# Portfolio 3 Universal Design 4500

Fall 2016

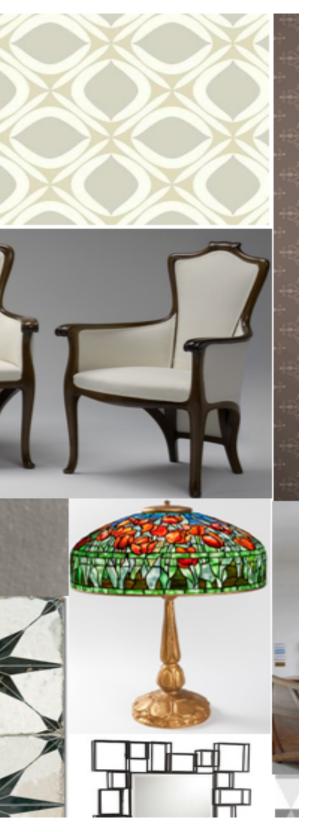
### Rachel DiGiovanni

## Assignment 7: Design Documents Plan – with furniture



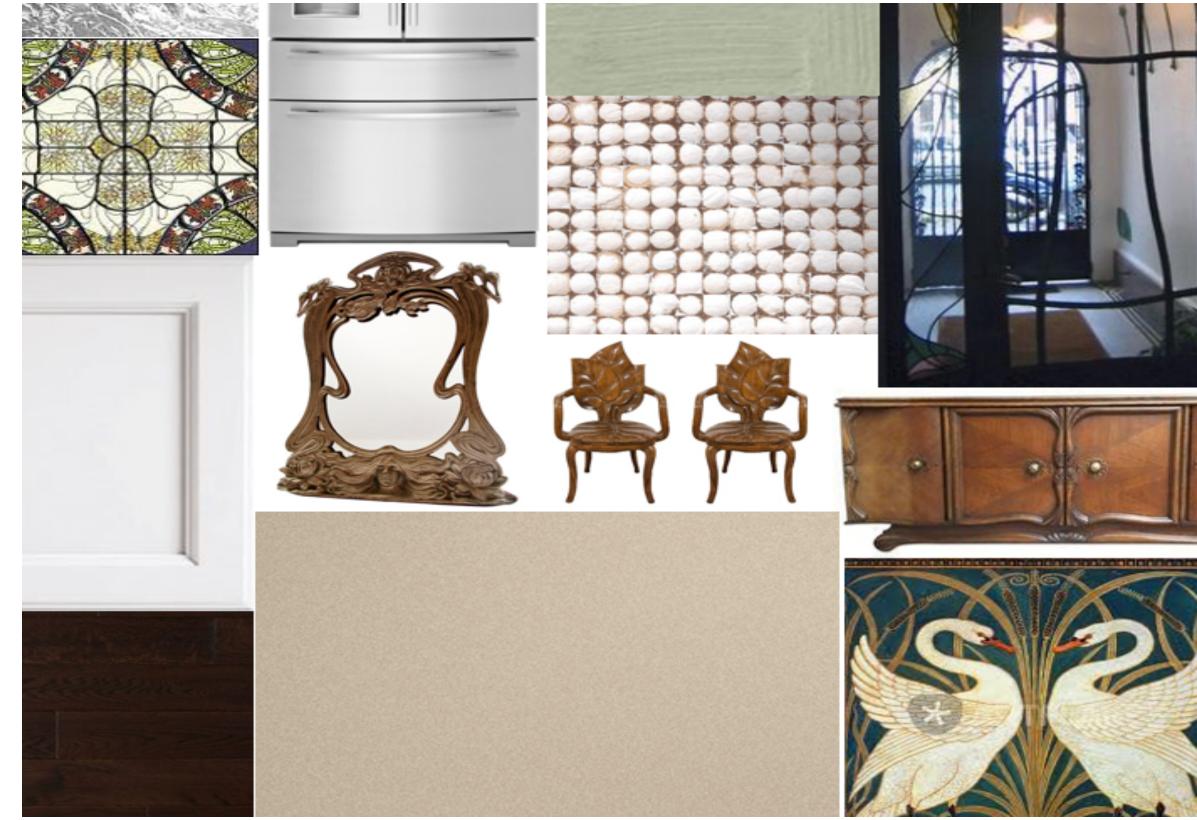
## Assignment 8: Furniture and Finishes

Option 1

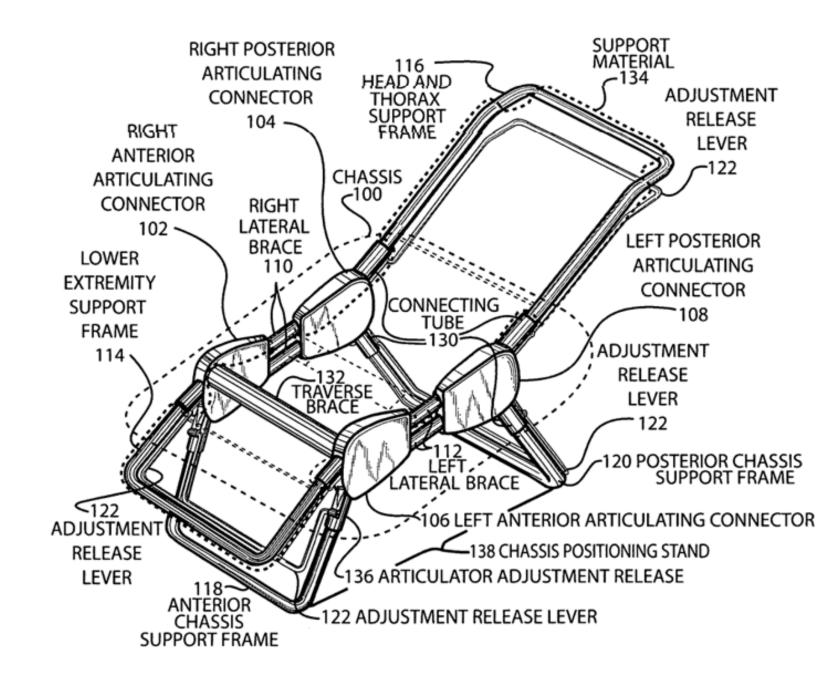


### Assignment 8: Furniture and Finishes

Option 2



# Assignment 9: Designing with Anthropometrics *Seating Unit*

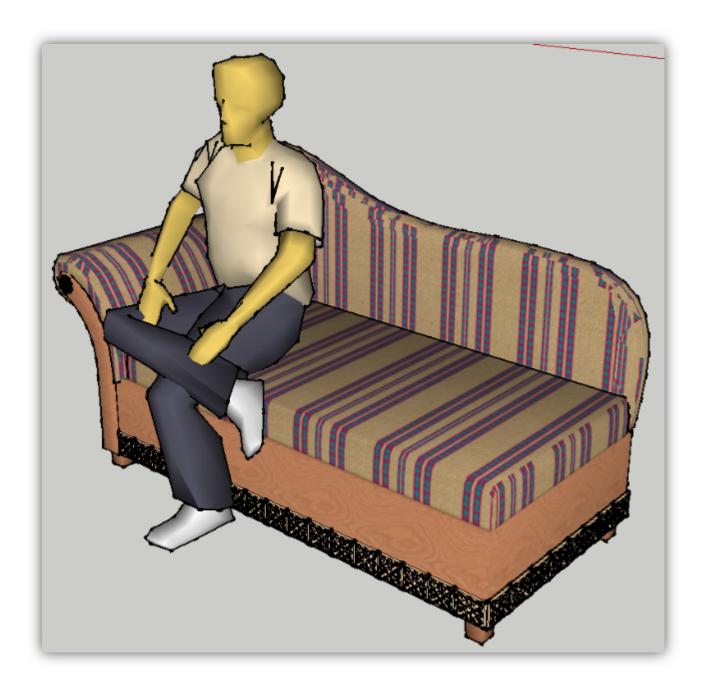


A chaise lounge designed by Le Corbusier, Pierre Jeanneret, and Charlotte Periand in 1928 has a moveable seat and adjustable headrest, and is regarded as one of the earliest examples of ergonomic design.

Aesthetics + Innovation + Ergonomics

= Timeless Design

# Assignment 9: Designing with Anthropometrics *Seating Unit-Elevations*





# Assignment 9: Designing with Anthropometrics *Seating Unit*



-A seat that supports a person in both sitting and recumbent positions.

-Headrest becomes essential

-Padding should maintain the lumbar concavity

### Assignment 10: Designing Using Historical Precedents

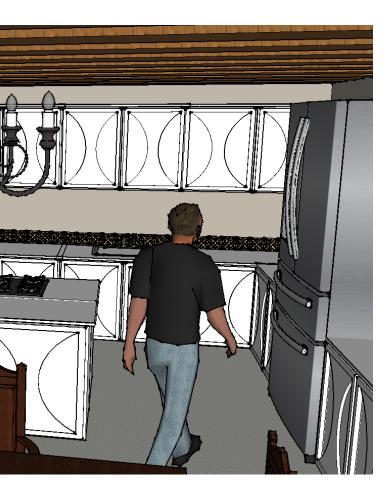
## JUGENDSTIL

A curvilinear approach to furniture design was much admired and promoted by German Art Critics.



The whiplash lines and the plant and animal motifs seen in much Art Nouveau work were abstracted, and as a result, took on an almost surreal quality.

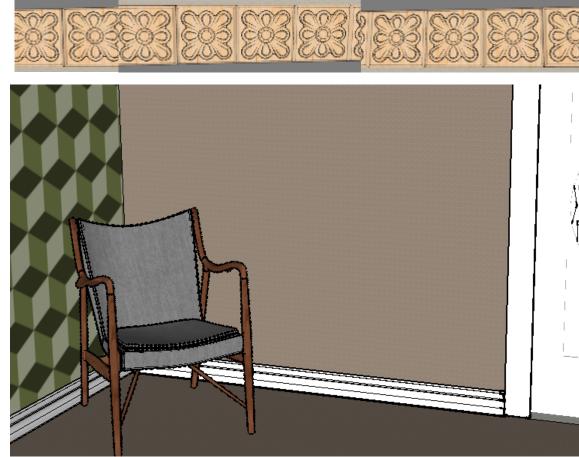


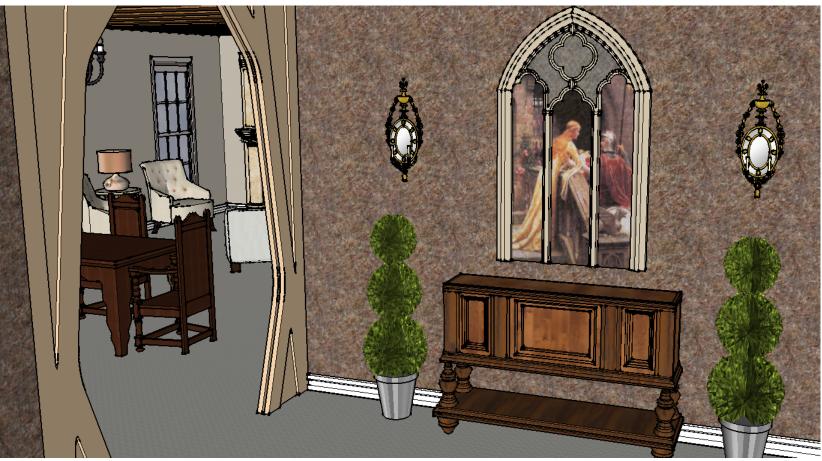


## JUGENDSTIL

Around 1897, the transformation of floral style into a more abstract geometrical style began to occur.







Flowing curvilinear elements were simplified and controlled creating an organic, ornamental, modernist style.

## Assignment 11: Designing with Human Behavior

Our environment affects us emotionally, and with a good design in place, it can also promote wellness of body and mind.

#### -Play into natural habit-forming mechanisms

Along with making the home appear larger, an open concept promotes routine. -Designing for Emotion

An open concept encourages family gatherings and spending time together either watching TV or gathered around the table.

#### -Simulate Natural Environment

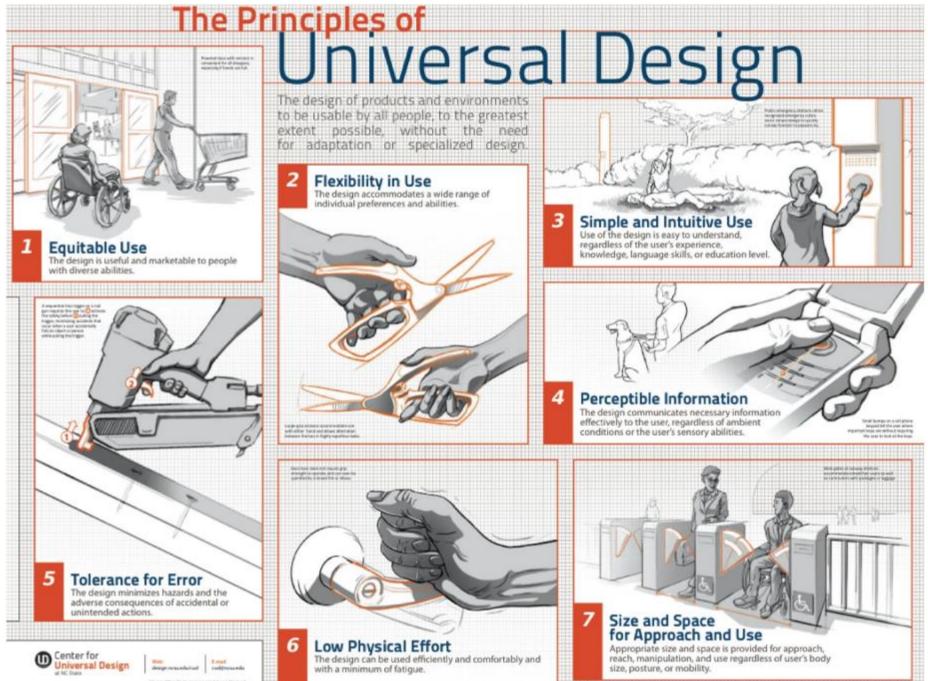
Strong wood presence. "Working in close proximity to plants improves concentration and memory retention." Wood beams featured on the ceiling not only tie into the overall warmth but can also be used to hide duct work.

#### -Spatial Perception

Not just physical: Lighting, colors and furnishings can all play together making a space either appear larger or smaller; colder or warmer.

"Universal design is the design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaption or specialized design."

"The intent of the universal design concept is to simplify life for everyone by making products, communications, and the built environment more usable by more people at little or no extra cost. The universal design concept targets all people of all ages, sizes and abilities."



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