

## Hong Kong, Road Safety Audit and Engineering, 10 Day Programme: September 2022

Date	12:00-13:30	Break	13:45 – 15:15	Break	15:45 – 17:15	Break	17:30 – 19:00
<b>Wednesday 14</b>	<b>01-01 Introductions and Overview of Course</b> Lecturers Delegates Course content Learning Outcomes		<b>01-02 Global Road Safety Problem + Road Safety in Hong Kong</b> International picture WHO 'Decade of Action' HK road safety Patterns and trends		<b>01-03 Road Safety Strategy, Casualty Targets + Health &amp; Equality</b> Strategy Purpose and Examples Casualty Targets Responsibilities Health & Equality issues		<b>01-04 'Safe Systems' and 'Vision Zero' iRAP/ChinaRAP</b> Safe Systems and Vision Zero iRAP/ChinaRAP Methodology
<b>Thursday 15</b>	<b>02-01 Collision Analysis</b> Use of data Crash database systems Causation + Contributory Factors Data Collection + reliability Alternatives if no crash data		<b>02-02 Human Behaviour</b> Human Factors Education and Enforcement Interventions		<b>02-03 The Role of Engineering in Road Safety</b> Principles and applications of Road Safety Engineering Temporary Traffic Management		<b>02-04 Collision Analysis Practical</b> Worked example of collision analyses Practical Workshop
<b>Friday 16</b>	<b>03-01 Statistical Analysis for Road Safety Engineering</b> Statistical Techniques for Assessing Collision Data Practical Workshop		<b>03-02 Economic Evaluation for Road Safety Engineering</b> Cost of crashes Economic evaluation Collision Savings First Year Rate of Return (FYRR)		<b>03-03 Site Specific Analysis</b> FYRR Practical Workshop Conflict Study; purpose and methodology		<b>03-04 Collision Prevention and Reduction</b> CPR Overview CPR Example Measures
<b>Monday 19</b>	<b>04-01 Single Site + Site Ranking</b> Intervention – Single Site Site Ranking Practical Workshop		<b>04-02 Route Action</b> Intervention – Route Action		<b>04-03 Area Wide Action + Mass Action</b> Intervention – Area Wide Action Intervention – Mass Action (overview)		<b>04-04 Mass Action Practical</b> Delegates will work in groups to develop a Mass Action intervention strategy
<b>Tuesday 20</b>	<b>05-01 Road Safety Assessment (1)</b> Road Safety Assessment – Introduction Guided Workshop		<b>05-02 Road Safety Assessment (2) Local Case Study</b> Virtual Site Visit		<b>05-03 Road Safety Assessment (3) Practical – Road Safety Assessment Reporting;</b> Delegates will work in groups to produce a Road Safety Assessment Report		<b>05-04 Road Safety Assessment (4)</b> Practical – Road Safety Assessment Reporting; Groups will present findings of Road Safety Assessment <b>Week 1 Recap</b> Recap Week 1 key learning points; preparation for Knowledge Test

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<b>Wednesday 21</b>	<b>06-01</b> <b>‘Knowledge Test’</b> <b>Weekly Overview +</b> Knowledge Test (60 minutes) Week 2 Course Content + Learning Outcomes		<b>06-02</b> <b>Road Safety Audit (1)</b> Introduction to and Overview of RSA; definition + purpose International Best Practice Overview of Hong Kong 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 and information to collect RSA checklists RSA Response Report
<b>Thursday 22</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 RSA Issues in Hong Kong and Internationally		<b>07-03</b> <b>Road Safety Audit</b> <b>Practical (1-2)</b> 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>Friday 23</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 (5)</b> Focus on vulnerable road users in urban RSA		<b>08-03</b> <b>Road Safety Audit</b> <b>Practical (1-5)</b> Constructive Feedback on Presentations RSA quiz (not formal exam)		<b>08-04</b> <b>Road Safety Audit</b> <b>Practical (2-1) ‘Try for Real’</b> Review drawings and ‘terms of reference’
<b>Monday 26</b>	<b>09-01</b> <b>Road Safety Audit</b> <b>Practical (2-2) ‘Try for Real’</b> Preparation for Site Visit; Risk Assessment & Checklists Virtual Site Visit		<b>09-02</b> <b>Road Safety Audit</b> <b>Practical (2-3) ‘Try for Real’</b> Groups collate and agree audit findings		<b>09-03</b> <b>Road Safety Audit Practical (2-4) ‘Try for Real’</b> Reporting and Preparation for Formal Presentation		
<b>Tuesday 27</b>	<b>10-01</b> <b>Road Safety Audit Practical (2-5) ‘Try for Real’</b> Formal Group Presentations				<b>10-02</b> <b>Road Safety Implications of Evolving</b> <b>Technology and Agendas</b> Overview of future transport technologies and agendas and associated road safety impacts		<b>10-03</b> <b>Course Recap</b> Recap of Key Learning Points from Week 1 and Week 2 Final Q&A