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Biorisk Management Dual-Course

Biorisk Management Level 4
(Course ID: TGS-2023038994)

Biorisk Management Level 5
(Course ID: TGS-2023038997)

Accredited by SkillsFuture Singapore

WHO SHOULD ATTEND

- ✓ Biorisk Management Officers
- ✓ QA/QC Personnel
- ✓ Lab & Plant Personnel
- ✓ Safety Compliance Officers
- ✓ R&D Officers

COURSE FEE

Full Fee (Level 4 & 5)	Nett Fee after Funding (Incl. GST)		
	GST	Baseline	MCES/ SME
\$2,300	\$207	\$1,357	\$897

PAYMENT MODE Bank Transfer or Paynow

VACANCY Limited to 25 pax
Tea-Breaks and Lunch provided

FUNDING AVAILABLE FOR corporate and individuals.
Visit the [SkillsFuture website](https://www.skillsfuture.gov.sg) for further information.

DATE 18 March to 22 March 2024

DURATION 5 Full Days

TIME 8:30am to 6:00pm

TRAINING MODE Classroom

VENUE NTU@One-North
(Near Buona Vista MRT Station)

40 SDU Points To Be Accredited By CPD Board



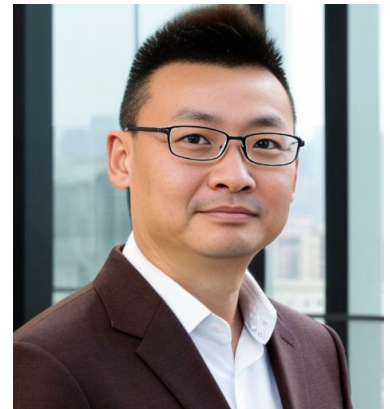
DR. VIJI VIJAYAN

Dr. Viji Vijayan has vast experience in managing laboratories in Singapore and she serves on several Biosafety Committees internationally. She works with international agencies like European Union CBRN Centers of Excellence; World Health Organization through their partner agencies; Global Affairs Canada; Health Security Partners and others to provide Biorisk Management training and consultation in many parts of the world. She also has a Master's degree in Human Factors and Systems Safety from Lund University in Sweden. These educational achievements, together with her vast expertise in the field of biorisk management, has allowed her to develop a unique set of skills that enables her to develop and implement biorisk management systems with a distinctive practical approach



MR. DAN YOONG

Mr. Dan Yoong has over 10 years experience in the design and construction of laboratories throughout Asia. He performs laboratory design services, engineering consultation, plan reviews and safety and health inspections for the government, universities and the private sector. He oversees laboratory planning, programming, construction, commissioning, validation and third-party certification activities for significant Biocontainment, Laboratory, Vivarium, and Healthcare projects in Asia for both primary and secondary containment. Mr. Yoong is also the approved Ministry of Health certifier for BSL-3 laboratories.



MR. DAMIEN CHEW

Mr. Damien Chew, a Singapore Ministry of Health's Approved Facility Certifier for Biosafety (AFC-Biosafety) under World Biohaztec Pte Ltd., has 15 years of experience designing and certifying over 50 controlled environment facilities, including BSL3, ABSL3, GMP-BSL3, vivarium (small animal, NHP), SPF-small animal, and BSL2-enhanced facilities. He has contributed to the development of biorisk manuals, SOPs, and lab procedures, and has provided training to facility personnel in biosafety practices. Additionally, Mr. Chew served as an external biosafety coordinator for an animal facility from 2020 to 2021.



BIORISK MANAGEMENT LEVEL 4

(Course ID: TGS-2023038994)

OVERVIEW

This Biorisk Management workshop provides participants with essential skills for hazard identification, risk assessment, and mitigation in handling biological hazards. Open to staff at all levels in facilities dealing with microorganisms and toxins, the workshop covers international and national regulations, emergency management, and performance monitoring. Participants will learn to establish effective incident reporting systems, fostering a safety culture to prevent accidents, minimize infections, and ensure compliance with safety protocols. The workshop aims to equip attendees to contribute to a secure work environment through comprehensive training on key aspects of Biorisk Management.

LEARNING OBJECTIVES

Develop plans for addressing biorisks and review the implementation of controls.

Facilitate biorisk assessments and conduct management review programmes.

Develop training and communication programmes and implement improvements to biorisk systems to manage emergency responses.

COURSE OUTLINE

- Topic 1 Basics of Good Manufacturing Practices
- Topic 2 Introduction to biohazards, biosafety and biosecurity
- Topic 3 Performance Monitoring
- Topic 4 Introduction to hazard identification, risk assessment, risk mitigation strategies
- Topic 5 Biosafety and Biosecurity risk/threat assessment
- Topic 5 Risk assessment methodology based on WHO lab biosafety manual 4th Edition
- Topic 6 Risk mitigation strategies
- Topic 7 Specific lab SOPs (standard operating procedures)
- Topic 8 Continuous education and improvements



BIORISK MANAGEMENT LEVEL 5

(Course ID: TGS-2023038997)

OVERVIEW

This Biorisk Management workshop aims to empower participants with the knowledge and skills necessary for developing effective biorisk management strategies and systems. The curriculum emphasizes the importance of continuous improvement, guiding participants through the plan-do-check-act cycle to consistently review and enhance the biorisk management system. The workshop also focuses on engaging workers at different levels to address workflow, productivity, safety, and security comprehensively. By fostering a safety culture, participants will learn to prevent accidents, minimize the risk of laboratory-acquired infections, and ensure ongoing compliance with safety regulations and protocols.

LEARNING OBJECTIVES

Establish biosafety guidelines and formulate biorisk strategies for varied laboratory levels.

Determine laboratory containment by reviewing processes and devise risk reduction for new technologies.

Formulate and integrate decontamination, waste management programmes, biosecurity and CGMPs into SOPs for safety.

Drive biorisk assessments, articulate training objectives, and formulate review programmes.

COURSE OUTLINE

- Topic 1 Standards and guidelines for biorisk management
- Topic 2 Elements of a Biorisk Management System
- Topic 3 Biorisk Management Oversight
- Topic 4 Levels of laboratory containment
- Topic 5 Addressing research needs and emerging technologies
- Topic 6 Waste Management
- Topic 7 Emergency Response Plan
- Topic 8 Compliance and good microbiological procedures and practices (GMPP)
- Topic 9 Performance monitoring
- Topic 10 Training and competency assessment program
- Topic 11 Continuous improvement

