



Workshop on “Fundamental Biosafety for BSL-2”

(English Version) December 14-15, 2023

Stang Mongkolsuk Building, Faculty of Science, Mahidol University (Phaya Thai)

DAY 1: December 14, 2023 (Thursday)	
Time	Topics/Lecturers
08:15 – 08:45	Registration
08:45 – 09:00	Course Overview and Orientation
09:00 – 09:30	Assessment of Knowledge (pre-test)
09:30 – 10:20	Lecture 1: Regulation of Biological Materials: International, National & Institutional Policy
10:20 – 10:40	Morning break
10:40 – 11:30	Lecture 2: Fundamentals of Biosafety and Biosecurity
11:30 – 12:20	Lecture 3: Risk Assessment and Management
12:20 – 13:20	Lunch
13:20 – 14:10	Lecture 4: Engineering Controls and Safety Equipment
14:10 – 15:00	Lecture 5: Personal Protective Equipment (PPE)
15:00 – 15:20	Afternoon break
15:20 – 16:10	Lecture 6: Emergency Preparedness and Medical Surveillance
16:10 – 17:00	Lecture 7: Minimizing Biohazards in Animal Research

DAY 2: December 15, 2023 (Friday)	
Time	Topics
08:30 – 09:00	Registration
09:00 – 09:50	Lecture 8: Disinfection and Waste Management
09:50 – 10:40	Lecture 9: Standard Operational Procedures
10:40 – 11:00	Morning break
11:00 – 11:30	Lecture 10: Transportation of Biomaterials
11:30 – 12:00	Lecture 11: Recombinant DNA Technology and Biosafety
12:00 – 13:00	Lunch
13:00 – 16:00	Team dividing and attendance check Workshop 1: Biosafety Cabinet and Biological Waste Management (30 min) Workshop 2: Gown, Gloves, Eye Protections and Hand Hygiene (30 min) Workshop 3: Spill Kit and Emergency Spill Cleanup (30 min) Workshop 4: Transportation Inside/Outside Laboratory (30 min)
16:00 – 16:15	Afternoon break
16:15 – 16:45	Assessment of Knowledge (post-test)
16:45 – 17:00	Conclusion for the workshop

*Participants, who attend **at least 80%** (participant signatures and activity base sheets) and have a **post-test score of more than 70%**, will receive a certificate for passing this workshop (3-year revision), which can be used to apply for biosafety and biosecurity project certification under the Thai regulation.