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**ASSESSMENT TASK 1**

**Design Workbook**

**Due week: 4**

Student name: Tek Huynh

Student number: S60001164

Email address: tekhuynh@gmail.com

**Exploring 3D through Objects and Space**

**COURSE TITLE**

CUA30720 Certificate III in Design Fundamentals

**SUBJECT TITLE**

A10156 Exploring 3D through Objects and Space

**TRAINING UNITS**

A: CUAACD311 Produce drawings to communicate ideas

B: CUADES303 Explore and apply the creative design process to 3D forms

C: CUAACD312 Produce computer-aided drawings

Instructions for completing this workbook

This workbook is made up of a series of activities to be completed for Assessment Task 1.

Use the lectures and templates provided in the online classroom, your own research, and the supplied resources in order to complete the activities.

You must complete all activities in this workbook.

Include supporting documentation as an appendix with submission of this workbook.

Supporting documentation includes but is not limited to:

* Case studies
* Photographs
* References of sources of information (books/websites)
* Any additional pages added due to lack of space in workbook

**CONTENTS**

1. **The Design Brief**
2. **Analyse the Design Brief**
3. **Project Research**
4. **Creative Thinking**
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**1. The Design Brief**

Read Assessment Tasks 1 and 2 carefully.   
Refer to the Design Brief and Floor plan to answer the following sections in the Workbook.

**2. Analyse the Design Brief**

1. List the requirements of the brief in bullet points.   
   Try not to simply transfer information from the written brief. Try to break down the key requirements of the brief further by analysing the furnishing requirements, the existing physical space, the configuration, and the spatial zones.
2. Will the client be the end user? How many people will be living in the dwelling? What is the user demographic?
3. Does the client have any style, material or colour preferences?
4. What are the client’s spatial expectations?
5. Are there any obstacles or constraints you might face while working on this project?
6. Does the project have to be completed by a specific date? How will this impact your designs?
7. What types of drawings does the client request from you to communicate the designs to them?

**3. Project Research**

1. Identify and describe and least three (3) types of drawing ***methods and techniques*** that designers use to communicate their design concepts for 3D design solutions. Include images in your response.

Use the internet, books and magazines, design journals and any other research resources available to you. The research should be in the form of written information with headings and/or bullet points, images, and example drawings. Reference and list the sources and images you used, using the *Harvard Referencing Style* ([www.citethisforme.com](http://www.citethisforme.com)).

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1. Research studio apartments that showcase creative ideas for designing small spaces. Select 3 images that have inspired you and describe how each one will influence the design for your client’s space. Insert the images and description below.

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1. Research Folding Screens from 3 different styles/decades/eras, select 3 that you like and that will suit the brief for your client. Describe the decorative style and materials used. Insert the images and description below.

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**4. Creative Thinking**

1. List three (3) creative thinking techniques that can be used as part of your design process
2. Using the creative thinking techniques above, start mapping out ideas for your studio apartment design. You can include ideas that inspired you from your research above.

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1. Using the creative thinking techniques above, explore at least 4 design elements and 4 design principles that inspired you from the images of the screens you included above.

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1. Refer to your research and the above creative thinking techniques to prepare a mood board which will be your source of inspiration and design direction for both the Studio and screen designs. Include a short design/concept statement. Give your mood board a name that communicates the style and ambience you want to achieve in your designs.

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**5. Planning for drawing**

Prior to commencing drawings, you need to be prepared. Answer the following to ensure you are ready to start sketching!

1. Refer to the brief. What types of 2D & 3D drawing materials, tools and equipment will you need to use to produce hand sketch drawings for your client?
2. What types of materials, tools and equipment will you need to use to produce drawings digitally?
3. List the Work Health and Safety measures you need to take to ensure you safely use 2 of the materials, tools & equipment you listed in questions 1 & 2.
4. Go to <https://www.ipaustralia.gov.au/designs/understanding-designs/difference-between-designs-rights-and-other-ip-rights>.   
   In your own words, explain what Intellectual Property is.
5. List the common works protected by copyright.



1. How will Copyright protect your ideas and your drawings as an Interior Designer?
2. Do you need to have a contract or agreement with a client before you begin a project?
3. Are there any other legal or ethical factors that might impact on how you might undertake drawing work in your design practice?

**6. Concept Development**

**a. Thumbnail Sketches to communicate Screen design ideas.**   
Based on your brief analysis, research, and creative thinking, carry out the next stage of the design process to produce concept development sketches.

1. Using ONLY a **Pencil and Eraser (you may erase if needed)** sketch the Screen from different 2D & 3D views, using various types of lines and line weights. Include additional pages for sketches if need be.

Perspective view

Elevation - front view

Floor plan - top view view

Panel Design

1. Describe 3 characteristics of the Pencil & Eraser
2. How would you describe the quality of the sketches you achieved using these items?
3. What was your skill and ability in using these items?
4. Using ONLY a **Black Pen and a Ruler**, develop the above sketches, adding more texture detail such as shading, tone and hatching to add dimension.

Elevation - front view

Floor plan - top view view

Perspective view

Panel Design

1. Describe 3 characteristics of the Black Pen and a Ruler.
2. How would you describe the quality of the sketches you achieved using these items?
3. What was your skill and ability in using these items?
4. Using ONLY **Coloured Pencils and a Sharpener (e.g. sharpen your pencils first),** further refine the above sketches, adding render techniques to highlight design features. Apply colour to represent materials. Include dimensions to the screen.

Perspective view

Elevation - front view

Panel Design

Floor plan - top view view

1. Describe 3 characteristics of the Coloured Pencils and a Sharpener.
2. How would you describe the quality of the sketches you achieved using these items?
3. What was your skill and ability in using these items?

**b. Short Answer Questions**

Answer the following:

1. Where you able to effectively communicate your ideas using the assigned materials, tools & techniques?
2. Which combination of materials, tools & equipment was the most suitable, comfortable, and enjoyable for you to use and why?
3. Why do you think hand drawing and sketching is an essential skill for designers?
4. Do you think developing a design concept is an individual process?
5. How will your concept lead to your final design solution?
6. List 3 x Elements and 3 x Principles of Design you used to create the above thumbnail sketches

**c. Floor plan layout**

Sketch the floor plan, include dimensions, north symbol, elevation markers and room names.

Prepare at least three (3) initial sketches of various design layout ideas for the studio apartment. Include the folding screen as per the dimensions outlined in the previous task, and all of the existing furniture items mentioned in the brief using standard sizes for furniture based on the Furniture Template below.  
pasted-image.tiff(You may print this to scale 1:100 and use as a template or refer to the sizes of the shapes). Include these sketches in additional pages at the end of the workbook.

Linograph India (2021) <http://www.linographindia.com/product/furniture-template-scale-1-100-3/> (Accessed: 11 March 2021).

**Produce a 3D concept (hand model) of the screen**

1. Using your concept sketches of your Screen as a point of reference, you will create a physical 3D conceptual model.

You will produce a scaled model of your Screen using simple found materials to describe your design solution.   
Use as many of the experimentationtechniques listed below to explore and challenge a range of different ideas:

* size
* stitching
* stretching
* symmetry, asymmetry, balance
* tone
* twisting
* bending
* binding
* cutting
* folding
* mass
* moulding and modelling
* pasting and taping
* positive and negative forms
* proportion
* relationships of form to form and form to space
* rhythm
* shape

1. Make adjustments to the model as you produce it, in order to improve the design. Include a scaled human standing next to the screen.
2. Mount your model on a foam core or cardboard base with a title block with your name, project name and scale used.
3. Take photographs of the model:

* 3 x photos at various stages of production
* 3 x photos at various angles once finished.
* Describe what techniques you used to produce your hand model.
* Explain how you created form and space in your model and the relationships between them.

1. Prepare for Submission and Concept Presentation

For assessment Task 1, submit the following:

1. Complete Assessment Task 1 Workbook
2. Combine all your work in one presentation:
   1. Mood board with short design/concept statement and title
   2. 3 x options of 2D sketches of the Floor Plan
   3. 3 x options of 3D Sketches of the Screen
   4. 6 x images of screen physical 3D model
3. **References**

You must list *all*sources of information in the ‘references’ section of this workbook. Include books, websites, magazines, or any other sources of information you have gathered in order to complete your assessment task. APC use the *Harvard Referencing Style* ([www.citethisforme.com](http://www.citethisforme.com))

See additional resource for referencing requirements

**8. Additional Pages**

You may insert additional pages as evidence at the end of the workbook if necessary