

Health & Safety Fundamentals in Chemical-Orientated Laboratory



South African Institute of
Occupational Safety and Health
Verified - 2 CPD Points



Course Outcomes

This short course will enable delegates to:

- Recognise Laboratory and Chemical Hazards
- How to Complete a Risk Assessment to Assess Risks Associated to these Hazards
- Minimise the Risks via the Hierarchy of Controls
- Prepare for Laboratory Emergencies
- Understand & Interpret Safety Data Sheets



Course Contents

- Characteristics of Risk-Based Safety Culture
- Recognizing Hazards
 - Chemical
 - Physical
 - Radiation
 - Biological
- Assessing Risks
- Minimizing Risks via the Hierarchy of Controls
 - ⌚ Elimination
 - ⌚ Substitution
 - ⌚ Engineering: Fume hoods
 - ⌚ Administrative Controls: Housekeeping, Signage
 - ⌚ Laboratory Ergonomics
 - ⌚ Standard Operating Procedures
 - ⌚ PPE
- Preparing for Emergencies
- Emergency Equipment
- Emergency Response
- Chemical Spill Clean-up
- Basic Chemical Safety Fundamentals
 - ⌚ GHS
 - ⌚ Chemical Hazards & Segregation
- Safety Data Sheets

Need also to Complete:

- In Class Activities
- Summative Quiz



Course Dates 2026

Face2Face

- 23 June, UCT Upper (8h30 – 16h30)

Live Online

- 4 Nov, MS Teams (8h30 – 16h30)



Bookings

UCT Staff on [SuccessFactors](#)

UCT Students & External Attendees:
[Online Registration Form](#)



Target Audience

- Laboratory based:
 - Post-graduate students
 - Post-doctorate students
 - Assistants
 - Technicians
 - Scientific officers
 - Managers & supervisors
- School Science teachers
- School Science technicians



Costs

- UCT Attendees FREE
- R1250-00 pp (Ex VAT) for External Attendees

Alternatively, request a quotation for group training @ 25% discount. Min 10 persons to attend.



Facilitators

Monique Muller

✉ monique.muller@uct.ac.za

Dr. Sophie Rees-Jones

✉ sophie.rees-jones@uct.ac.za

🌐 CEM OHSE Unit

☎ 021 6504549



Certificate

UCT Accredited Successful Attendance e-Certificate upon successful completion of assessment

OHSE