

TE251 PRODUCT DEVELOPMENT ASSIGNMENT 2 MARKING CRITERIA (DRAWING) (Semester 2 2014)

NAME: _____ ID NO.: _____

FACET OF RESEARCH	ELEMENT	EXCELLENT(4)	PROFICIENT(3)	AVERAGE(2)	POOR(1)
<i>A. Students embark on inquiry and so determine a need for knowledge / understanding</i>	SETTING UP OF DRAWING SHEET	Is able to set up a drawing sheet with a border and a title block without any assistance, displaying a high level of skills, knowledge and ability	Is able to set up a drawing sheet with a border and a title block with some assistance, displaying a satisfactory level of skills, knowledge and ability	Is able to set up a drawing sheet with a border and a title block with some assistance, displaying a lack of skills, knowledge and ability	Shows little to no ability to set up a drawing sheet with a border and a title block
<i>B. Students find / generate needed informational data using appropriate methodology</i>	RESEARCH VISUALS/IMAGES	Provide 12 excellent & well researched visuals with citations	Provide 12 good researched visuals with some citations	Provide 12 reserched visuals with a few citations	Provide Less than 12 visuals with little/ no citations
<i>C. Students critically evaluate informational data and the process to find / generate this information / data</i>	FREEHAND SKETCHES (TECHNIQUE)	The features show outstanding proportion and size. The features show outstanding proportion and size.	The features show satisfactory proportion and size. The features show satisfactory proportion and size.	The features show poor proportion and size. The features show poor proportion and size.	The features show very little or no proportion The features show very little or no proportion
	FINAL DESIGN	Final design achieved after review of reasonable alternatives	Alternative approaches identified to some degree.	Serious deficiencies in exploring and identifying alternative designs.	Only one design presented or clearly infeasible alternative given
<i>D. Students organise information collected / generated</i>	POSSIBLE SOLUTIONS	8 Excellent Possible solutions presented	8 Good Possible solutions presented	5-7 Adequate Possible solutions presented	Less than 5 possible solutions presented
<i>E. Students synthesize and analyse and apply new knowledge</i>	SELECTION MATRIX	Detail & Precise selection matrix. 3 excellent possible solutions produced	Detail selection matrix 3 possible solutions produced	Adequate selection matrix 3 possible solutions produced	Irrelevant selection matrix Less than 3 possible solution produced
	INSTRUMENT /CAD (TECHNIQUE)	The drawings display the correct use of drawing instruments and an outstanding application of drawing methods and techniques.	The drawings display the correct use of drawing instruments and a satisfactory and mostly correct application of drawing methods and techniques.	The drawings display the correct use of drawing instruments and a poor and often incorrect application of drawing methods and techniques.	The drawings display an incorrect use of drawing instruments with incorrect applications of drawing methods and techniques
<i>F. Students communicate knowledge and the processes used to generate it, with an awareness of ethical social and cultural issues</i>	FINAL SOLUTION ORTHOGRAPHIC	The views meet the minimum requirements and have no/a few errors.	The views meet most of the minimum requirements but contain some errors.	The views contain less than the minimum requirements and contain many errors.	Little or no evidence of the required views
	PICTORIAL DRAWING	Pictorial view meets the minimum requirements and has no/a few errors.	Pictorial view meets most of the minimum requirements but contain some errors.	Pictorial view contains less than the minimum requirements and contains many errors.	Little or no evidence of the required Pictorial view
	LAYOUT AND CORRECTNESS OF FINAL	80 -100%	60 -79%	40 -59%	< 39%

	SOLUTIONS					
	OVERALL PRESENTATION OF FINAL SOLUTION	Drawings are very neat and all line work/line quality, printing and dimensioning are outstanding and consistent.	Drawings are neat and line work/line quality, printing and dimensioning are generally good and mostly consistent.	Drawings are untidy with inconsistent line work/line quality, printing and dimensioning.	The line work/line quality, printing and dimensioning are unacceptable	
TOTAL						

Total score:/44..... 15% = Markers Initial:

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