



Unit Assessment Record (UAR)

Industrial Studies I

(D3R0 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:		
.....		
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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:			
<u>AUTHENTICATION OF EVIDENCE – INTERVIEW</u>		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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<u>GRADE</u>			
	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) Describe the roles and relationships of engineering personnel in industry

TMA Evidence

Supplementary Evidence & Location

(a) The descriptions of the roles and relationships between Professional and Incorporated Engineers, Technicians, Craftsmen and Operatives are clearly stated.

2) Describe aspects of automation in industry and its effects on employment

(a) The explanation of the principle factors influencing the introduction of automation into British industry is accurate.

(b) The description of the social and economic effects of the automation of industry is correct.

(c) The explanation of a paradigm to solve problems of structural unemployment is correct in terms of its related social and economic effects and its underpinning definition of 'employment'.

3) Describe some of the main social, economic and political constraints on industry

(a) The description of the principal factors influencing the location of an industry is correctly related to the industry's requirements.

(b) The explanation of how government intervention and policy in specific areas can affect industry is accurate.

4) Use a software package to plan a project

(a) The production of a precedence-link list is correct in terms of the given task list and task dependencies.

(b) Entering of tasks and their duration into the project program is correct.

(c) The assignment of resources and costs is correctly related to the tasks to be performed.

(d) The production of an engineering project schedule is complete and correct in terms of Gantt/Bar Charts, PERT/Logic Diagram, Task and Resource usage graphs and accurate in terms of given data.

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 Studies I

OUTCOMES/PERFORMANCE CRITERIA		Qu	1a	2a	2b	2c	3a	3b	4a	4b	4c	4d	Merit
EVIDENCE	TMA - 1 (v2)	1	X										
	TMA - 3 (1-3) (v2)	1		X									
		2			X								
		3			X								
		4		X									
		5				X							
	TMA - 4 (1-3) (v2)	1					X						
		2						X					
		3						X					
		4						X					
		5						X					
	6						X						
PROJECT									X	X	X	X	X
MINIMUM EVIDENCE REQUIREMENT			1	2	2	1	1	5	1	1	1	1	1

Merit Statement

To gain a pass in this unit, a candidate must meet the standards set out in the outcomes, performance criteria, range statements and evidence requirements.

To achieve a merit in this unit, a candidate must demonstrate a superior or more sophisticated level of performance. In this unit this might be shown in the following ways:

- (a) by the successful application of course knowledge gained, to an industrial situation
- (b) by the demonstration of superior techniques in the execution of an engineering software scheduling project
- (c) by the evidence of further reading and research.