

Industrial design

convert Sustainable product design into practice :
NEW PRODUCT DESIGN

Overview

industrial design is a process of design applied to products that are to be manufactured through techniques of mass production. The role of an industrial designer is to create and execute design solutions for problems of form, function, usability, physical ergonomics, marketing, brand development sustainability and sales.

industrial designer graduated from Walailak University are specialized about materials and local wisdom in southern Thailand. The design of the industrial products comes from the local core materials and local wisdom that is unique to southern Thailand. Teaching Sustainable product design methods used to community to solve problems. or observation to find the need in the area.

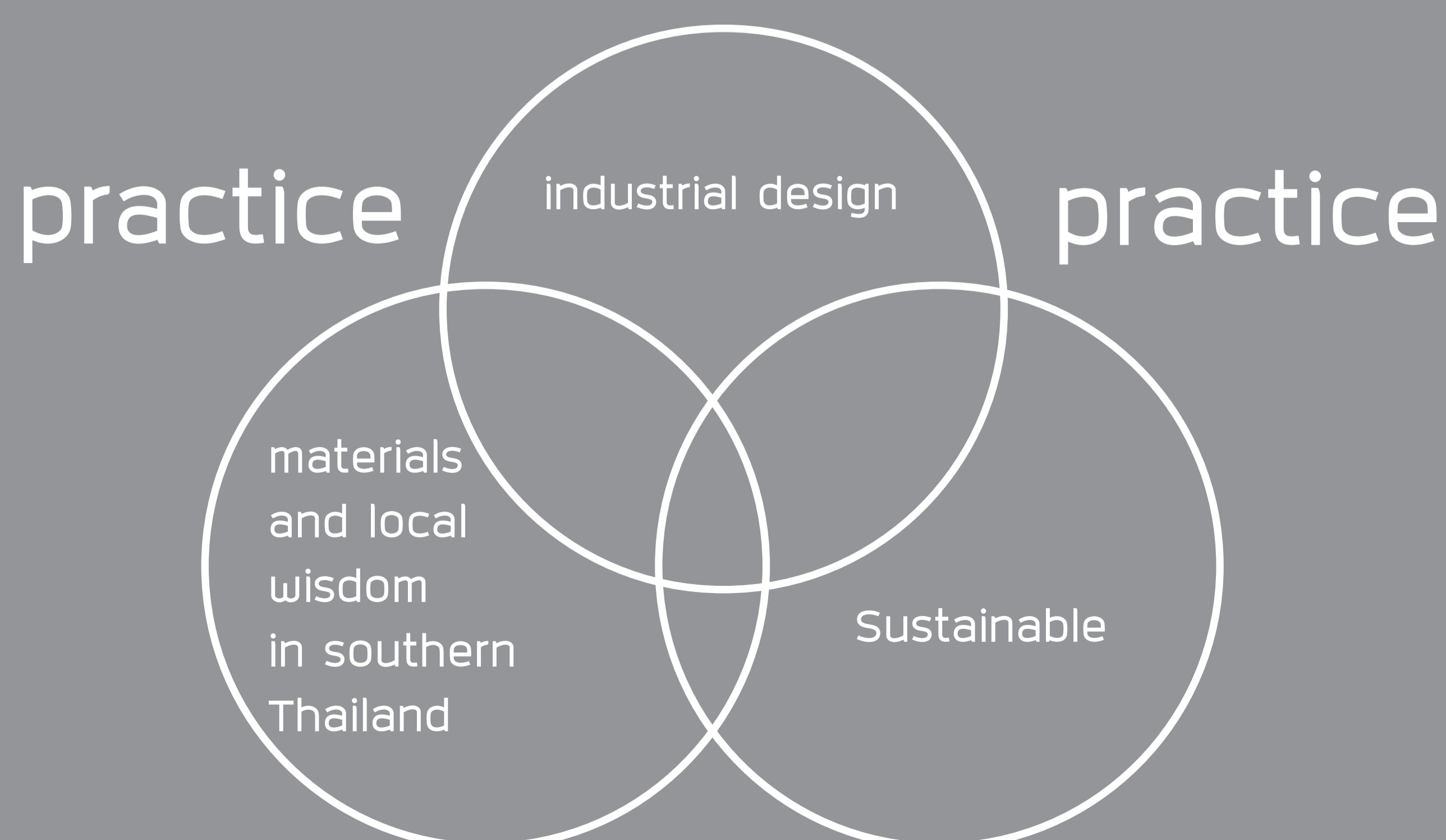
The first-year students Combined with basic subjects in the 1-2-3 semester. Will take basic subjects. First year teaching emphasizes on thinking and creativity. concepts, that teachers convert theory into practice. The instructors create an activity the students to learn, easy to perform to create new : Sustainable product design

Sustainable product design

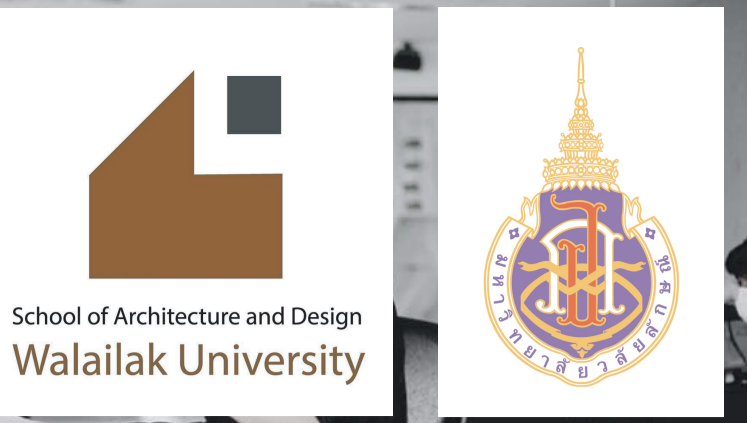
Simply put, sustainable development for Hong Kong means:

finding ways to increase prosperity and improve the quality of life while reducing overall pollution and waste; meeting our own needs and aspirations without doing damage to the prospects of future generations; and reducing the environmental burden we put on our neighbours and helping to preserve common resources.

Conservation of resources and wisdom Conservation of learning, design for sustainability, students can create products that meet the needs. The use of local resources to create value and use resources to benefit.



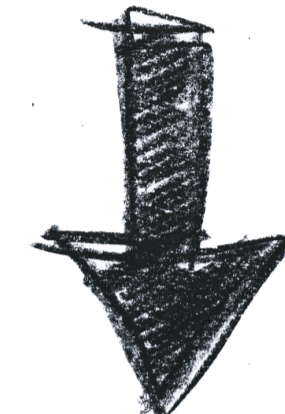
PROJECT BASE LEARNING



Activity

Assessment/evaluation

To measure the knowledge base / basic skill/ test before/ comparative after



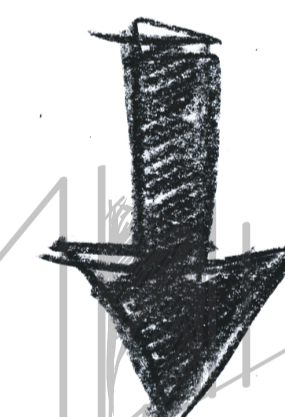
community to solve problems.
observation to find the need in the area.
materials , local wisdom in southern Thailand in product design



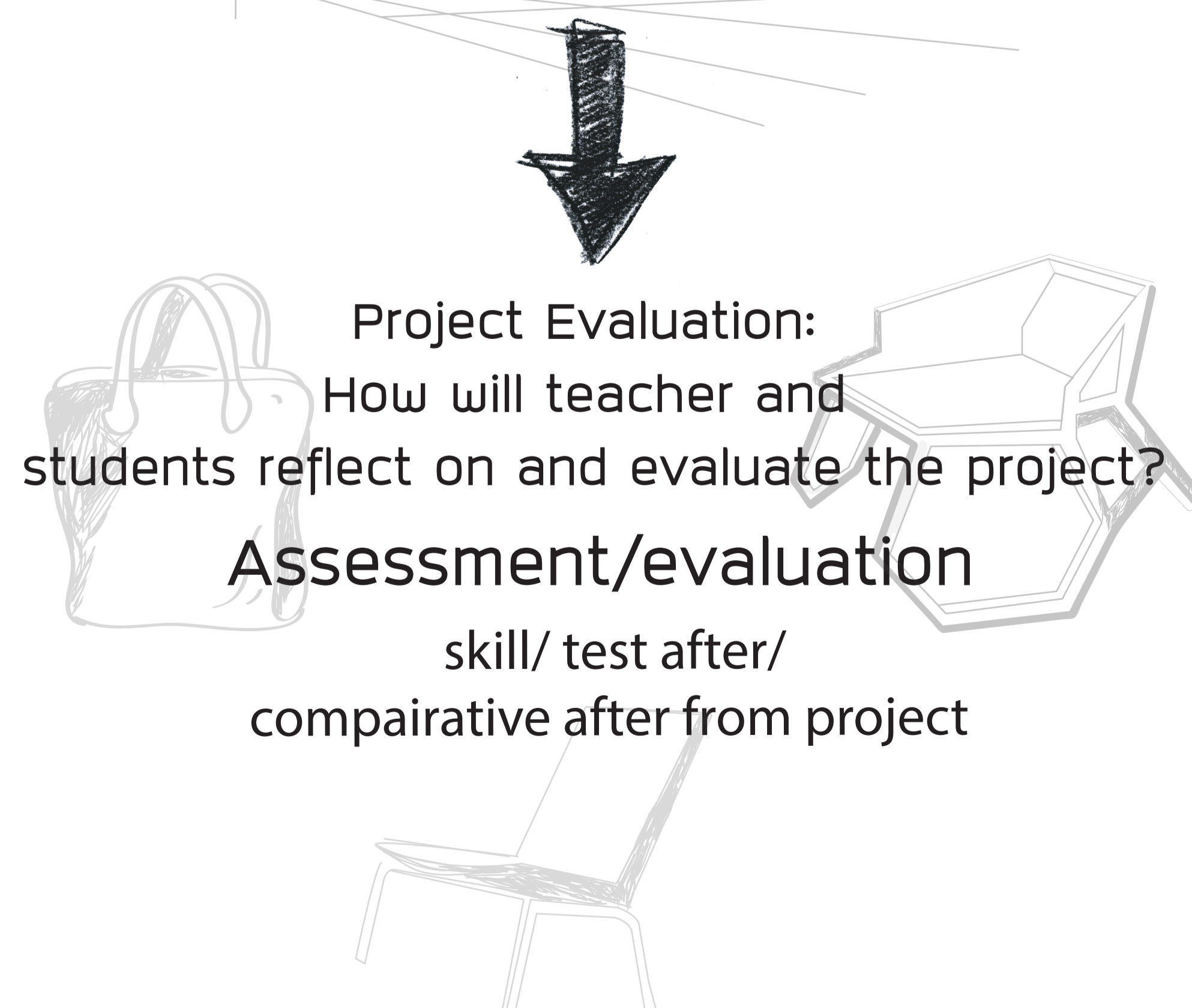
practice sustainable / design process

Collaboration	Written Communication	Content Knowledge
Oral Communication	Quizzes/ tests	Other
Self-evaluation	Survey	Notes
Peer evaluation	Discussion	Focus Group
	Online tests and exams	Other
Journal Writing/ Learning Log	Task Management Chart	Concept maps
		Checklists/observations
		Critical Thinking & Problem Solving
		Practice presentations

Assessment and Reflection:



Resources: new product develop
area-based Individuals:
Technology:
Community:
Materials:/Sustainable



Objective

This subject will enable students to

1. Practice process step by step for new product development and strategic features of new product development
- 2.create /develop new product from materials , local wisdom in southern Thailand in product design stage
- 3.understand theory in product design
- 4.evaluate and present new design.

Outcome

students will be able to skill

- 1.appreciate the generation and basic convert theory into practice of product design concepts that satisfy the needs in the area.
- 2.explore and analyze basic concept needs and appreciate their direct relationship with new products
- 3.identify new product opportunities;
- 4.introduce , the local core materials and local wisdom that is unique to southern Thailand environmental, social, and cultural considerations with regard to design decisions.

Impact

Specific assessment methods/tasks % weighting

Intended subject

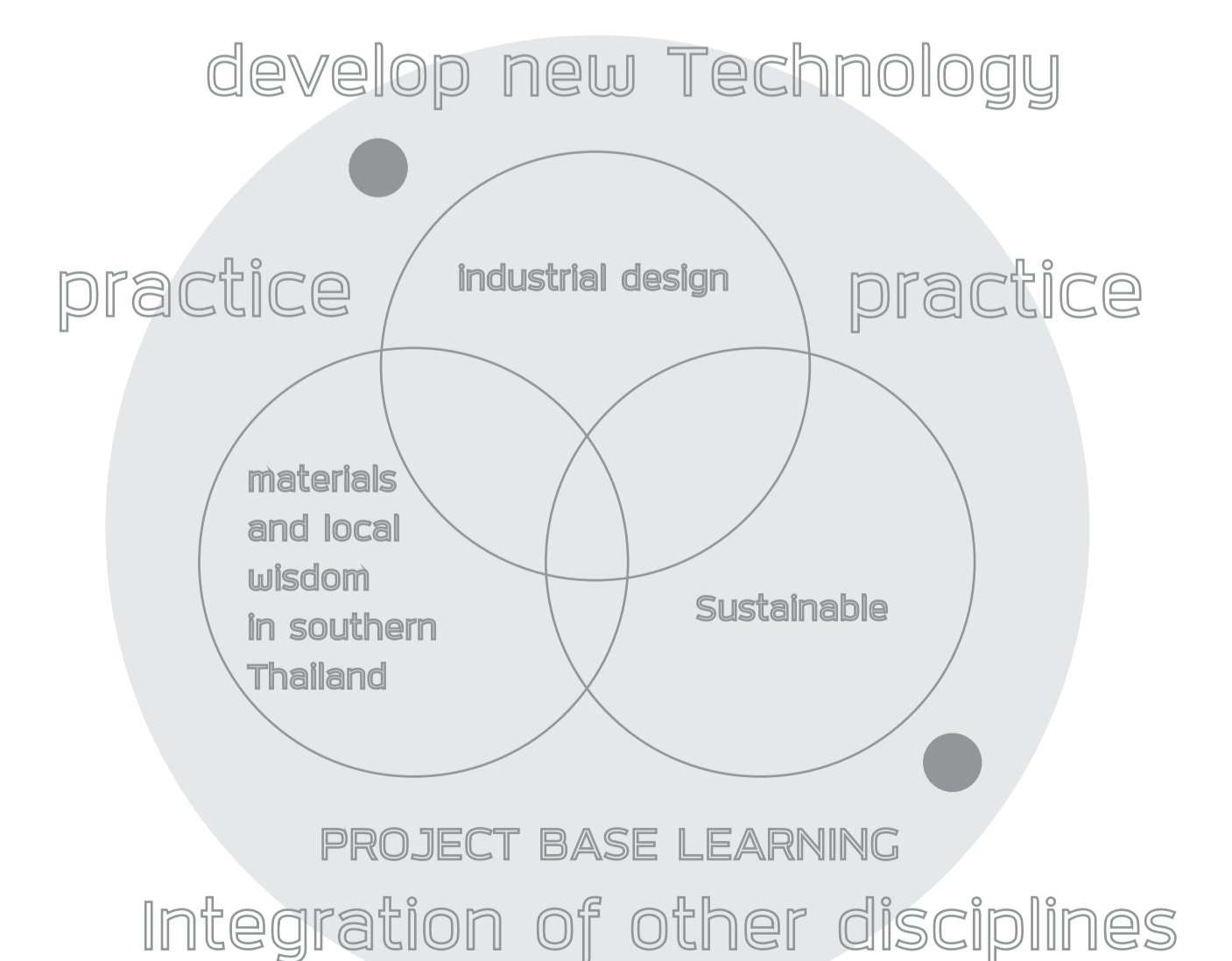
learning outcomes to be assessed

1. Case studies design process	45%
2. Major Group Products	30%
3. Major Individual Projects	25%
Total	100%

Case study aims to assess all. Topics are defined in the classroom into space. Find problems in the community. Back home, working in the studio and the lab. Some cases go down, students submit projects as normal.Performed at the end of the semester.

Future

development of project



reference

http://www.bie.org/object/document/project_design_overview_and_student_learning_guide

http://www.sd-commission.org.uk/pages/the_principles.html