

Past-Use Syllabus

The focus of this curriculum module is to act in conjunction with the other ‘Overview’ modules, Present and Future, to provide strong foundational information on Interlocking Concrete Pavement’s origins and historic materials and uses.

GOALS

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

Knowledge

- Understand historical cultural and climatic contexts which prompted the development of ICPs and related technologies.
- Understand the methods and manners in which ICPs have historically been applied.
- Understand the evolution of ICPs, the pressures and technologies driving this evolution, and the users and uses interconnected in this process.

Skills

- Ability to draw from ICP history.
- Increase resource pool for design processes.

Values

- Understand cultural diversity of ICP applications.
- Recognize pragmatic and equitable opportunities afforded by ICPs.

OBJECTIVES

The focus of this course is to increase understanding of the past pressures, developments and uses of interlocking concrete pavements. Materials, techniques and milestones in design and construction at various scales will be covered.

METHODOLOGY

Educators are encouraged to utilize this 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.

SUGGESTED ROUTES

This module provides enough materials for 1-2 weeks of instruction. The instructor is encouraged to use this module as a supplemental addendum to an existing curriculum or to combine this module with other modules to create curricular sets.

Instructors are encouraged to integrate this module's presentations, research projects, quizzes and exercises into class materials. The presentations and quizzes are self-guided, while the research projects and exercises are instructor-led. Completed research projects and exercises can be uploaded to the site's ever-evolving wiki database.