

1. Title	Install mechanical equipment of fountain systems and landscape irrigation systems										
2. Code	EMPDIN405A										
3. Range	Perform tasks of installing mechanical equipment of fountain systems and landscape irrigation systems for plumbing projects according to drawings.										
4. Level	4										
5. Credits	4										
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Knowledge of installing mechanical equipment of fountain systems and landscape irrigation systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the construction and operating principles of various types of mechanical equipment of fountain systems and landscape irrigation systems ◆ Read installation drawings of mechanical equipment of fountain systems and landscape irrigation systems ◆ Understand the installation requirements and specifications of such equipment </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of installing mechanical equipment of fountain systems and landscape irrigation systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Know the installation procedures and methods for mechanical equipment of fountain systems and landscape irrigation systems, including the procedures of material checking, assembly, adjustment and testing ◆ Select and use suitable accessories and materials for the mechanical equipment of fountain systems and landscape irrigation systems ◆ Install and set various kinds of pipes and parts like switching valves at suitable locations according to installation instructions ◆ Use workshop and worksite equipment and tools safely and skilfully, e.g. threading machine, electric drill, bench fitting tools and welding machine </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in installing mechanical equipment of fountain systems and landscape irrigation systems</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Perform tasks of installing mechanical equipment of fountain systems and landscape irrigation systems according to installation instructions ◆ Understand the safety guidelines required by the law and code of practice in undertaking tasks of installing mechanical equipment of fountain systems and landscape irrigation systems </td> </tr> </table>		6.1	Knowledge of installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Understand the construction and operating principles of various types of mechanical equipment of fountain systems and landscape irrigation systems ◆ Read installation drawings of mechanical equipment of fountain systems and landscape irrigation systems ◆ Understand the installation requirements and specifications of such equipment 	6.2	Methods and procedures of installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Know the installation procedures and methods for mechanical equipment of fountain systems and landscape irrigation systems, including the procedures of material checking, assembly, adjustment and testing ◆ Select and use suitable accessories and materials for the mechanical equipment of fountain systems and landscape irrigation systems ◆ Install and set various kinds of pipes and parts like switching valves at suitable locations according to installation instructions ◆ Use workshop and worksite equipment and tools safely and skilfully, e.g. threading machine, electric drill, bench fitting tools and welding machine 	6.3	Professionalism in installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Perform tasks of installing mechanical equipment of fountain systems and landscape irrigation systems according to installation instructions ◆ Understand the safety guidelines required by the law and code of practice in undertaking tasks of installing mechanical equipment of fountain systems and landscape irrigation systems
6.1	Knowledge of installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Understand the construction and operating principles of various types of mechanical equipment of fountain systems and landscape irrigation systems ◆ Read installation drawings of mechanical equipment of fountain systems and landscape irrigation systems ◆ Understand the installation requirements and specifications of such equipment 									
6.2	Methods and procedures of installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Know the installation procedures and methods for mechanical equipment of fountain systems and landscape irrigation systems, including the procedures of material checking, assembly, adjustment and testing ◆ Select and use suitable accessories and materials for the mechanical equipment of fountain systems and landscape irrigation systems ◆ Install and set various kinds of pipes and parts like switching valves at suitable locations according to installation instructions ◆ Use workshop and worksite equipment and tools safely and skilfully, e.g. threading machine, electric drill, bench fitting tools and welding machine 									
6.3	Professionalism in installing mechanical equipment of fountain systems and landscape irrigation systems	<ul style="list-style-type: none"> ◆ Perform tasks of installing mechanical equipment of fountain systems and landscape irrigation systems according to installation instructions ◆ Understand the safety guidelines required by the law and code of practice in undertaking tasks of installing mechanical equipment of fountain systems and landscape irrigation systems 									

7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> (i) Capable to complete installation of mechanical equipment of fountain systems and landscape irrigation systems systematically and efficiently; and (ii) Capable to undertake tasks of installing mechanical equipment of fountain systems and landscape irrigation systems safely according to the code of practice of the trade.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person is familiar with the knowledge and skill in installing mechanical equipment of water supply systems.</p>