

## 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
<b>1</b> <b>Mon</b> <b>23/09</b>	<b>01-01</b> <b>Introductions and Overview of Course</b> Lecturers Delegates Course content Learning Outcomes		<b>01-02</b> <b>Global Road Safety Problem</b> International practice, patterns, and trends WHO 'Decade of Action' Sustainable Development Goals Health & inequality issues		<b>01-03</b> <b>Road Safety in the HK</b> Road safety statistics Local challenges Responsibilities Design standards/guidance		<b>01-04</b> <b>'Safe Systems' and 'Vision Zero' iRAP/ChinaRAP</b> Safe Systems and Vision Zero iRAP/ChinaRAP methodology
<b>2</b> <b>Tue</b> <b>24/09</b>	<b>02-01</b> <b>Driver Psychology and Human Factors</b> What is Driver Psychology Human Factors and their influence on road safety		<b>02-02</b> <b>Road Safety Interventions</b> Review of Education, Enforcement & Engineering Interventions in isolation and combination		<b>02-03</b> <b>Collision Analysis</b> Use of crash data Crash database systems Causation factors Data collection + reliability Alternatives if no crash data		<b>02-04</b> <b>Collision Analysis Practical</b> Worked example of collision analysis Practical workshop
<b>3</b> <b>Wed</b> <b>25/09</b>	<b>03-01</b> <b>The Role of Engineering in Road Safety</b> Principles and applications of Road Safety Engineering Temporary Traffic Management (TTM)		<b>03-02</b> <b>Statistical Analysis for Road Safety Engineering</b> Statistical techniques for Assessing collision data Practical workshop		<b>03-03</b> <b>Economic Evaluation for Road Safety Engineering</b> Cost of crashes Economic evaluation Collision savings First Year Rate of Return (FYRR)		<b>03-04</b> <b>Conflict Study + Collision Prevention and Reduction (CPR)</b> Conflict Study; purpose and methodology CPR overview and examples
<b>4</b> <b>Thu</b> <b>26/09</b>	<b>04-01</b> <b>Mass Action + Area Wide Action</b> Intervention – Mass Action Intervention – Area Wide Action		<b>04-02</b> <b>Mass Action Practical</b> Group exercise practical workshop		<b>04-03</b> <b>Collision Prevention and Reduction (CPR) - Single Site Approach</b> Intervention – Single Site FYRR for Single Site		<b>04-04</b> <b>Site Ranking and Route Action</b> Site ranking - practical workshop Intervention – Route Action
<b>5</b> <b>Fri</b> <b>27/09</b>	<b>05-01</b> <b>Road Safety Inspection (1)</b> Road Safety Inspection overview Local scheme scenario Virtual site visit		<b>05-02</b> <b>Road Safety Inspection (2)</b> Practical – Road Safety Inspection reporting; delegates will work in groups to produce an Inspection Report		<b>05-03</b> <b>Road Safety Inspection (3)</b> Practical – Road Safety Inspection reporting; delegates will work in groups and present findings of Road Safety Inspection		<b>05-04</b> <b>First 5 days - Recap</b> 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
<b>6 Mon 07/10</b>	<b>06-01</b> <b>'Knowledge Test'</b> <b>Second 5 Days Overview +</b> Knowledge Test (60 minutes) Second 5 Days - Course content + Learning Outcomes		<b>06-02</b> <b>Road Safety Audit (1)</b> Introduction to and overview of RSA; definition + purpose International 'Good Practice' Overview of HK RSA Guidance RSA exemptions		<b>06-03</b> <b>Road Safety Audit (2)</b> RSA stages Roles and responsibilities RSA brief RSA report		<b>06-04</b> <b>Road Safety Audit (3)</b> Defining problems and recommendations Site visit process RSA checklists RSA Response Report
<b>7 Tue 08/10</b>	<b>07-01</b> <b>Road Safety Audit (4)</b> Knowledge Test answers 'Good Practice' in reporting and presentation Reading drawings		<b>07-02</b> <b>Road Safety Audit</b> <b>Practical (1-1)</b> Workshop reviewing examples of common Stage 3 RSA issues in HK and internationally		<b>07-03</b> <b>Road Safety Audit</b> <b>Practical (1-2)</b> Stage 1/2 RSA workshop – Guided desktop group exercise		<b>07-04</b> <b>Road Safety Audit</b> <b>Practical (1-3)</b> Groups collate and agree audit findings
<b>8 Wed 09/10</b>	<b>08-01</b> <b>Road Safety Audit</b> <b>Practical (1-4)</b> Group presentations of RSA findings		<b>08-02</b> <b>Road Safety Audit</b> <b>Practical (1-5)</b> Constructive feedback on Presentations RSA quiz (not formal exam)		<b>08-03</b> <b>Road Safety Audit (5)</b> Focus on vulnerable road users in urban RSA		<b>08-04</b> <b>Star Ratings for Road Safety</b> <b>Audit</b> Combining iRAP Star Ratings with Road Safety Audit Overview of 'Try for Real' process
<b>9 Thu 10/10</b>	<b>09-01</b> <b>Road Safety Audit</b> <b>Practical (2-1) 'Try for Real'</b> Review drawings and 'terms of reference' Preparation for site visit; Risk Assessment & Checklists		<b>09-02</b> <b>Road Safety Audit</b> <b>Practical (2-2) 'Try for Real'</b> Groups collate and agree audit findings		<b>09-03</b> <b>Road Safety Audit Practical (2-3) 'Try for Real'</b> Reporting and Preparation for formal presentation		
<b>10 Mon 14/10</b>	<b>10-01</b> <b>Road Safety Audit Practical (2-4) 'Try for Real'</b> Formal group presentations				<b>10-02</b> <b>Evolving Technology,</b> <b>Sustainability and Road Safety</b> Overview of transport futures and evolving agendas considering associated road safety impacts		<b>10-03</b> <b>Course Recap</b> Recap of key Learning Outcomes Final Q&A