

Training Course on
"Energy Efficiency and Conservation for Global Warming Mitigation"

Date 16 - 30 August 2023

| Date | Time | Topics | Lecturers | Lecture | Practices |
|--|-------------|---|--------------------|---------|-----------|
| Day 1 / WED 16 August 2023 | | | | | |
| Module 1: Opening and introduction | 11.00-11.15 | Opening and Orientation | N/A | - | |
| | 11.15-12.45 | Introduction to Energy efficiency improvement and energy conservation | Dr. Chumnong (TBC) | 1.5 | |
| | 12.45-13.00 | Break | | | |
| Module 2: Global warming and climate change | 13.00-15.00 | - Factors responsible for climate change | Dr.Amnat | 2 | 2 |
| | | - Biological and sociological consequences of such changes | | | |
| | | - Possible engineering, economic, and legal solutions | | | |
| Day 2 / THU 17 August 2023 | | | | | |
| Module 3: Energy fundamentals and outlooks | 11.00-12.30 | Basic principle of energy and forms: electricity and heat | Dr. Chumnong (TBC) | 1.5 | |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | Energy Outlooks: world energy outlook, EU energy scenario, ASEAN energy outlook | Dr.Athikom | 2 | |
| Day 3 / FRI 18 August 2023 | | | | | |
| Module 4: Energy conservation laws and standards | 11.00-12.30 | Energy efficiency programs around the world | Dr.Athikom | 1.5 | |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | Energy efficiency & conservation standards | Prof.Surapong | 2 | |
| Day 4 / MON 21 August 2023 | | | | | |
| Special Case study-001 | 11.00-12.30 | Case studies of EGAT Learning Center or MEA or SCG | Dr.Athikom | 1.5 | 1.5 |
| Module 5: Energy efficiency improvement technologies | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | EE technologies for buildings | Prof.Surapong | 2 | |
| Day 5 / TUE 22 August 2023 | | | | | |
| Special Case study-002 | 11.00-12.30 | Case studies of Green buildings (Thai Health center)** | Dr.Pipat | 1.5 | 1.5 |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | Case studies of Net Zero Energy Building | | 2 | 2 |
| Day 6 / WED 23 August 2023 | | | | | |
| Module 5: Energy efficiency improvement technologies (cont.) | 11.00-12.30 | EE technologies for industries | Dr.Pipat | 1.5 | |
| | 12.30-13.00 | Break | | | |

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| | 13.00-15.00 | EE technologies for industries | | 2 | |
| Day 7 / THU 24 August 2023 | | | | | |
| Module 5: Energy efficiency improvement technologies (cont.) | 11.00-12.30 | EE technologies for transportation | Dr.Chumnong (TBC) | 1.5 | |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | EE technologies for transportation | | 2 | |
| Day 8 / FRI 25 August 2023 | | | | | |
| Module 6: Energy management system and audit | 11.00-12.30 | Energy management system | Dr.Pipat | 1.5 | |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | Energy performance analysis | | 2 | |
| Day 9 / MON 28 August 2023 | | | | | |
| Module 6: Energy management system and audit | 11.00-12.30 | Energy management system | Dr.Pipat | 1.5 | |
| | 12.30-13.00 | Break | | | |
| | 13.00-15.00 | Energy audit | | 2 | |
| Day 10 / TUE 29 August 2023 | | | | | |
| Module 6: Energy management system and audit (cont.) | 11.00-12.30 | Financial analysis for energy projects | Dr.Athikom | 1.5 | |
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| Day 11 / Thursday 1 September 2023 | | | | | |
| Module 7: Wrap-up and closing | 11.00-13.00 | Conclusion and lessons learned | N/A | 2 | |
| | 13.00-13.15 | Break | | | |
| | 13.15-15.15 | Evaluation | N/A | 2 | |
| | 15.15-15.30 | Closing Ceremony | | | |
| | | | | 37 | 7 |