

AS91342 - Standard Breakdown

Develop a product design through graphics practice - 6 credits - Internal

Standard	What will you do?
<i>Achieved</i> Develop a product design through graphics practice. <i>exploring and refining design ideas that draw on product design knowledge.</i> <i>making design judgements on the positive and/or negative aspects of aesthetic and functional features of the design in response to a brief.</i>	● Research what different types of lighting there are. ● Product analysis of existing lighting designs. ● Write a design brief and specification based on client needs and requirements. ● Concept sketches for the type of lighting that your client needs. ● Label your designs with main points, design elements, details. ● Development of design ideas that look at more than one direction of your concepts. ● Explain why you have chosen these directions to develop. ● Write notes with your design work that explain - your decisions, how your design looks and how it works. ● Research about materials and construction methods that would be possibly used in your design ideas. ● Draw your design developments in context to where they will be used. ● Research ergonomics, how people use lighting and the sizes needed in relation to people. Use this information to draw your designs in relation to people using them. ● Draw final designs for your lighting - as a cross sectional view, an exploded view and a 3D rendered view.

	• Research what kind of light source would be suitable for your design and the required brightness for the job it has to do. • Research how you will power your design and draw in your developments how this will be included in the design work. • Make a final model of the lighting design. • Evaluate your final design. You can do this by comparing it to your initial specification points and by getting the opinion of your client.
Merit Clearly develop a product design graphics practice. <i>reviewing and refining design ideas that incorporate product design knowledge.</i> <i>making design judgements on relevant features of the design, in response to the brief, that inform the progression of design ideas.</i>	Achieved plus :- • Draw your design developments using more than one technique - outside in 3D, 2D cross sectional views showing the insides, 3D exploded views showing all components and how they fit together, detailed drawings of small areas. • Explain how the changes in your design developments improve your design work and how they fulfill the design brief. • Ensure that there are analysis notes with all areas of design and development, explaining what you have done, why you have done it and the effect those decisions have had. • Highlight the good and bad points of each design.
Excellence	Achieved and Merit plus :-

Effectively develop a product design through practice.

*reviewing and refining
well-considered design ideas that
integrate product design knowledge
throughout the development.*

- Constant analysis of design work and showing the thought processes along the way.
- Showing in your design work how you have reacted to the ongoing analysis.