

Rivers & Cities: Reclaiming the Connection

Spring 2020

LA254-002 Topics in Env Planning

Instructor: GM Kondolf

Mondays 12n-2p. Rm 315C Wurster

Detailed Syllabus – PRELIMINARY DRAFT ONLY

Jan 27 Rivers and cities, course overview

City-river connections in antiquity

Keenan-Jones, D. C. 2013 Large-Scale Water Management Projects in Roman Central-Southern Italy. In *The Ancient Mediterranean Environment between Science and History*, edited by William V. Harris, 233–56. Columbia Studies in the Classical Tradition 39. Columbia University Press, New York. https://doi.org/10.1163/9789004254053_011

Lichtenberger, A and R Raja. 2016. Living with and on the river side: the example of the Roman settlement of Antiochia-on-the-river Chrysorrhoeas formerly called Gerasa. *Water of Life. Festschrift for Peder Mortensen*. Proceedings of the Danish Institute in Damascus 11, eds Kuhlmann Madsen J, Overgaard Andersen N, Thuesen I (Orbis, Copenhagen), pp 98–117.13.

Feb 03 Urbanization impacts & channel adjustments, Values of nature in urban streams

Walsh et al 2009. The urban stream syndrome: current knowledge and search for a cure. *J N Am Bentholical Association*. 24:706-723.

Gurnell, A, M Lee, C Souch. 2009. Urban Rivers: Hydrology, Geomorphology, Ecology and Opportunities for Change. *Geography Compass* 1/5 (2007): 1118–1137, 10.1111/j.1749-8198.2007.00058.x

Feb 10 Social connectivity, Social Connectivity of East Bay Creeks (Rich Walking)

Kondolf, GM, P Pinto. 2017. The social connectivity of urban rivers. *Geomorphology* 277:182-196. <http://dx.doi.org/10.1016/j.geomorph.2016.09.028>

Feb 17 Holiday

Feb 24 Urban greening and urban gentrification

Angelo, H. 2019. The greening imaginary: urbanized nature in Germany's Ruhr region. *Theory and Society* 48:645-669.

Dooling, S. 2009. Ecological gentrification: a research agenda exploring justice in the city. *International Journal of Urban and Regional Research* 33.3: 621-639.

Curran, W, and T Hamilton. 2012. Just green enough: contesting environmental gentrification in Greenpoint, Brooklyn. *Local Environment* 17(9): 1027-1042.

Mar 02 Balancing ecological restoration and social enhancement

Watch film: 'Draw me a river' on the restoration of the Aire River, Geneva, directed by Michel Faure (at <https://vimeo.com/308663079> password 20181229).

Optional:

Mar 07-08 [The Shape of the Land](#) conference (with presentation by Georges Descombes)
Student registration \$25

Mar 09 The Aire River corridor: discussion with Descombes & Elissa Rosenberg

Descombes, G. 2018. Designing a Rivergarden (pp.9-13)
Rosenberg, E. 2018 The canal and the river (pp.53-61)
Kondolf, GM. 2018. The Aire's free space: a geomorphic perspective (pp.169-179)
all in Descombes, G. 2018. *Aire: the river and its double*. Park Books. (on reserve ED Library)

Mar 16 Public health implications of urban greening & stream restoration

Reading TBD

Mar 23 *Spring break*

Mar 30 Environmental justice in urban river projects, homelessness along streams

Reading TBD

Apr 06 Creek Groups, Environmental Justice, and Urban tilth

Apr 13 Urban waterfront promenades (Elizabeth Macdonald)

Macdonald, E. 2018. Chapters 4 and 14 in *Urban Waterfront Promenades*. Routledge, New York. (on reserve in ED Library)

Apr 20 Urban riverfront renewal projects, Managing floods in cities

Pinto, PJ and GM Kondolf. 2020. The fit of urban waterfront interventions: matters of size, money and function.

Pinto et al. 2018. Managing Floods in Mediterranean-Climate Urban Catchments: Experiences in the San Francisco Bay Area (California, USA) and the Tagus Estuary (Portugal), in Serra-Llobet A, Kondolf GM, Schaefer K, Nicholson S. (eds) 2018. *Managing flood risk: innovative approaches from big floodplain rivers and urban streams*. Palgrave Macmillan, London, 162 pp.

DeGroot et al. 2018. Managing Floods in Urban Catchments: Experiences in Denver Area (Colorado, USA) and Geneva (Switzerland), in Serra-Llobet A, Kondolf GM, Schaefer K, Nicholson S. (eds) 2018. *Managing flood risk: innovative approaches from big floodplain rivers and urban streams*. Palgrave Macmillan, London, 162 pp.

Apr 25 Saturday Field trip to Martinez and Walnut Creeks, Contra Costa County (+Lower American River?)

Apr 27 TBD

May R&R week (TBD) Present term projects, Social Science Matrix, 8th floor Barrows Hall