

Workshop: LID & Urban Design

Spring, Summer, Fall 2010

Primary Instructor: Dwane Jones

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URL: <http://www.bae.ncsu.edu/topic/lid>

Workshop Coordinators: Cathy Smith, cathy_smith@ncsu.edu; (919) 515-6780 and Chrissie Shepard, chrissie_shepard@ncsu.edu; (919) 513-2192

PREREQUISITE: None

COURSE OVERVIEW

Low Impact Development (LID) is typically defined as a stormwater management design framework aimed at minimizing the negative impacts of stormwater runoff. LID includes: mimicking pre-development hydrology, tree conservation, maximizing open space, maintenance, structural practices, and education. LID began as an organized framework in the 1990s.

Urban Design is the discipline between planning and architecture. It gives three-dimensional physical form to policies described in a comprehensive plan. It focuses on design of the public realm, which is created by both public spaces and the buildings that define them. Urban design views these spaces holistically and is concerned with bringing together the different disciplines responsible for the components of cities into a unified vision. Key elements of an urban design plan include the plan itself, the preparation of design guidelines for buildings, the design of the public realm- the open space, streets, sidewalks, and plazas between and around buildings. (*Excerpted from Planning and Urban Design Standards, 2006*).

This course addresses LID in the context of urban design. The overarching goal is to develop urban design and LID guidelines for a project or community from North Carolina and to use this “hands-on” approach to teach principles outlined for the course. The project will be chosen from submissions (you may submit project ideas to Dwane Jones at dwane_jones@ncsu.edu) or chosen by the instructor.

Upon completion of this course, students will be able to apply basic principles of urban design and integrate LID principles and practices to form a comprehensive, holistic public realm for a “real-world” project.

This course is organized into the following:

1. What is Urban Design?
2. What is LID (brief overview)?

3. Urban Design Plan for Project (group/class project)

CLASS FORMAT

The URBAN DESIGN & LID course is one day in length and consists of brief topical lectures with a group/class project that should be completed by the end of the day. Students are strongly encouraged to participate in all aspects of the course to the fullest extent practicable. Class participation will contribute to your final grade for the course.

TEXTBOOK, READINGS, and SUPPLIES

Chapter 3 of the *LOW IMPACT DEVELOPMENT: A GUIDEBOOK FOR NORTH CAROLINA* will be used for this workshop. The book may be downloaded from: http://www.ces.ncsu.edu/depts/agecon/WECO/lid/documents/NC_LID_Guidebook.pdf. A notebook with the PowerPoint slides for the course will be provided on the day of the scheduled workshop.

Please bring (1) a writing instrument and (2) a ruler, architectural, or engineering scale, and (3) colored pens, markers or pencils. If you seek professional development credits, please bring a copy of your registration number, license, or identification.

EXAM

There is no exam for the URBAN DESIGN & LID workshop. Grades will be extracted from participation and an analysis of the final project.

OTHER

- Some workshops may have a field trip component. You will be notified beforehand if this is the case. Appropriate attire (walking shoes, etc) is encouraged.
- Future workshops, general information, and resources may be found at: bae.ncsu.edu/topic/lid.
- Please email Cathy at cathy_smith@ncsu.edu if you have any logistical or technical issues or call her at 919-515-6780. For questions regarding content, please email Dwane Jones at dwane_jones@ncsu.edu.

REFERENCE

Dewey, Melvil, Bowker, Richard, Pylodet, L., Cutter, Charles, Weston, Bertine, Brown, Karl, Wessells, Helen, Association, American, & Association, American. (2006). *Planning and urban design standards*. Hoboken: Wiley & Sons.