

1. Title	Propeller I	
2. Code	EMAMAA402A	
3. Range	The knowledge is needed for a wide range of aircraft repair and maintenance works, e.g. applicable to aircrafts, analysis, machineries, airworthiness, airframes, avionics, materials, tests, documentation, safety, health and tools etc.	
4. Level	4	
5. Credit	2	
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge</p> <ul style="list-style-type: none"> ◆ Able to understand the propeller fundamentals ◆ Able to understand the propeller construction ◆ Able to understand the propeller pitch control <ul style="list-style-type: none"> • Speed control and pitch change methods. • Feathering and reverse pitch. • Overspeed protection. ◆ Able to understand the propeller ice protection <ul style="list-style-type: none"> • Fluid and electrical de-icing equipment. ◆ Able to understand the propeller maintenance <ul style="list-style-type: none"> • Static and dynamic balancing. • Blade tracking. • Assessment of blade damage, erosion, corrosion impact damage and delamination. • Propeller treatment / repair schemes. • Propeller engine running process. <p>6.2 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to understand the principal elements of the subjects. 	

7. Assessment Criteria	The integral outcomes requirement of this UoC are: (i) Able to understand the basic elements of the subjects. (ii) Able to give a simple description of the whole subject, using common words and examples. (iii) Able to use the typical terms.
8. Remarks	Ref: HKAR-66 Module 17: Propeller.