

Syllabus and Time Table for Bridging Course- Underground Surveying and LSB Directive (non-cadastral) 2019

Lectures and Tutorials (Wednesday) 6:30 pm to 9:30 pm

No	Dates	Topics	L/T	Duration (hrs)
1	15/08/2019	1. Introduction to Underground Surveying, Safety Practices, site conditions, construction sequences in tunnelling, tunnel geometry; and 2. Common terminologies in tunnelling and track alignment	L/T	3
2	22/08/2019	1. Survey Quality Plan; and 2. Method Statement of Survey Works	L/T	3
3	29/08/2019	1. Surface Control Survey; and 2. Horizontal Datum Transfer Survey and Horizontal Control Survey	L/T	3
4	05/09/2019	1. Vertical Datum Transfer Survey and Vertical Control Survey; and 2. Gyro Survey	L/T	3
5	12/09/2019	1. Tunnel Boring Machine Survey and Guidance System; and 2. Definition of Structure Gauge	L/T	3
6	19/09/2019	1. Rectangular Tunnel as-built survey; and 2. Bored Tunnel wriggle survey	L/T	3
7	26/09/2019	1. Station Box as-built survey; 2. Passenger Screen Door Surveys; and 3. Civil Defence Tunnel Hinge Door Survey	L/T	3
8	03/10/2019	1. Survey for Railway Protection of Underground Tunnels; and 2. Track Survey	L/T	3
9	10/10/2019	1. LSB Directives on non-cadastral survey practices; 2. LSB Directives on control survey and; 3. LSB Directives on setting out surveys; and 4. LSB Directives on as-built/topographical survey	L/T	3
10	17/10/2019	1. LSB Directives on Gazette Notifications, GPS RTK and Deformation surveys 2. Revisions	L/T	3
			Total hrs	30

24/10/2019	Examination (Time : 7.00pm to 9.00pm)	Exam	2
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Training Venue : Singapore Institute of Surveyors & Valuers

110 Middle Road #09-00 Chiat Hong Building, Singapore 188968

Tel: (65) 6222 3030 Fax: (65) 6225 2453

