



## Training on “Guidelines for Biosafety Practices: Basic Course” (English Program)

25<sup>th</sup> July 2025

Time 9:00 – 16:30

Online Microsoft Teams

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### 1. Course rationale

Since modern biotechnology and genetic engineering have been commonly used for modifying genetic material of living organism (Genetic modified organism, GMO), protection of accidental releasing of GMO and its adverse effect to living organism including human, animal, plant, and microorganism are considered. The institutional biosafety committee of Thammasat University has been appointed and accounted for preparing a guideline, advice, classify the biosafety level, review the research protocol and procedure, and evaluate the facilities to ensure the biosafety guideline is met. To accomplish these objectives, training course “ **Guidelines for Biosafety Practices: Basic Course**” have been organized and conducted in Thai by TU-IBC and National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Ministry of Science and Technology (BIOTEC). Thammasat University has been launched a wide variety of international programs in Biological Sciences for many decades and to support the upcoming AEC, the international course of “ **Guidelines for Biosafety Practices: Basic Course**” has been considered and organized by Thammasat University, Biosafety committee of Thammasat University (TU-IBC), National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Ministry of Science and Technology (BIOTEC) and will be held on 25 July 2025. This international course supports for non -Thai students, staffs, and researchers who are working on modern biotechnology and genetic engineering.

### 2. Course objectives

1. To demonstrate the principle, regulation, and guidelines of biosafety related to modern biotechnology or genetic engineering ,micro organism and toxins.
2. To practice in risk assessment and biosafety level consideration

### **3. Course Format**

Lecture and practice

### **4. Course Organizers**

1. The Biosafety committee, Thammasat University
2. Thammasat University Research Division

### **5. Course participants**

The target participants for this course are lecturer, students and scientists / researchers.

### **6. Course venue, date, and time**

Friday 25<sup>th</sup> July 2025

9:00 – 16:30

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### **7. Project budget and expenses**

Funded by Thammasat University Research Fund

### **8. Expected outcomes (benefits)**

- Effective sharing of knowledge and practices in support of the implementation of the Pathogens and Animal Toxins Act, B.E. 2558 (2015) and Biosafety Guidelines and work-related to Modern biotechnology or Genetic engineering.
- Effective implementation of Risk Assessment and Biosafety Level evaluations for Biosafety approval application Form

## 9. Schedule

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Time	Topic
9:00 – 9:15 (15 minute)	Registration
9:15 – 9:20	Welcome
9:20 – 10:20 (1 hour)	Pathogens and Animal Toxins ACT, B.E. 2558 (2015) <b>Assoc.Prof. Potjanee Srimanote, PH.D.</b> <b>Chair of Thammasat University Institutional Biosafety Committee</b>
10:20 – 11:20	Guideline for Biosafety Practices Modern Biotechnology and Risk Category in Biosafety Guideline <b>Assoc.Prof. Nuntra Suwantararat, MD, D(ABMM), MSc (HSE)</b> <b>IBC-Thammasat University Committee</b>
11:20 – 11:30 (10 minute)	Break
11:30 – 12:30	Laboratory Biosecurity Level <b>Assis. Prof.Dr. Pholawat Tingpej, MD., PhD.</b> <b>IBC-Thammasat University Committee</b>
12:30 – 13:00 (30 minute)	Lunch Break
13:00 – 13:30	Answer question <b>1. Assoc.Prof. Potjanee Srimanote, PH.D.</b> <b>2. Assoc.Prof. Nuntra Suwantararat, MD, D(ABMM), MSc (HSE)</b> <b>3. Assist. Prof.DR. Pholawat Tingpej, MD., PhD.</b>
13:30 – 16:30 (3 hour)	Post-test

#### Notice:

1. Eligible participants: Thammasat University personnel only
2. Participants who complete the training will receive a certificate, which can be used when applying for approval of biosafety research projects.
3. The certificate will be sent to you according to your information in the registration form
4. Limited to 120 participants
5. Application period: Now – 18 July 2025