



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



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



- 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

**Developer(s)**: Dr. Pisut Koomsap and Dr. Duangthida Hussadintorn Na Ayutthaya (AIT, Thailand)