

Introduction to CAD: Learn Fusion 360 in 90 minutes Course Challenge

Find an image on the web of a lamp shade that looks interesting to you and recreate its geometry. This can be any style shade using any technique available in Fusion 360.

Design Criteria: A custom lamp shade design is required for an upcoming product review meeting. Design teams were asked to find current shades and replicate their geometry as starting points for new design. The replicated design should have the following specifications:

- Overall length under 500mm
- Diameter of the shade under 200mm

Sharing your design for review: To share your design for review a detailed drawing exported as a PDF must be created. The detail drawing should include various dimensions of the lamp shade to ensure it meets the design criteria. Hint: Expand the “Sketches” folder in the drawing browser and use the lamp shades sketch to help dimension it. Title block information should be filled in detailing the date, created by and any other applicable information. One of the views should be done using the “shaded” style to show any applied appearances.

Grading Rubric:

1. **Yes/No:** Was the design completed?
2. **Yes/No:** Did the design meet dimensional requirements?
3. **Yes/No:** Did the design include a shaded view?

Options: Design Complexity, does the design show any complex features other than a basic sketch and revolve? No(0 points), some(1 point), very complex(2 points).