

Hong Kong - Ten Day Road Safety Audit and Engineering, Week 1 Programme

Day	12:00-13:30	Break	13:45 – 15:15	Break	15:45 – 17:15	Break	17:30 – 19:00
1	01-01 Introductions and Overview of Course Lecturers Delegates Course content Learning Outcomes		01-02 Global Road Safety Problem International practice, patterns, and trends WHO ‘Decade of Action’ Sustainable Development Goals Health & inequality issues		01-03 Road Safety in the HK Road safety statistics Local challenges Responsibilities Design standards/guidance		01-04 ‘Safe Systems’ and ‘Vision Zero’ iRAP/ChinaRAP Safe Systems and Vision Zero iRAP/ChinaRAP methodology
2	02-01 Driver Psychology and Human Factors What is Driver Psychology Human Factors and their influence on road safety		02-02 Road Safety Interventions Review of Education, Enforcement & Engineering Interventions in isolation and combination		02-03 Collision Analysis Use of crash data Crash database systems Causation factors Data collection + reliability Alternatives if no crash data		02-04 Collision Analysis Practical Worked example of collision analysis Practical workshop
3	03-01 The Role of Engineering in Road Safety Principles and applications of Road Safety Engineering Temporary Traffic Management (TTM)		03-02 Statistical Analysis for Road Safety Engineering Statistical techniques for Assessing collision data Practical workshop		03-03 Economic Evaluation for Road Safety Engineering Cost of crashes Economic evaluation Collision savings First Year Rate of Return (FYRR)		03-04 Conflict Study + Collision Prevention and Reduction (CPR) Conflict Study; purpose and methodology CPR overview and examples
4	04-01 Mass Action + Area Wide Action Intervention – Mass Action Intervention – Area Wide Action		04-02 Mass Action Practical Group exercise practical workshop		04-03 Collision Prevention and Reduction (CPR) - Single Site Approach Intervention – Single Site FYRR for Single Site		04-04 Site Ranking and Route Action Site ranking - practical workshop Intervention – Route Action
5	05-01 Road Safety Inspection (1) Road Safety Inspection overview Local scheme scenario Virtual site visit		05-02 Road Safety Inspection (2) Practical – Road Safety Inspection reporting; delegates will work in groups to produce an Inspection Report		05-03 Road Safety Inspection (3) Practical – Road Safety Inspection reporting; delegates will work in groups and present findings of Road Safety Inspection		05-04 First 5 days - Recap Recap First 5 days key Learning Outcomes in preparation for Knowledge Test

Hong Kong - Ten Day Road Safety Audit and Engineering, Week 2 Programme

Day	12:00-13:30	Break	13:45 – 15:15	Break	15:45 – 17:15	Break	17:30 – 19:00
6	06-01 'Knowledge Test' Second 5 Days Overview + Knowledge Test (60 minutes) Second 5 Days - Course content + Learning Outcomes		06-02 Road Safety Audit (1) Introduction to and overview of RSA; definition + purpose International 'Good Practice' Overview of HK RSA Guidance RSA exemptions		06-03 Road Safety Audit (2) RSA stages Roles and responsibilities RSA brief RSA report		06-04 Road Safety Audit (3) Defining problems and recommendations Site visit process RSA checklists RSA Response Report
7	07-01 Road Safety Audit (4) Knowledge Test answers 'Good Practice' in reporting and presentation Reading drawings		07-02 Road Safety Audit Practical (1-1) Workshop reviewing examples of common Stage 3 RSA issues in HK and internationally		07-03 Road Safety Audit Practical (1-2) Stage 1/2 RSA workshop – Guided desktop group exercise		07-04 Road Safety Audit Practical (1-3) Groups collate and agree audit findings
8	08-01 Road Safety Audit Practical (1-4) Group presentations of RSA findings		08-02 Road Safety Audit Practical (1-5) Constructive feedback on Presentations RSA quiz (not formal exam)		08-03 Road Safety Audit (5) Focus on vulnerable road users in urban RSA		08-04 Star Ratings for Road Safety Audit Combining iRAP Star Ratings with Road Safety Audit Overview of 'Try for Real' process
9	09-01 Road Safety Audit Practical (2-1) 'Try for Real' Review drawings and 'terms of reference' Preparation for site visit; Risk Assessment & Checklists		09-02 Road Safety Audit Practical (2-2) 'Try for Real' Groups collate and agree audit findings		09-03 Road Safety Audit Practical (2-3) 'Try for Real' Reporting and Preparation for formal presentation		
10	10-01 Road Safety Audit Practical (2-4) 'Try for Real' Formal group presentations				10-02 Evolving Technology, Sustainability and Road Safety Overview of transport futures and evolving agendas considering associated road safety impacts		10-03 Course Recap Recap of key Learning Outcomes Final Q&A