

ARCH 413 – The Built Environment Education Program – Lecture & Activity
3 Units, Elective, Winter Quarter

DESCRIPTION:

The 'Built Environment Education Program' (BEEP) is an environmental awareness program originally developed under the guidance of the California Council of the American Institute of Architects (CCAIA) in 1986.

PREREQUISITES:

Junior standing or permission of the instructor.

INSTRUCTOR:

Lecture & Activity: Stewart

GOALS:

The goal of BEEP is to give elementary aged students a basic understanding and awareness of the built environment. The program was designed to combine a concern for people and nature with the realization that people's actions have a lasting impact on the environment. The program encourages students to gain this understanding and skills through a cross-curricular approach where built environment education concepts are used as a focus to enhance skills in reading, writing, science, math, social studies and art.

TEXT:

Built Environment Education Handbook

CONTENTS:

The program can be outlined in 5 phases:

- Phase 1 – Skills
Measurement, scale, drawing, mapping, planning, structures & earthquake awareness.
- Phase 2 – Analysis & Design
Observation, data collection, site analysis, needs assessment, brainstorming, bubble diagramming, design & drawings.
- Phase 3 – Production
Model building & graphics.
- Phase 4 – Presentation
- Phase 5 – Individual outside projects

ORGANIZATION & EVALUATION:

Team members:

- Cal Poly Students
- Elementary School Teacher
- Cal Poly Professor
- Professionals: Architect or some other design professional

Entire team meets a minimum of once a week for planning and discussion sessions.

Each Cal Poly student participates in a classroom once or twice a week.

Each Cal Poly student develops and presents an outside project.

Evaluation is intended to reflect the faculty's judgment of the student's skills, participation and development.