



Unit Assessment Record (UAR)

Industrial Plant Maintenance (D4HX 04)

Credit Value: 1

NB: After entering your personal details please pass this document to your tutor for completion and eventual return to COLU. You may wish to retain a copy for your own use.

TITLE:	SURNAME:	UNIT TUTOR:
FORENAME(s):	CENTRE:	
HOME ADDRESS:	ADDRESS:	
.....	
.....	
POST CODE:	POST CODE:	
HOME TEL:	TEL NO:	
WORK TEL:	FAX NO:	
FAX NO:	E-MAIL:	
E-MAIL:	CENTRE CONTACT:	

SQA REG. NO:	UNIT START DATE:
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AUTHENTICATION OF EVIDENCE – INTERVIEW	DATE:
PORTFOLIO OF EVIDENCE AVAILABLE	<input type="checkbox"/>
EVIDENCE AUTHENTICATED	<input type="checkbox"/>
ALL OUTCOMES SATISFIED	<input type="checkbox"/>
Please initial as appropriate	
NOTES:	
.....	
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GRADE	REFER	PASS	MERIT	
FINAL GRADE:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Please initial as appropriate
ASSESSOR:				DATE:



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VERIFIER:..... DATE:

Evidence Log – For each of the performance criteria please clearly identify the evidence within the portfolio that satisfies the criterion.

1) Analyse maintenance planning in relation to industrial plant and services

TMA Evidence

Supplementary Evidence & Location

- (a) Explanation of the need for maintenance planning is clear in terms of short term maintenance requirements and long term replacement and repair for a particular situation.
- (b) Comparisons of the types of maintenance policy are clear and related to particular situations.
- (c) Analysis of the factors determining a maintenance plan is clear and comprehensive.

2) Analyse the organisation of maintenance for industrial plant and services

- (a) Explanation of the effects of the nature and location of the workforce is clear and deterministic and probabilistic work load factors on the organisation of maintenance are accurate.
- (b) The administrative structures controlling the management of maintenance are clearly described.
- (c) A typical 'maintenance work' planning model is clearly described and justified.
- (d) A typical 'spares inventory' control system is clearly described and justified in terms of the factors affecting cost effectiveness, economic ordering quantity and stock control.

3) Use planning techniques for the control and programming of maintenance work

- (a) Analysis of bar chart and critical path network analysis planning techniques is correct, comprehensive and related to particular situations.
- (b) Use of bar chart for planning maintenance work for a particular situation is correct.

Assessment Matrix – The matrix indicates which instruments of assessment, within the primary assessment package, are required to satisfy individual performance criteria.

The column titled **Merit** identifies where particular opportunities exist for candidates to develop their work with a view to satisfying the requirements for the award of merit.

The row titled **Minimum Evidence Requirement** indicates the minimum number of examples required (or times a task must be performed) to satisfy a particular performance criterion.

Industrial Plant Maintenance

OUTCOMES/PERFORMANCE CRITERIA		Qu	1a	1b	1c	2a	2b	2c	2d	3a	3b	3c	3d	Merit	
EVIDENCE	TMA - 1	1													
		2		X											
		3		X											
		4			X										
		5		X											
		6	X												
		7	X												
		8			X										
		9				F	O	R	M	A	T	I	V	E	
		10			X										
		11			X										
EVIDENCE	TMA - 2	1					X								
		2				X	X								
		3													
		4				X									
		5			F	O	R	M	A	T	I	V	E		
		6						X							
		7			F	O	R	M	A	T	I	V	E		
		8		X											
		9							X						
		10							X						
		11						X							
EVIDENCE	TMA - (3, 4)	1			F	O	R	M	A	T	I	V	E		
		2											X		
		3							X	X					
		4										X			
		5										X			
		6								X					
		7			F	O	R	M	A	T	I	V	E		
		8												X	
		9			F	O	R	M	A	T	I	V	E		
		10			F	O	R	M	A	T	I	V	E		
		11			F	O	R	M	A	T	I	V	E		
		12												X	
TMA - (5, 6)	-	A	L	L		F	O	R	M	A	T	I	V	E	
SUMMATIVE ASSIGNMENT	1							X	X					X	
	2										X			X	
MINIMUM EVIDENCE REQUIREMENT			2	4	4	2	2	2	3	2	2	3	3	2	

Merit Statement – The award of merit will be made to candidates who satisfy all the performance criteria for the unit, and in addition demonstrate a superior, sophisticated level of performance when:

- (1) analysing systems
- (2) solving problems.