



PROFESSIONAL BIORISK MANAGEMENT COURSE

Course Objective

Research and diagnostic laboratories can become a source of infection in humans and animals when biological agents are mishandled due to accidents or faulty laboratory facilities and equipment. Some infectious disease outbreaks can even have an economic and psychological impact on the community.

Appropriate biosafety and biosecurity programmes (biorisk management system) in the laboratory will reduce or eliminate the risk of potential exposure to biological hazards as well as prevent the loss, theft or misuse of biological agents/materials and sensitive information.

The modules in this course by the NUS Yong Loo Lin School of Medicine's Biosafety Level 3 Laboratory and Department of Microbiology and Immunology will provide laboratory personnel with a foundation in biorisk management. The knowledge and skills acquired from these modules will enable you to develop and implement a comprehensive biosafety and biosecurity management programme in biomedical laboratories of various industries (e.g. education, healthcare, pharmaceutical, biomedical sciences & technology).

This course is recognised by the Ministry of Health as a qualification for the biosafety coordinator role in Singapore.

LIST OF MODULES

Module Title	Unit Code	CRS Number	Duration	Dates
Implement Biorisk Management System (Core 1)	PI-PRO-501C-1	CRS-Q-0040251-PI	37 hrs 40 mins	Course: 4 – 8 Jan 2021 Assessment: 11 & 12 Jan 2021
Conducting Laboratory Performance Assessment and Monitoring (Core 2)	PI-PRO-502C-1	CRS-Q-0040280-PI	12 hrs 20 mins	Course: 19 & 20 Jan 2021 Assessment: 25 & 26 Jan 2021
Respond to Incidents and Accidents in Biomedical Facility (Core 3)	PI-PHQ-503C-1	CRS-Q-0040278-PI	22 hrs 20 mins	Course: 22 – 24 Feb 2021 Assessment: 1 & 2 Mar 2021
Applying Containment Principles in Laboratory Design (Core 4)	PI-PHQ-504C-1	CRS-Q-0040461-PI	19 hrs 20 mins	Course: 8 – 10 Mar 2021 Assessment: 15 & 16 Mar 2021
Establish Biosecurity Management System (Elective 1)	PI-PHQ-505E-1	CRS-Q-0040279-PI	17 hrs 20 mins	Course: 2 & 3 Feb 2021 Assessment: 8 & 9 Feb 2021
Apply Good Biosafety Practices When Working with Animals (Elective 2)	PI-PHQ-509E-1	CRS-Q-0040277-PI	17 hrs 20 mins	Course: 23 & 24 Mar 2021 Assessment: 29 & 30 Mar 2021

Who May Apply

- Biosafety professionals and officers, laboratory managers, biomedical science researchers and others who manage workplace safety in biomedical and clinical laboratories
- Inspectors, auditors, commissioning agents, certifiers of biomedical laboratories
- Architects, engineers, and personnel involved in the designing, building and maintenance of biomedical laboratories
- Anyone who meets the entry requirements and has an interest in the course modules

Entry Requirements

- Degree or diploma in biomedical science or equivalent field with one year of laboratory experience, or
- Degree or diploma in engineering or equivalent field with two years experience in designing or building biomedical laboratories

Award of Executive Certificate

Upon successful completion of each module, participants will be awarded a Singapore Workforce Skills Qualifications (Statement of Attainment (SOA) by SkillsFuture Singapore. Participants will be awarded a certificate of participation by NUS SCALE and NUS Yong Loo Lin School of Medicine should they complete the module/s but fail to pass the examination/s.

Upon successful completion of the four core and two elective modules, participants will be awarded the Professional Biorisk Management Course Certificate by NUS SCALE and NUS Yong Loo Lin School of Medicine, which is recognised by the Ministry of Health.

Mode of Training

Classroom sessions are with interactive methods (quizzes, group discussion, case studies, role playing, etc.) and hands-on training

Total Contact Hours

Training: 118 Hours

Assessment: 8.33 Hours

Per Module Fee

	Full Fee Paying Participants	Singapore Citizen		Singapore PR	Enhanced Training Support for SMEs
		39 years old or younger	40 years old or older	21 years old or older	
Implement Biorisk Management System (Core 1)	\$5,470.23	\$1,641.07	\$618.60	\$1,641.07	\$618.60
Conducting Laboratory Performance Assessment and Monitoring (Core 2)	\$1,791.94	\$537.58	\$202.64	\$537.58	\$202.64
Respond to Incidents and Accidents in Biomedical Facility (Core 3)	\$3,244.09	\$973.23	\$366.86	\$973.23	\$366.86
Applying Containment Principles in Laboratory Design (Core 4)	\$2,808.44	\$842.53	\$317.59	\$842.53	\$317.59
Establish Biosecurity Management System (Elective 1)	\$2,518.02	\$755.41	\$284.75	\$755.41	\$284.75
Apply Good Biosafety Practices When Working with Animals (Elective 2)	\$2,518.02	\$755.41	\$284.75	\$755.41	\$284.75

- Note**
1. SkillsFuture funding eligibility valid till 31 Mar 2021
 2. Module fee shown above is total nett fee payable (including GST), after funding from the various funding schemes. Refer to <https://scale.nus.edu.sg/programmes/executive-courses/funding> for more information on the funding schemes.

For more information, please contact SCALE Programme Administrator at scale.epd@nus.edu.sg

Administered by:



School of Continuing and Lifelong Education