

1. Title	Human factors I	
2. Code	EMAMAG339A	
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	3	
5. Credit	2	
6. Competency	<u>Performance Requirement</u>	
	6.1 Knowledge	<ul style="list-style-type: none"> ◆ Able to understand the general of human factor ◆ Able to understand the human performance and limitations ◆ Able to understand the social psychology ◆ Able to understand the factors affecting performance ◆ Able to understand the physical environment ◆ Able to understand the tasks ◆ Able to understand the communication ◆ Able to understand the human error ◆ Able to understand the hazards in the workplace
	6.2 Theoretical and practical aspects	<ul style="list-style-type: none"> ◆ Able to apply the following knowledge in the aircraft maintenance. <ul style="list-style-type: none"> • Factors affecting performance • Communication

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to understand the principal elements of the subjects. ◆ Able to understand the general knowledge of the theoretical and practical aspects of the following subjects. <ul style="list-style-type: none"> • Factors affecting performance • Communication ◆ Able to apply the knowledge in the aircraft maintenance task.
<p>7. Assessment Criteria</p>	<p>The integral outcomes requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to understand the theoretical fundamentals of the subjects. (ii) Able to give a general description of the subjects using, as appropriate, typical examples. (iii) Able to use mathematical formulae in conjunction with physical laws describing the subjects. (iv) Able to read and understand sketches, drawings and schematics describing the subjects. (v) Able to apply the knowledge in a practical manner using detailed procedures.
<p>8. Remarks</p>	<p>Ref: HKAR-66 Module 9: Human factors</p>