

SMR Training program

General information

Number of Training Days: 7 Days

Duration: October 2026

1st – 2nd at OAP, TINT Bangkok

8th – 9th at KX Building, Bangkok

19th – 21th at KX Building, Bangkok

Location: KX Building, TINT Building, OAP Building

Scope & Form: The class is taught full days from 9:00-17:00. The teaching will be a combination of lectures, Q&A sessions and project work.

Evaluation: Pre- and Post-tests, Assignment, Software simulations, and Physical experiments

Curriculum

Day 1: 1st October 2026	
Module 1: Nuclear Simulation and Practical Analysis Workshop	
	Speakers: Expert 1 –TINT, CU. KMUTT Expert 2 –TINT, CU. KMUTT Location: OAP, TINT Bangkok
9:00 - 9:10	– Pre-test (10 min)
9:10 - 10:30	Session 1: Nuclear fundamentals – Fundamentals of reactor neutronics and chain reactions (80 min) Dr. Sunchai (CU)
10:30 - 10:45	– Coffee break
10:45 - 12:00	– Fundamentals of reactor thermal hydraulics and heat removal (75 min) Dr. Somboon (CU)
12:00 - 13:00	– Lunch
13:00 - 14:30	Session 2: Nuclear Simulation – Fundamentals of Reactor behavior under normal, transient, and selected accident conditions (70 min) TINT – Brief Lab (20 min) TINT
14:30 – 14:45	Coffee break
14:45 - 16:45	– Visiting research reactor & Reactor experiment criticality and show / input rod worth measurement (120 min) TINT
16:45 - 17:00	– Lab result evaluation (15 min)