

1. Title	Application of underground drainage engineering
2. Code	EMPDDE305A
3. Range	Master the knowledge of underground drainage works in plumbing design and coordinate the uses and laying requirements for all kinds of underground drainage works within the building.
4. Level	3
5. Credits	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the composition and function of underground drainage system and examples of layout</p> <ul style="list-style-type: none"> ◆ Know about the sub-surface drainage systems composed of drainages, sub-surface waterways and manholes ◆ Know how the surface drainage systems discharge wastewater via underground and sub-surface drainage systems ◆ Know about legislations, ordinances and regulations governing the excavation of underground drainage system and sumps ◆ Understand the requirements on levelling and setting out job lines for positioning, excavation and supporting of underground drainage system and sumps ◆ Understand rules and regulations and governing ordinances related to fountains and landscape irrigation systems <p>6.2 Application of underground drainage engineering</p> <ul style="list-style-type: none"> ◆ Assess the performance of the drainage system for drains and provide feasible solution according to the actual environment
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to know about the operating principles of the underground drainage system unit, and assess the performance of the underground drainage system.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic drainage knowledge.