

MECE4606 Digital Manufacturing Assignment 4 - Topology optimization

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Grace Hour: $206.5 - 73 = 133.5$



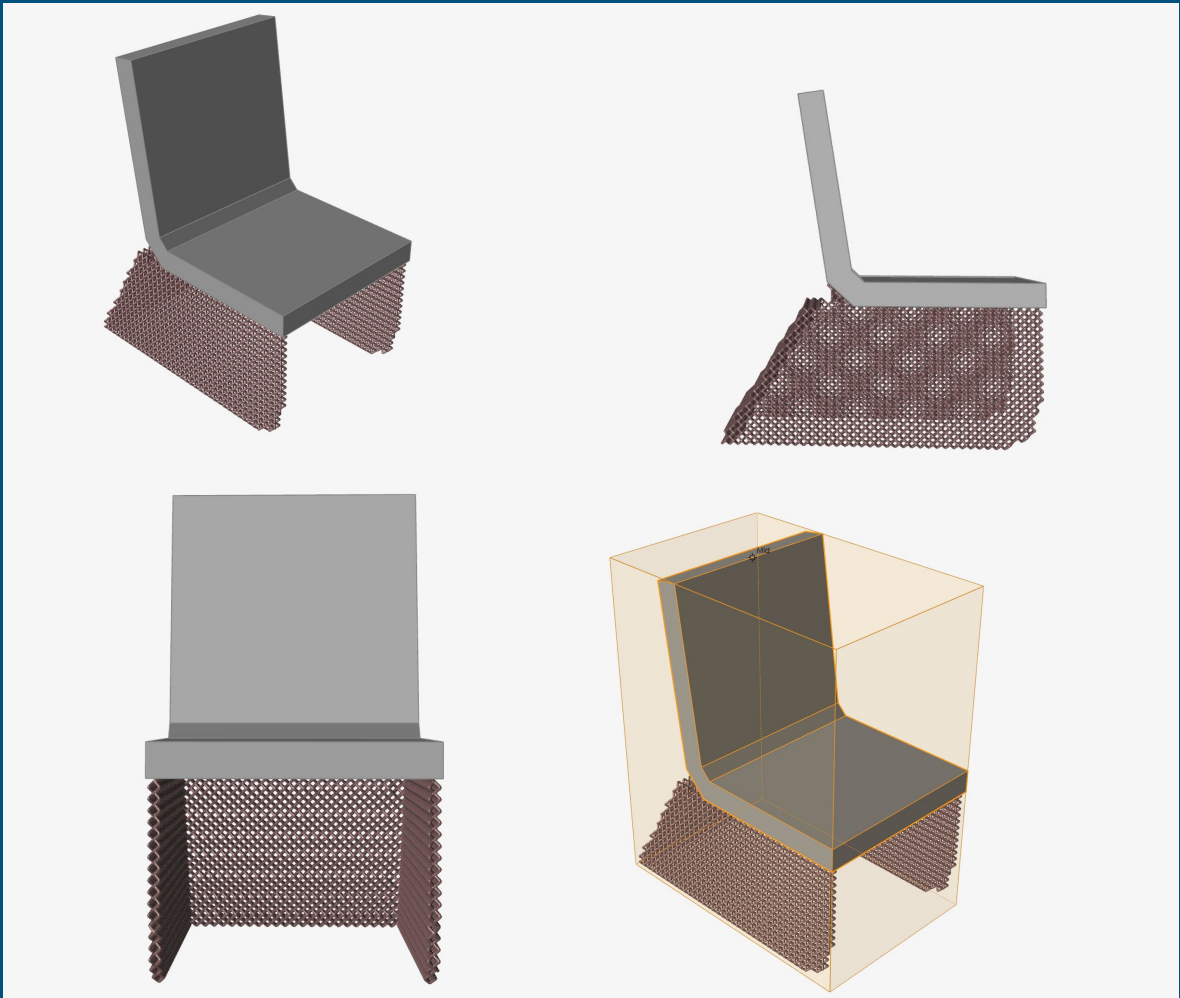
Table Specs & Photos

Length	1.524m
Width	0.6096m
Height	0.762
Weight	802.469kg



Chair Specs & Photos

Length	0.45m
Width	0.64m
Height	1m
Weight	256.979kg



Rendering with Human Figure



Points Achieved (120Pts)

10pts Cover page correct and complete

10pts Report neatly organized and formatted

10pt Desk – Reasonable specifications described in a diagram

10pt Desk – Three screenshots provided

10pt Desk – Weight calculated

10pt Chair – Reasonable specifications described in a diagram

10pt Chair – Three screenshots provided

10pt Chair – Weight calculated

10pt Rendering of desk and chair photorealistic in real context

10pt Rendering includes sitting human figure

10pt Lattice structure used

10pt Final design exported back into conventional CAD where additional features are added to the CAD model to demonstrate that the CAD model is functional