

1. Title	Understand the design concept of power quality and calculation of different tariff schemes in electrical power system		
2. Code	111489L2		
3. Range	Applicable to the design of power supply system, which involves understanding the design concept of power quality and calculation of different tariff schemes in electrical power system.		
4. Level	2		
5. Credit	3		
6. Competency			<u>Performance Requirements</u>
	6.1	Know about the design concept of the reliability and power quality in electrical power system	◆ Understand the design concept of the reliability and power quality including: ➤ Effects of harmonics, ➤ Effects of voltage dip, ➤ Power factor, ➤ Undervoltage and overvoltage.
	6.2	Perform electricity tariff and energy calculation in electrical power system	◆ Apply knowledge in energy and power concept and perform technical calculations in electrical energy and tariff.
	6.3	Exhibit professionalism in application of power quality concept and tariff scheme calculation	◆ Follow the Supply Rule of Power Company and relevant standards in application of power quality concept and tariff scheme calculation.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to understand the design concept of power quality and calculation of different tariff schemes in electrical power system.		
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic electrical and mechanical knowledge.		