

Course Syllabus

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Prof. Victoria Sanger

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Architecture A4332

Tuesday 1:00pm-3:00pm

409 Avery Hall

European Urban Cartography 16th-19th Centuries

This course presents a critical period in the history of Western urban cartography. The sixteenth through the nineteenth century witnessed expansion and mechanization of cities and their maps evolving from the Age of Discovery and the invention of the printing press to the Industrial Revolution.

Today, maps are no longer seen as objective vehicles of data. We will look at city maps from a variety of angles: as tools combining planning, documenting, and governing while also being artistic and symbolic form in their own right. They are also works using different techniques made by graphic artists and craftsmen on paper and other media. How might all these aspects interact? The class will focus on a few major European cities and colonies (Rome, Paris, London, New York) and, where possible students will work with facsimiles and original maps in New York collections. Throughout the course, students are encouraged to criticize digital presentations of historic maps and make parallels with contemporary methods of cartography such as Google Earth and GIS.

The format is part lecture, part reading discussion and map analysis. The first half of the semester will cover the different techniques of cartography and the major cartographers of the period across countries. Most of the assigned readings are in the first half of the course. There are also assigned maps either online or in facsimiles in Avery Library. The second half of the course will be on case study cities and their most famous maps (Rome, Paris, London, New York). Please come to class having done the assigned reading and reviewed the maps ahead of time. Also review the basic history of each city (for example in Girouard or Benevolo). I will bring facsimiles of maps to class and we will analyze them together. Participation is encouraged and welcome at all times. We will have a session in the Avery Classics to look at original maps and consider the physical aspect of originals as essential for their study. A visit to the Map Division at the New York Public Library will explore map study in the rich materials pertaining to New York. We will also take a walking tour of lower Manhattan comparing its current state to its depictions in early Dutch and English maps.

Assignments:

20%: Attendance and timeliness of assignments

20%: Paper topic. Due March 8 -- bring in final topic, outline and bibliography

60%: Final exam paper due May 3 -- Analyze and compare 2 examples of maps of your choice based on course themes, lectures and readings. You can choose from material covered in class or outside (on approval). One of the works examined must be an original or a facsimile on paper.

1: January 17: Introduction. Urban cartography 1600-1900

Readings:

J.B. Harley, "Maps, Knowledge and Power", in *The New Nature of Maps: Essays in the History of Cartography*, The Johns Hopkins University press, Baltimore and London, 2001, (1st ed. 1988), ch. 2 pp. 52-81

Svetlana Alpers, "The Mapping Impulse in Dutch Art," in *The Art of Describing: Dutch Art in the Seventeenth Century*, Chacago, University of Chicago Press, 2007, ch. 4, pp. 119-168

2: January 24: A survey of European urban cartography

Reading:

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James Elliot, *The City in Maps: Urban Mapping to 1900*, The British Library, 1987.

Catherine Delano-Smith, "Mapping Towns," in *English Maps: A History*, University of Toronto Press, Toronto and Buffalo, 1999, ch. 6, pp. 179-214-- Courseworks "Files and Resources"

4: Jan 31: Bird's Eye and Planimetric Formats

Paper topic, outline, bibliography due. Schedule your presentation

Readings:

1. A. Pinto, "Origins and Development of the Ichnographic City Plan", *Journal of the Society of Architectural Historians*, Vol. 35, No. 1 (Mar., 1976), pp. 35-50 -- Courseworks "Files and Resources"

Jeurgen Schulz, "Jacopo de'Barbari's view of Venice: map making, city views and moralized geography before the year 1500," *Art Bulletin*, 60, 1978, 427-73 -- Courseworks "Files and Resources"

Examples:

Leonardo Bufalini, *Pianta di Roma*, 1551 (facsimile Avery AA1115 B863 -- oversize reserve shelf 408)

Jacopo de'Barbari, *La pianta prospettica di Venezia del 1500 disegnata da Jacopo de'Barbari*, Cassa di risparmio di Venezia, 1963 (Facsimile from British Museum copy, Avery AA1116 V5 B23 FF -- oversize reserve shelf 408)

5: Feb. 7: Maps as works on paper

Attention: class will take place in the Avery Department of Drawings and Archives, Seminar Room.

Readings:

David Woodward, ed., *Five centuries of map printing*, Chicago, University of Chicago Press, 1975, pages TBA

Sponberg Pedley, Mary. *The Commerce of Cartography*. Chicago: University of Chicago, Press, 2005. pp. 1-13, 24-25, 180-185, 198-204

Reference work: William M. Ivins, *How prints look : photographs with commentary* Rev. and expanded ed. / revised by Marjorie B. Cohn, Boston : Beacon Press,

c1987.

Feb14 class rescheduled: Student meetings with professor to discuss paper topic

6: Feb 21 Beyond paper: Panoramas, City Models and Google Earth

Readings:

Victoria Sanger, "The French Collection of Plans-Reliefs as Political Instrument. Exhibition Review: La France en Relief" *Journal of Architecture*.

Vittoria Di Palma "Zoom: Google Earth and Global Intimacy," in *Intimate Metropolis: Urban Subjects in the Modern City*, Di Palma, Periton, Lathouri, eds. London, Routledge, 2008, pp. 239-270.

Bernard Comment, *The Panorama*, London, Reaktion, 1999 (French edition 1993). Avery N7635 C7362 (Reserve shelf 350). Introduction and ch. 14 "Panoramas and Panopticism." Please look at the original book on the reserve shelf because of the illustrations.

7: Feb 28: Rome

Readings:

Alberti, *Descriptio urbis Romae*, ca. 1433 (ed. Mario Carpo, Francesco Furlan, trans. Peter Hicks, Butler DG805.A42413 2007). Online edition LeoS. Olschiki Ed, Peter Hicks translation by Société Internationale Leon Battista Alberti, *Descriptio urbis Romae*, 2005, pp. 125-139.
<http://www.torrossa.it.ezproxy.cul.columbia.edu/resources/an/2493791>

Femke Speelberg, "Antonio Tempesta's *View of Rome*: Portraying the Baroque Splendor of the Eternal City," <http://www.metmuseum.org/about-the-museum/now-at-the-met/features/2012/view-of-rome>

Pier Vittoria Aureli, "Instauratio Urbis: Piranesi's *Campo Marzio* vs. Nolli's *Nuova Pianta di Roma*" in *The Possibility of an Absolute Architecture*, Cambridge, MA, MIT Press, 2011, ch. 3 pp. 85-140.

Examples:

Leonardo Bufalini, *Pianta di Roma*, 1551 (facsimile Avery AA1115 B863 -- oversize reserve shelf 408)

Antonio Tempesta, *Plan of the City of Rome*, 1593, Metropolitan Museum of Art, 1983.1027 (1-12). Facsimile, 2 vol., Avery AA 1120 T24 FF, Oversized reserve shelf 408

1992. Spagnesi et. al., *La Pianta di Roma al Tempo di Sisto V*, Multigrafica Editrice, Rome, 1992. Avery AA 9203 R663 P57F , reserve shelf 408

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Giovanni Battista Piranesi, *Campus Martius antique urbis*, 1762 (Avery Classics AE659 P662 v. 10F). Avery- facsimiles oversize reserve shelf 408

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Giambattista Nolli, *Pianta grande di Roma*, 1748 (Electa Napoli, c. 1998, facsimile, Avery AA1120 N72). -- oversized reserve shelf 408

- University of Oregon, Nolli Website, <http://nolli.uoregon.edu/preface.html>

8: March 7: Paris

Reading:

Antoine Picon, Nineteenth-Century Urban Cartography and the Scientific Ideal: The Case of Paris, *Osiris*, 2nd Series, Vol. 18, Science and the City. (2003), pp. 135-149

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examples:

Georg Braun and Franz Hogenberg, Paris, in *Civitates orbis terrarum*, 1572, map I-7

[*Civitates orbis terrarum = Cities of the world : 363 engravings revolutionize the view of the world : complete edition of the colour plates of 1572-1617 / Georg Braun and Franz Hogenberg ; edited by Stephan Füssel ; based on the copy in the Historisches*](#) Köln : Taschen, c2008. (facsimile: Avery AA9000 B7311 F)

<http://www.oldmapsofparis.com>

Jacques Gomboust, *Le Paris du XVIIe siècle. Plan monumentale de la ville de Paris dédié et présenté au roy Louis XIV* (1653), (facsimile: Avery AA9198 P2 G58 F) -- reserve shelf

<http://www.geographicus.com/P/AntiqueMap/Paris-gomboust-1900>

Turgot, Louis Bretez, [Plan de Paris, commencé l'année 1734](#). Paris? 1739 (Avery Classics AA1045 and Avery in facsimile AA1045 B7511 FF-- Reserve Shelf)

http://cartocassini.free.fr/planville/paris/turgot/turgot_11.htm

1871. Meunier, P. Rouillier, *Paris en mai 1871. Plan indiquant les opérations de l'armée contre l'insurrection*, Paris, 1872

<http://gallica.bnf.fr/ark:/12148/btv1b53085566g.r=plan%20indiquant%20les%20operations%20de%20l%27armée%20contre%20l%27insurrection>

Jacques Bertillon, *Album de Statistique Graphique de la ville de Paris, année 1889*, Paris, ca. 1891

<http://gallica.bnf.fr/ark:/12148/btv1b52505495j.r=Jacques%20bertillon%20atlas%20de%20statistique>

9: March 21: New York map session in the New York Public Library Map Division

Reading:

Paul E. Cohen, *Manhattan in Maps: 1527-1995*, 2006 -- Reserve shelf

examples:

after Jacques Cortelyou, *Afbeeldinge van de Stadt Amsterdam in Nieuw Neederlandt "Castello Plan"*, manuscript 1665-1670.

- <http://upload.wikimedia.org/wikipedia/commons/e/e7/CastelloPlanOriginal.jpg>

Bernard Ratzel, *To His Excellency St. Henry Moore. Bart...This Plan of the City of New York*, Faden and Jefferys, London, 1776, (1766-1767)

- Avery Classics AA735 N4 R195
- http://upload.wikimedia.org/wikipedia/commons/5/58/Plan_of_the_city_of_New_York_by_Ratzel%2C_1776.jpg

Benjamin Taylor and John Roberts, *A New & Accurate Plan of the City of New York in the State of New York in North America*, 1797 <http://digitalcollections.nypl.org/items/510d47da-efa7-a3d9-e040-e00a18064a99>

John Randel, Jr., *A Map of the city of New York by the commissioners appointed by an act of the Legislature passed April 3rd 1807*, 1811 "The Commissioners' Plan", mss. NYPL

and published by William Bridges

- <http://www.nypl.org/blog/2010/07/30/designing-city-new-york-commissioners-plan-1811>

G.W. Bromley & Co. *Atlas of the Borough of Manhattan, city of New York*, Philadelphia, G.W. Bromley & Co., 1899, vols. I-IV

avery AA 9127 N4 b78 FF - Avery large format on east-most wall

10: March 28 London

examples:

Civitas Londinum or 'Agas' Map London, ca. 1559

- *The A to Z of Elizabethan London*, London Topographical Society, Publication No. 122, 1979 -- Reserve shelf

William Morgan and John Ogilby, *A large and accurate map of the City of London : Ichnographically describing all the streets, lanes, alleys, courts, yards, churches, halls and houses / actually surveyed and delineated by John Ogilby ; introductory notes by Ralph Hyde*. Lympe Castle: Harry Margary for Guildhall Library London, 1976.

- Published by Harry Margary, Lympe Castle, Kent, Guildhall Library, London, 1976. facsimile: Avery 11965 0g39F. Reserve shelf 270A
- Hyde, R. *The A to Z of Restoration London (the city of London, 1676)*. London: London Topographical Society, 1992. Avery AA965 Aa 232 -- Reserve shelf

John Rocque, *A Plan of the Cities of London and Westminster and Borough of Southwark, with the Contiguous Buildings, from and actual Survey taken by John Rocque, Land-Surveyor and Engraved by John Pine*, 1746

- Hyde, Ralph. *The A to Z of Georgian London*. London: London Topographical Society, 1982. -- Reserve Shelf

- *Locating London's Past*, British Society for Eighteenth Century Studies, 2011 (Trans-historical map comparison including Rocque.
<http://www.locatinglondon.org/static/MolaArchaeology.html>)

Map by John Snow - Published by C.F. Cheffins, Lith, Southhampton Buildings, London, England, 1854 in Snow, John. *On the Mode of Communication of Cholera*, 2nd Ed, John Churchill, New Burlington Street, London, England, 1855.

Charles Booth assisted by Jesse Argyle, *Life and Labour of the People in London*, London and New York, Macmillan and Co., 1902, 8 vols. Reserve shelf and certain vols. online through Clio.

- Charles Booth Online Archive through the London School of Economics and Political Science and the Senate House Library. http://booth.lse.ac.uk/cgi-bin/do.pl?sub=view_booth_and_barth&m.l=4&m.d.l=3&m.p.x=9495&m.p.y=8378&m.p.w=500&m.p.h=309&m.p.l=4&m.t.w=128&m.t.h=80&b.v.x=287&b.v.y=189&b.p.x=16310&b.p.y=11731&b.p.w=500&b.p.h=309&b.p.l=5&b.p.p.l=6

April 4: Walking Tour of Downtown Manhattan OR Student presentations

April 11: Student presentations

April 18: Student presentations

May 3: Deadline final paper. 15 pages not including illustrations.

Bibliography

Atlas of Rome. The Form of the City on a 1:1000 Scale, Photomap and Line Map, Aerofoto Consult/Automap Compagnia Generale Ripresearee, Marsilio, Venice, 1991 -- on reserve shelf 270

Hilary Ballon and David Friedman, "Portraying the City in Early Modern Europe: Measurement, Representation and Planning," in David Woodward ed., *The History of Cartography*. vol 3: *Cartography in the European Renaissance*, part I, Chicago and London, the University of Chicago Press, 2007, pp. 680-704

Leonardo Benevolo, *The history of the City*, Geoffrey Culverwell, trans., Scholar Press, London, 1980. Avery AA 9090 B4321. Reserve shelf 270

Cesare Birignani, *The Police and the City: Paris 160-1750*, Ph.D Hisotyr Urban Planning, GSAPP, 2013.

Georg Braun and Franz Hogenberg, [*Civitates orbis terrarum Paris, 1572. = Cities of the world : 363 engravings revolutionize the view of the world : complete edition of the colour plates of 1572-1617 / Georg Braun and Franz Hogenberg ; edited by Stephan Füssel ; based on the copy in the Historisches*](#) Köln : Taschen, c2008. (facsimile: Avery AA9000 B7311 F) Original NYPL, Map Division room 117 Schwartzman Building KB+ 1576 (book I - part 1), KB+ 1581 (Book I - part 3)

David Buisseret, *The Mapmakers' Quest: Depicting New Worlds in Renaissance Europe*, Oxford University Press, 2003. Butler GA781.B85 2003

Mario Carpo, *The Alphabet and the Algorithm*, MIT Press, 2011. On Alberti. Available online through Clio

Joseph Connors, *Piranesi and the Campus Martius: the Missing Corso: topography and architettura in the eighteenth-century*. Rome, Milan, Jaca book, 2011. Avery LC GA 895 R7 C66 2011. Reserve Shelf 270

François de Dainville, *Le Langage des Géographes. Termes. Signes. Couleurs des Cartes Anciennes 1500-1800*, Paris, Picard, 1964.

Cesare De Seta, *Ritratti di città. Dal Rinascimento al secolo XVIII*, Giulio Einaudi, ed., Turin, 2011.

Catherine Delano-Smith and Roger J.P. Kain, *English Maps: A History*, University of Toronto Press, 1999, Avery AA9185 D37

Ruth Eaton, *Ideal Cities. Utopianism and the (Un) Built Environment*, Thames and Hudson, 2001.

James Elliot, *The City in Maps: urban mapping to 1900*, The British Library, 1987.

Luca Fiorentino, *Il Ghetto Racconta Roma/The Ghetto Reveals Rome*, Gangemi, Rome 2005. (In English and Italian) Avery AA1115 F 5131

Mark Girouard, *Cities & People, A Social and Architectural History*, Yale University Press, 1985.

Dorothy Metzger Habel, "When All of Rome Was Under Construction": The Building Process in Baroque Rome, Penn State University Press, 2013

Katharine A. Harmon, *You are Here: Personal geographies and other maps of the imagination*, New York, Rizzoli, 1994 Avery AA520 R4721

Erkki Huhtamo, *Illusions in Motion, Media Archaeology of the Moving Panorama and Related Spectacles*, MIT Press, Cambridge, Mass. and London, 2013. Reserve shelf

350

Ralph Hyde, *Gilded Scenes and Shining Prospects. Panoramic Views of British Towns 1575-1900*. Yale Center For British Art, New Haven, Ct. 1985.

William M. Ivins, *How prints look : photographs with commentary* / William M.

Rev. and expanded ed. / revised by Marjorie B. Cohn, Boston : Beacon Press,

c1987. Avery NE850 Iv531

Piero Maria Lugli, *Urbanistica di Roma. Trenta planimetrie per trenta secoli di storia*, Bardi, Roma, 1998 Avery AA 9203 R663 L96. Reserve shelf 270

Sebastien Mercier, *Panorama of Paris: Selections from Tableau de Paris*, University Park, Pa., Pennsylvania State University Press, 1999.

Mirabilia Urbis Romae/The Marvels of Rome, anon., Francis Morgan Nichols, ed., Ithaca Press, 1986 (1st ed., Ellis and Elvey, London ad Spithover, Rome, 1889) -- Avery AA 1115 M671 reserve shelf

Orbis terrarum: ways of world-making: [Museum Plantin-Moretus and surroundings, 22.06-24.09.2000: a project organized by Antwerpen Open and Museum Plantin-Moretus], Ghent: Ludion; Antwerpen: Antwerpen Open, Museum Plantin-Moretus, 2000. Cf. "Orbis" pp. 264-279

Martha Pollak, *Military architecture, cartography & the representation of the early modern European city: a checklist of treatises in fortification in the Newberry Library*, Chicago, The Library, 1991. Avery AA 490 "Art and War: Renaissance and Baroque Treatises on Military Architecture,". pp. xi-xxxvi --PDF in Courseworks

The Renaissance from Brunelleschi to Michelangelo: the Representation of Architecture, New York, Rizzoli, 1994. Avery AA520 R4721

Eric Sanderson, *Manhatta: A Natural History of New York City*, Abrams, New York, 2013

Victoria Sanger, "J'ai du bon tabac et tu n'en auras pas: Plans en Reliefs, Power, and Elitism in Ancien Régime France," Jean-Marc Besse, ed., *Opérations cartographiques*, Actes Sud, publication forthcoming.

-unpublished draft in English in Files and Resources "Sanger-Tabatiere v2" and "Illustrations Tabatiere2"

Barbara Tellini Santoni, Alberto Manodori, dir., *Roma disegno e immagine della città eterna: le piante di Roma dal II secolo d. Cr. ai giorni nostri*, Rome, Edizione di Luca, 1994, AA1115 R6616 FF

-excellent collection of map reprints of Rome

I.N. Phelps Stokes, *The Iconography of Manhattan Island 1498-1909*, New York, Robert H. Dodd, 1915

Nicholas Temple, *Renovatio Urbis: Architecture, urbanism and ceremony in the Rome of Julius II*, Routledge, London and New York, 2011. Avery NA 9204.R7 T46 2011. Reserve shelf 270

David Woodward, *Maps as Prints in the Italian Renaissance. Makers, Distributors & Consumers*, The British Library, 1995. Butler GA221.W66 1996g

David Woodward, "Cartography and the Renaissance: Continuity and Change," in J.B. Harley and David Woodward, eds., *The History of Cartography*, University of Chicago Press, 2007, vol. III, pt.1, pp. 3-24 -- Courseworks "Files and Resources"

Online resources

JSTOR

"Maps. Resources" in *World History Sources*, A project of the Center for History and New Media, George Mason University, with support from the National Endowment for the Humanities and the Gladys Krieble Delmas Foundation © 2003-2005 center for history & new media

<http://chnm.gmu.edu/worldhistorysources/unpacking/mapsonline.php>

online version of the exhibition "In thy map securely saile": *Maps, Atlases, Charts and Globes from the Lawrence H. Slaughter Collection at the NYPL*, 1998

<http://web-static.nypl.org/exhibitions/mapexhib/index.html>

Michael Gonchar, "Lesson Plan/ Analyzing Maps to Better Understand Global Current Events and History," The Learning Network, in *New York Times*, January 13, 2016

http://mobile.nytimes.com/blogs/learning/2016/01/13/lesson-plan-analyzing-maps-to-better-understand-global-current-events-and-history/?em_pos=small&emc=edit_in_20160114&nl=learning-network&nl_art=1&nlid=9261753&ref=headline&te=1&referer=

J.B. Harley and David Woodward, eds., "Cartography in the European Renaissance," *The History of Cartography*, University of Chicago Press, 2007, vol. I-III on line on Clio. (Through the Renaissance). Vol. VI (20th C) other volumes forthcoming by 2021

Atlases of New York City, Lionel Pincus and Princess Firyal Map Division, New York Public Library, digital collections,

<http://digitalcollections.nypl.org/collections/atlases-of-new-york-city#/?tab=about>

Series of original and reconstructed historical maps of Paris

<http://paris-atlas-historique.fr/index.html>

Geraldine Edith Mitton, Maps of Old London, London, G. and C. Black, 1908 (E-book)

<http://www.gutenberg.org/files/40274/40274-h/40274-h.htm>

Imago Mundi, Berlin, 1935-present

-periodical specializing in cartography. Available online through JSTOR and Taylor and Francis

European Science Foundation, *Mapping Europe's Historic Boundaries and Borders:An Exploratory Workshop*

<http://www.geog.port.ac.uk/hist-bound/>

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http://canadp-archivesenligne.paris.fr/documents_figures/_plans_parcellaires/docfig_pp_1_recherche.php

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Tim's Vermeer, 2013 documentary by Teller about Vermeer's scientific approach to painting

A Day on the Grand Canal with the Emperor of China -- David Hockney film about Chinese landscape and cartography. <http://vimeo.com/103808381>

Ecouter le Paris du XVIIIe siècle, Paris, CNRS, 2016

<https://lejournal.cnrs.fr/articles/ecoutez-le-paris-du-xviiiie-siecle>

Sound Atlas of Paris in the 18th C based on historical documents and maps

Assignments Summary: