

Time	Session Title	Key Modules Covered
Monday, November 2nd Risk Assessment Fundamentals & Exposure		
8:00AM – 10:00AM	Welcome and Course Introduction Introduction to Risk Assessment	Welcome and Course Introduction Welcome to KL and ASIATOX Introduction to RA and Why We do Risk Assessment RA process, Problem Formulation
10:00AM – 10:30AM	Tea Break	
10:30AM – 12:30PM	Hazard Identification & Dose-Response Analysis BMD	Hazard Identification (Human Data I & II), Hazard Identification & Characterization (Toxicity), Mode of Action Dose-Response Assessment (Non threshold & threshold)
12:30PM – 1:30PM	Lunch	
1:30PM – 3:30PM	Exposure Assessment	Principals of Chemicals on Exposure Principals of Biomarkers
3:30PM– 4:00PM	Tea Break	
4:00PM – 5:00PM	Risk Characterisation	Risk Characterisation/Principles of Risk Analysis, Diet/Case
5:00PM – 6:00PM	Risk Communication & Perception	Risk Communication, Risk Perception & Risk benefit analysis of chemicals, Psychology of Risk Perception, trust, affect & stigma, Risk Management
6:00PM	Adjourn	
Tuesday, November 3rd Next Generation Toxicology & Ecotoxicology		
8:30AM – 9:00AM	Introduction to Toxicological testing	Overview of toxicity tests
9:00AM – 10:00AM	Toxicology in the 21st Century	Toxicology in the 21st Century: new approaches in RA of chemicals, changing the testing program NGRA

10:00AM – 10:30AM	Tea Break	
10:30AM – 11:30AM	AOP	Adverse outcome pathways and risk assessment
11:30AM – 12:30PM	FDA Approach to NAMs	Update on FDA approach to use of NAMs
12:30PM – 1:30PM	Lunch	
1:30PM – 2:20PM	Chemical Prioritization & Management	How to prioritize chemicals for risk assessment
2:30PM – 4:00PM	Case Study	Introduction Group work
4:00PM	Adjourn	

Tour and social event/dinner TBD

Wednesday, November 4th
Specialized Toxicology & Regulatory Application

8:00AM – 10:00AM	Mixtures and Biomarkers	Human Exposures Assessment on Biomarkers and Modelling of Monitoring Occupational Exposures: epidemiology and complex mixtures
10:00AM – 10:30AM	Tea Break	
10:30AM – 12:30PM	Safety Evaluation of Products	Safety evaluation of medical products: Safety evaluation of chemicals & drugs regarding their liver toxicity Biosafety of vaccines
12:30PM – 1:30PM	Reproductive & Developmental Toxicology Children's Risk & Human Health Tools	Children's Risk Guidance/How it was derived how it is to be used, Sensitive population
1:30PM – 2:30PM	Lunch	

2:30PM – 4:45PM	Regulatory context	Safety Evaluation of Food and Food Additives The WHO International Program on Chemical Safety Regulatory guidelines OECD
4:45PM – 6:00PM	Case Study	Group Discussion
6:00PM	Adjourn	
Thursday, November 5th Advanced Risk Assessment & Global Framework		
8:00AM – 8:45AM	Air Pollution	Air pollution: Standard Setting/Guideline Derivation
8:45AM – 9:30AM	New Modalities	Safety Assessment of antisense oligonucleotide drugs
9:30AM – 10:15AM	Target Organ Toxicity (Liver)	Overview of liver toxicity
10:15AM – 10:30AM	Tea Break	
10:30AM – 11:30AM	Genotoxicity & Carcinogenicity	Overview of genotoxicity and carcinogenicity
11:30AM – 12:30PM	Immunotoxicology	Overview of immunotoxicology
12:30PM – 1:30PM	Lunch	
1:30PM – 3:30PM	Chemical stewardship in managing human health Safety of Cosmetics	Overview of non-animal methods in cosmetics risk assessment
3:30PM – 5:30PM	Group Case Study	General questions/ Q&A Feedback
5:30PM	Adjourn	

**Friday, November 6th
Synthesis & Case Studies**

9:00AM – 10:00AM	Ecological Risk Assessment	Ecological RA (Env Fate, Bioaccumulation) Endocrine Disruptors
10:00AM – 11:00AM	Nanomaterials	Overview of risk assessment of nanomaterials
11:00AM – 11:30AM	Tea Break	
11:30AM – 12:30PM	Course Assessment	MCQ
12:30PM – 2:30PM	Lunch Break	
2:30PM – 5:00PM	Presentations	Case study presentations from small groups
END		