8. Culture and Style**

October 24th

Lecturer: Ralph Ghoche

### Primary (required)

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

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

### Secondary (required)

Bergdoll, Barry. European Architecture 1750-1890 (New York: Oxford University Press, 2000), Chap. 5, "Nationalism and Stylistic Debates in Architecture," 138-170; Chap. 6, "Historicism and New Building Types," 173-184 (part chapter).

Neil Levine, "The Book and the Building: Hugo's Theory of Architecture and Labrouste's Bibliothèque Ste-Geneviève, in Robin Middleton, ed., The Beaux-Arts and Nineteenth-Century French Architecture, Cambridge, Mass., 1982, pp. 138-73.

Richard Chaffee, "The Teaching of Architecture at the Ecole des Beaux Arts," The Architecture of the Ecole des Beaux Arts (New York: MoMA, 1975), pp. 97-106.

### Background

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

### Additional Readings

Owen Jones, The Grammar of Ornament (London: Day and Son, 1856).

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

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.

Barbara Whitney Keyser, "Ornament as Idea; Indirect Imitation of Nature in the Design Reform Movement," in Journal of Design History, Vol. 11, No. 2, 1998.

Gülru Necipoğlu, "Ornamentalism and Orientalism: The Nineteenth- and Early Twentieth-Century European Literature," Chapter 4 in The Topkapi Scroll - Geometry and Ornament in Islamic Architecture (Santa Monica: The Getty Center for the History of Art and Humanities, 1995).

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

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

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.

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

Deborah L. Silverman, "Art Nouveau, Art of Darkness: African Lineages of Belgian Modernism," Part I, West 86<sup>th</sup>, 18, no. 2 (Fall-Winter 2011): 139-181.

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

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

B. Lewcock, Early Nineteenth Century Architecture in South Africa: A Study of the Interaction of Two Cultures, 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," The Historical Journal 48.3 (September 2005): 703-742.

Deborah L. Silverman, "Art Nouveau, Art of Darkness: African Lineages of Belgian Modernism," Part I, West 86<sup>th</sup>, v. 18, no. 2 (Fall-Winter 2011): 139-181.

## 9. Cosmopolitanism and Expertise

October 31st

Lecturer: Ralph Ghoche

### Primary (required)

Saint-Simonians, "On the Necessity of a New Social Doctrine," The Doctrine of Saint-Simon: an Exposition. First Year 1828-1829, tr. Georg G. Iggers (Boston: Beacon Press, 1958), pp. 1-25.

Alexis de Tocqueville, excerpts from Writings on Empire and Slavery, 1837-41, tr. Jennifer Pitts (Baltimore: Johns Hopkins University Press, 2001), pp. 14-18, 36-37, 59-66.

Gottfried Semper, "The Four Elements of Architecture" [1851, excerpts], in Semper, The Four Elements of Architecture and Other Writings, trans H. Mallgrave and W. Hermann (New York: Cambridge University Press, 1989), 101-111.

### Secondary (required)

Eric Hobsbawm, "The World Unified," in The Age of Capital, pp. 64-87.

Zeynep Çelik and Leila Kinney, "Ethnography and Exhibitionism at the Expositions Universelles," Assemblage, No. 13 (Dec., 1990), pp. 34-59.

Charles Davis, "Viollet-le-Duc and the Body: The Metaphorical Integrations of Race and Style in Structural Rationalism," Architectural Research Quarterly 14, no. 4 (2010): 341-348.

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004) Chap. 11, "The Reconstitution of Social Hierarchies," 395-431.

### Additional Readings

Eugène-Emmanuel Viollet-le-Duc, The Habitations of Man in All Ages (1875), trans. Benjamin Bucknall (Boston: J.R. Osgood & Co., 1876), 1-26, 377-394.

Timothy Mitchell, Colonizing Egypt (Cambridge: Cambridge University Press, 1988), Chap. 1, "Egypt at the Exhibition," 1-33.

Pieter Van Wesemael, Architecture of Instruction and Delight. A Socio-Historical Analysis of World Exhibitions as a Didactic Phenomenon (1798-1851-1970) (Rotterdam, 010 Publishers, 2001), pp. 219-284.

Zeynep Celik, Displaying the Orient: Architecture of Islam at Nineteenth-Century World's Fairs (Berkeley, CA: University of California Press, 1992). Selections TBD.

Paul Greenhalgh, Ephemeral Vistas: The Expositions Universelles, Great Exhibitions and World's Fairs, 1851-1939 (Manchester, UK: Manchester University Press, 1991). Chapter TBD.

Paul Rabinow, French Modern: Norms and Forms of the Social Environment (Chicago: University of Chicago Press, 1989), Chap. 9, "Techno-Cosmopolitanism: Governing Morocco," 277-319.



Janet Abu-Lughod, Cairo: 1001 Years of the City Victorious (Princeton: Princeton University Press, 1971), Chap. 7, "The Origins of Modern Cairo," 98-117.

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

Alain Schnapp, The Discovery of the Past: The Origins of Archaeology (London: British Museum Press, 1996), Chap. 4, "On the Rejection of the Natural History of Man" 221-272.

Charles Davis, "Viollet-le-Duc and the Body: The Metaphorical Integrations of Race and Style in Structural Rationalism," Architectural Research Quarterly 14, no. 4 (2010): 341-348.

Martin Bressani, Architecture and the Historical Imagination: Eugène-Emmanuel Viollet-le-Duc, 1814-1879 (Burlington, VT and Surrey, UK: Ashgate, 2014), Chap. 10, "Instinct and Race," 333-380, AND/OR Chap. 11, "Style," 381-406.

Gülsüm Baydar Nalbantoğlu, "Toward Postcolonial Openings: Rereading Sir Banister Fletcher's History of Architecture," Assemblage 35 (April 1998): 6-17.

Nicholas Pevsner, "James Fergusson," in Some Architectural Writers of the Nineteenth Century (Oxford and New York: Oxford University Press, 1972), 238-251.

Jürgen Osterhammel, The Transformation of the World: A Global History of the Nineteenth Century, trans. Patrick Camiller (Princeton: Princeton University Press, 2014), Chap. VI, "Cities: European Models and Worldwide Creativity," 241-321.

## **10. Work and Domesticity**

November 7th

Lecturer: Chris Cowell

### Primary (required)

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

Catherine Beecher and Harriet Beecher Stowe, The American Woman's Home: A Guide to the Formation and Maintenance of Economical, Healthful, and Christian Homes (New York and Boston: J. B. Ford and H. A. Brown, 1869), Required: Chap. 1, "The Christian Family," 17-22; Chap. 2, "A Christian House," 23-42.

Walter Benjamin, The Arcades Project, trans. Howard Eiland and Kevin McLaughlin (Cambridge, MA: The Belknap Press, 1999), Convolute I, "The Interior, The Trace," 212-227.

### Secondary (required)

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

Louisa Iarocci, Chap. 3. "The Factory and the Fair," in The Urban Department Store in America, 1850-1930 (Farnham: Ashgate, 2014), 69-99.

Sigfried Giedion, "Mechanization Encounters the Household," in Mechanization Takes Command: A Contribution to Anonymous History (New York, Oxford Univ. Press, 1948), 512-547.

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 5, "Industrialization and the New City," 170-198.

### Additional Readings

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

Anne Friedberg, "The Passage from Arcade to Cinema," including "Passage II," Chapter 2, in Window Shopping; Cinema and the Postmodern (Berkeley: The University of California Press, 1993).

Robert Hendrickson, The Grand Emporiums: The Illustrated History of America's Great Department Stores (New York: Stein and Day, 1979).

Roger N. Holden, "The Architect and the Lancashire Cotton Industry, 1850-1914: The Example of Stott & Sons," Textile History 23, no. 2 (1992), 243-257.

Kay Boardman, "The Ideology of Domesticity: The Regulation of the Household Economy in Victorian Women's Magazines," Victorian Periodicals Review, Vol. 33, No. 2 (Summer, 2000), 150-164.

Mary Louise Roberts, "Gender, Consumption, and Commodity Culture," The American Historical Review 103, no. 3 (June 1998), 817-844.

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

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

Jürgen Osterhammel, The Transformation of the World: A Global History of the Nineteenth Century, trans. Patrick Camiller (Princeton: Princeton University Press, 2014), Chap. XIII, "Labor: The Physical Basis of Culture," 673-709.

## **11. Town, Territory, State**

November 14th

Lecturer: Chris Cowell

### Primary (required):

Ebenezer Howard, To-morrow: A Peaceful Path to Real Reform (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," 20-30; 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.

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

### Secondary (required)

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

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

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

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 7, "Myths and Technologies of the Modern State," 247-283.

### Additional Readings

Michel Foucault, Security, Territory, Population: Lectures at the Collège de France 1977-1978, 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.

Armand Mattelart, Networking the World, 1794-2000 (Minneapolis, MN: University of Minnesota Press, 2000), Chap. 1, "Networks of Universalization," 1-21.

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

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).

Aaron Sachs, The Humboldt Current: Nineteenth Century Exploration and the Roots of American Environmentalism (New York: Viking Books, 2006).

William Cronon, Nature's Metropolis: Chicago and the Great West (New York: W.W. Norton, 1991), Chap. 5, "Annihilating Space: Meat," 207-262.

Wolfgang Schivelbusch, The Railway Journey: Trains and Travel in the 19<sup>th</sup> Century (New York: Urizen Books, 1979).

William H. Coaldrake, Architecture and Authority in Japan (New York: Routledge, 1996), Chap. 8, "Building the Meiji State," 208-250.

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

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

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

Françoise Choay, "Pre-Urbanism and Urbanism: The Progressist Model," in The Modern City (New York: G. Braziller, 1970), 31-102

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

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

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

## **12. Metropolis and Empire**

November 28th

Lecturer: Chris Cowell

### Primary (required)

Daniel H. Burnham and Edward H. Bennett, Plan of Chicago, Prepared Under the Direction of the Commercial Club During the Years MCMVI, MCMVII, and MCMVIII, ed. Charles Moore (Chicago: The Commercial Club, 1909), Chaps. 1-3, 1-42.

(browse/skim) Henry G. Lyons, The Cadastral Survey of Egypt 1892-1907 (Cairo: National Printing Department, 1908), Introduction, 1-12; also recommended: Chap. 10, "General Account of the Cadastral Survey, 1897-1907," 123-149.

Herbert Baker, "The New Delhi," in The Times (London, Oct. 3rd, 1912), 7.

Georg Simmel, Chap. 1, "The Metropolis and Mental Life" (1903), in The Blackwell City Reader, eds. Gary Bridge and Sophie Watson (Oxford and Malden, MA: Wiley-Blackwell, 2002), 11-19.

### Secondary (required)

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

Robert Grant Irving, Chap. 4. "Evolution of a City Plan," in Indian Summer: Lutyens, Baker and Imperial Delhi (New Haven, CT.: Yale University Press, 1981), 53-90.

### Background

C. A. Bayly, The Birth of the Modern World 1780-1914 (Malden, MA: Blackwell, 2004), Chap. 13, "Conclusion: The Great Acceleration, c. 1890-1914," 451-487.

#### Additional Readings

William H. Coaldrake, Architecture and Authority in Japan (New York: Routledge, 1996), Chap. 8, "Building the Meiji State," 208-250.

David Harvey, Chapters 5-7, "Money Credit and Finance," "Rent and the Propertied Interest," "The State", in Paris, Capital of Modernity (New York: Routledge, 2003).

John Summerson, The London Building World of the Eighteen Sixties (London: Thames and Hudson, 1973).

Goran Therborn, Chapter 4, "National Foundations: Nationalizing Colonialism," in Cities of Power: The Urban, the National, The Popular, the Global (New York: Verso, 2017)

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

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

Margareth da Silva Pereira, "The Time of the Capitals: Rio de Janeiro and São Paulo: Words, Actors and Plans," in Planning Latin America's Capital Cities, 1850-1950, ed. Arturo Almandoz (New York: Routledge, 2002), 75-108.

Carol McMichael Reese, "The Urban Development of Mexico City, 1850-1930," in Arturo Almandoz, Planning Latin America's Capital Cities, 1850-1950 (New York: Routledge, 2002), 139-169.

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

Françoise Choay, "Pre-Urbanism and Urbanism: The Culturalist Model," in The Modern City (New York: G. Braziller, 1970), 102-107.

Yasemin Avci, "The Application of Tanzimat in the Desert: The Bedouins and the Creation of a New Town in Southern Palestine (1860-1914)," Middle Eastern Studies 45, no. 6 (November 2009): 969-983.

Jens Hanssen, "'Your Beirut Is on My Desk': Ottomanizing Beirut under Sultan Abdülhamid (1876-1909)" in Peter G. Rowe and Hashim Sarkis, eds. Projecting Beirut: Episodes in the Construction and Reconstruction of a Modern City (Prestel: Munich, 1998), 41-67.

Bergdoll, Barry. European Architecture 1750-1890 (New York: Oxford University Press, 2000), Chap. 8, "The City Transformed, 1848-90," 241-267.

Jürgen Osterhammel, The Transformation of the World: A Global History of the Nineteenth Century, trans. Patrick Camiller (Princeton: Princeton University Press, 2014), Chap. VIII, "Imperial Systems and Nation-States: The Persistence of Empires," 392-468.

## 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, 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.
- 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 Regensburg (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 Theophilus 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, Pennsylvania

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, Oxford

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, Entwurf 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