

Department of Environmental Health Sciences

GRADUATE SEMINAR IN APPLIED COASTAL ECOLOGY EHS 206

Ecosystem services associated with Low Impact Development (LID) techniques used for capturing and treating urban runoff

Spring 2015

Instructor: Richard Ambrose

Time: Mondays 10-12
(scheduled time, but planning on changing it to
accommodate student schedules)

Room: 61-235 CHS

This 2-unit seminar provides a forum, with active student participation, critical evaluation of the peer-reviewed literature, and presentations, for discussion of important topics in applied coastal ecology. This quarter's discussion will focus on ecosystem services associated with LID techniques, specifically biofilters such as bioswales and rain gardens, for capturing and treating urban runoff. LID is a critical element of urban sustainability, but little attention has been paid to the ecological value of LID techniques. We will examine research on ecosystem services in urban settings to see how these might apply to stormwater biofilters in terms of the services biofilters might provide, methods for quantifying biofilter ecosystem services, and relationships to ecosystem services in the urban landscape; identify data gaps; and consider research needed to fill those gaps.

For more information, contact Professor Rich Ambrose (x56144 or rambrose@ucla.edu)