

Studio Syllabus

The focus of this curriculum module is to act in conjunction with the other Studio modules, Small and Large, to provide suggested studio content, including presentations and projects, that reinforces the role of Interlocking Concrete Pavements (ICPs) in design generation, development and construction documentation.

GOALS

In particular, students will develop the following knowledge, skills and values:

Knowledge

- Understand the issues and opportunities of design with traditional (non-permeable) and permeable ICP systems to satisfy a variety of urban design issues.
- Understand current design applications of ICPs, including the multitude of associated users and uses interconnected throughout these development processes.
- Understand the multiple uses of ICPs in medium-scaled urban environments, including use in pedestrian applications such as plazas and sidewalks, traffic applications such as parking and roadways, and hybrid applications.

Skills

- Ability to use ICPs as a design generation tool in medium-scale urban environments.
- Refine fundamental design skills related to the fabric, pattern and patina of landscape projects, with a specific focus on paved applications.
- Ability to use ICPs as a critical component of a urban design systems.

Values

- Deepen student understanding of the importance of structurally sound, beautiful, low-impact built environments.
- Recognize the impact material design decisions—most specifically related to hardscape elements—have on the design and construction of healthy, safe, enjoyable and lasting landscape projects.

OBJECTIVES

The focus of this studio module is to increase student understanding and proficiency related to the design, detailing and documentation of ICPs in medium-scale urban design applications. Materials, techniques and precedent studies focused on aesthetics and form, diversity of uses and users and levels of loading typically found within urban contexts. Associated contexts, programs and technical requirements may vary based on each set of specified project goals.

METHODOLOGY

Educators are encouraged to utilize this studio module as a supplemental resource for class use. It is expected that students can utilize the module both independently and also as part of class group exercises. Additionally, wiki-upload templates are provided as a means for students and educators to share their research and efforts.