



Reinforcing Non-University Sector at the Tertiary Level in Engineering and Technology to Support Thailand Sustainable Smart Industry





Learning Experience-Focused Course Design and Development

Objectives

This module aims at developing the following competences:

- 1. Design courses that enrich students' learning experience to support the development of student competence
- 2. Have empathy to ease student learning towards competence development

Learning Outcomes

Upon the completion of this module, the trainees will be able to:

- 1. Relate course design and development to student competence development
- 2. Distinguish between teacher-centered learning and student-centered learning
- 3. Relate constructive alignment to student competence development
- 4. Demonstrate an understanding of experiential learning cycle in course design and development
- 5. Demonstrate an understanding of embedding student learning experience in course design and development
- 6. Align the components in the teaching system for course development to promote constructive learning of a course
- 7. Embed learning experience in course development to enhance constructive learning of a course
- 8. Give constructive critique on courses developed by peers

Prerequisite: None

Outline:

- Competence Development
 - o Competence
 - Autonomy
- Student-Centered Learning (SCL)
 - o SCL Concept
 - Student-Centered Learning Space (SCLS)
- Constructive Alignment
 - Constructive Alignment Concept
 - Learning Outcomes
 - o Assessment
- Experiential Learning for Knowledge Construction
 - How Brain Functions for Knowledge Construction
 - Kolb's Learning Cycle
- Embedding Learning Experience in Course Design and Development



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- Student Engagement
- LOVE Learning Experience Model
- Learning Experience-Focused Course Design and Development Process (LEF-CDD)

Learning Activities:

- Short lectures
- Class discussion
- Group discussion
- Group work
- Games
- Oral presentation

Time Distribution and Study Load:

- Training: 15hours
- Coaching: 30 hours
- Individual project: 60 hours

Assessments:

- Class discussion and participation
- Presentations
- Individual project

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