

1. Title	Filters selection for electric signal filtering
2. Code	EMAMCM205A
3. Range	Design of electric circuits for special signal transmission or repair work of electric circuits.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Operation of different filters ♦ Able to understand the operation of different filters :</p> <ul style="list-style-type: none"> • knowledge of AC theory and L, C and R circuits • types of filters and their operation : low pass, high pass, band pass and band stop <p>6.2 Application and uses of different filters ♦ Able to select appropriate filters for electric signal filtering in accordance with the procedures.</p>
7. Assessment Criteria	<p>The integral outcome requirements of this UoC are:</p> <p>(i) Able to select different filter set-up for specific functions in electric circuits.</p> <p>(ii) Able to describe in general words and examples the operation of different types of filters.</p>
8. Remarks	<p>(Ref: HKAR-66 Module 3.13, 3.14 & 3.16)</p> <p>The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in electrical theories.</p>