

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

<b>Unit Title</b>	<b>Applications of computer aided designing</b>	<b>Unit Code</b>	<b>F557</b>	<b>Session</b>	Jan / June	<b>Year</b>	<b>2</b>	<b>0</b>		
<b>Centre Name</b>						<b>Centre Number</b>				
<b>Candidate Name</b>						<b>Candidate Number</b>				

Marking Criteria – total marks for this unit is 60						Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			Mark	
1.1	Make limited use of 2D and 3D software to design and model engineered products  [0 1 2 3 4 5 6 7 8]	Make reasonable use of 2D and 3D software to design and model engineered products  [9 10 11 12 13 14 15 16]	Make appropriate and effective use of 2D and 3D software to design and model engineered products  [17 18 19 20 21 22 23 24]				
2.1	Produce drawings that have limited detail and lack accuracy Limited attempt to comply with specified British and International standards  [0 1 2]	Produce reasonably detailed and fairly accurate drawings to specified British and international standards  [3 4]	Produce fully detailed and accurate drawings to specified British and International standards  [5 6]				
3.1	Produce limited-quality presentation drawings, which attempt to communicate design intentions  [0 1 2]	Produce sound and reasonably good-quality presentation drawings, which communicate design intentions  [3 4]	Produce realistic and high-quality presentation drawings, which clearly communicate design intentions  [5 6]				
4.1	Limited attempt at selecting appropriate materials and processes when designing for manufacture, with some limited testing and simulation of design ideas  [0 1 2 3 4]	Select the appropriate materials and processes when designing for manufacture, with some testing and simulation of design ideas  [5 6 7 8]	Select the most appropriate materials and processes when designing for manufacture, with appropriate testing simulation and modification of design ideas  [9 10 11 12]				

Marking Criteria – total marks for this unit is 60						Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			Mark	
5.1	Some attempt to plan and carry out research to identify and evaluate a limited range of applications of CAD/CAM within design and manufacturing systems  <b>[0 1 2]</b>	Plan and carry out reasonably detailed research to identify and evaluate a range of applications of CAD/CAM within design and manufacturing systems  <b>[3 4]</b>	Plan and carry out detailed research to identify and evaluate a wide range of applications of CAD/CAM within design and manufacturing systems  <b>[5 6]</b>				
6.1	Some attempt to plan and carry out research to identify and evaluate a limited range of applications of concurrent engineering within design and manufacturing systems  <b>[0 1 2]</b>	Plan and carry out reasonably detailed research to identify and evaluate a range of applications of concurrent engineering within design and manufacturing systems  <b>[3 4]</b>	Plan and carry out detailed research to identify and evaluate a wide range of applications of concurrent engineering within design and manufacturing systems  <b>[5 6]</b>			Mark	
<b>Total/60</b>							
If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	<b>2</b>	<b>0</b>	Please tick to indicate this work has been standardised internally	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website ([www.ocr.org.uk](http://www.ocr.org.uk)).

### Guidance on Completion of this Form

- 1 One sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60. Enter this total in the relevant box.