

Updates on Assessment can be found in:

<https://miatedjosaputro.com/2020/02/22/nbu-dg-assessment-document/>

## 1 ASSESSMENT BRIEF

MODULE: DIGITAL ARCHITECTURE, NINGBO UNIVERSITY

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10 April 2020

This document contains overall description and relevant information of the assessments. There are two assessments in total, and it is advised for you to have a read of the individual assessment briefs. Please note that the assessments are uniquely designed to fit to this challenging time of COVID-19 where face-to-face learning (*including real-life making which I envisaged previously*) is unlikely.

The learning outcomes (LOs) was communicated in Week 1, as follow. The design of assessments is hinged from the communicated LOs.

LO	Learning Outcome	Assessment Criteria	Way to accessed	Related to skills and PS- see <i>Figure 2</i>
1	Have improved knowledge of historical perspective and current development in the fields.	Engaged in discussions through weekly forum post. Work demonstrates research on current development.	Forum posts Assessment 1 Assessment 2	S3
2	Understand related important concepts and terminology.	Work illustrates consideration and explanation related to the concepts and terminology. Work demonstrates personal interest	Assessment 1 Assessment 2	S2, S4, PS
3	Be able to critically analyse case studies.	Work demonstrates research on design precedents and application of research in the project.	Assessment 1 Assessment 2	S1, S4, S5
4	Have developed relevant software skills.	Work exhibits the use of software as holistic thinking aid. Focus is on <u>process</u> rather than polished rendering.	Assessment 1	S2
5	Know strategies for effective research related to micro architecture project.	Work practices design by research through well documented research progress.	Assessment 1 Assessment 2	S1, S4
6	Effectively reflect, appraise, and evaluate peers' forum posts.	Work engages on discussion with peers.	Forum posts Assessment 1	S3
7	Have practised generating a novel three-dimensional model for micro architecture.	Work illustrates computational design approach and thinking.	Assessment 1	S2, S4
8	Have gained awareness of digital design cognition.	Work exhibits clear understanding of the use of digital design thinking through reflections. Reflections involve what works and what does not work, and takeaway from the whole semester learning.	Assessment 1 Assessment 2	S3, PS

Figure 1. LOs and how they are assessed



Figure 2. Overarching skills, communicated in Week 1

Assessments	Method of submission	Description	Method of assessment	Type	% of total grade	(Revised) deadline
Assessment 1	Group work	A group of 2-3 (minimum number of 2), with one person <b>has to</b> have access to the software.	Peer assessment	Summative	20	Week 13: 20 May 2020
Assessment 2	Reflective report	Individual work	Module facilitator assessment	Summative	60	Week 15: 3 June 2020
Forum Post	Weekly post counts	Post and peer discussions	Module facilitator assessment	Formative	20	The next Monday after each week's lecture.

Figure 3. Assessment method

**OUTLINE OF TASKS:**

Rationale of the assessment tasks: As you are learning through week-by-week topic, you should be starting to gather ideas related to computational design. This module is just an introduction of the area so you can pursue your individual interest based on it, in the future. From your Week 6 forum posts, I believe that you do not have prior knowledge of this field in design research in your study. The design of assessments tries to address (and practice) important concepts of the area.

The design of Assessment 1 changed slightly due to the online nature of the learning and through the quick poll (response rate 30 out of 35 students) that approximately 40% of you have access to the software. The group is formed of at least one person who has access to the software, and the list of

group names needs to be submitted before **Friday, April 17<sup>th</sup>**. The list of names should be submitted in this format, please note that there might be a slight change to accommodate everyone on the final list.

	Description	Name	Student ID
Member 1:	The one <u>with access to software</u>		
Member 2:	Serving as consultant		
Member 3: (if there is)	Serving as consultant (if there is)		

Figure 4. Format of group forming

Here is the list of names who have access to the software (teal colour cells) in Figure 5, so automatically they will be assigned as Member 1.

**GROUP FORMING**

No	Name	ID	Doodle Poll
1	[REDACTED]	W15511001	
2	[REDACTED]	F15411004	Group 1
3	[REDACTED]	F15411005	
4	[REDACTED]	F15411006	
5	[REDACTED]	F15411027	Group 2
6	[REDACTED]	F16411010	Group 3
7	[REDACTED]	F16411017	Group 4
8	[REDACTED]	F16411008	Group 5
9	[REDACTED]	F16411049	
10	[REDACTED]	F16411006	Group 6
11	[REDACTED]	F16411064	
12	[REDACTED]	F16411058	
13	[REDACTED]	F16411066	
14	[REDACTED]	F16411005	
15	[REDACTED]	F16411030	
16	[REDACTED]	F16411024	
17	[REDACTED]	F16411016	
18	[REDACTED]	F16411035	
18	[REDACTED]	F16411035	
19	[REDACTED]	F16411018	Group 7
20	[REDACTED]	F16411014	Group 8
21	[REDACTED]	F16411047	
22	[REDACTED]	F16411019	
23	[REDACTED]	F16411032	
24	[REDACTED]	F16411027	
25	[REDACTED]	F16411042	Group 9
26	[REDACTED]	F16411012	
27	[REDACTED]	F16411039	Group 12
28	[REDACTED]	F16411037	
29	[REDACTED]	F16411021	
30	[REDACTED]	F16411004	Group 10
31	[REDACTED]	F16411074	
32	[REDACTED]	F16411072	
33	[REDACTED]	F16414070	
34	[REDACTED]	F16411065	Group 11
35	[REDACTED]	F16411076	

Figure 5. List of 'Member 1' and their respective groups\_v2

You are expected to design a moveable sitting pod for 2-3 people, with no more than 3x3m footprint. As mentioned before, this is the chance for you to practice the computational design with for peers. Member 1 will have chance to explore concepts such as algorithmic thinking, associative relationships, and concepts we have narrowed down in the [Week 7 lecture](#) using the software. Member 2 and 3 will serve as consultant(s), perhaps better described as the research team in Figure 6, with individual agenda. You are expected to share your experience with your group mates. The group dialogue consists of sharing the ideas and research to formulate the final design through collaboration among group members, and also the dialogue on your individual tasks. All dialogue will have to be recorded and communicated to module convenor before systematic peer assessment is conducted. More detailed information and steps can be found in **Assessment 1 Brief Document**.

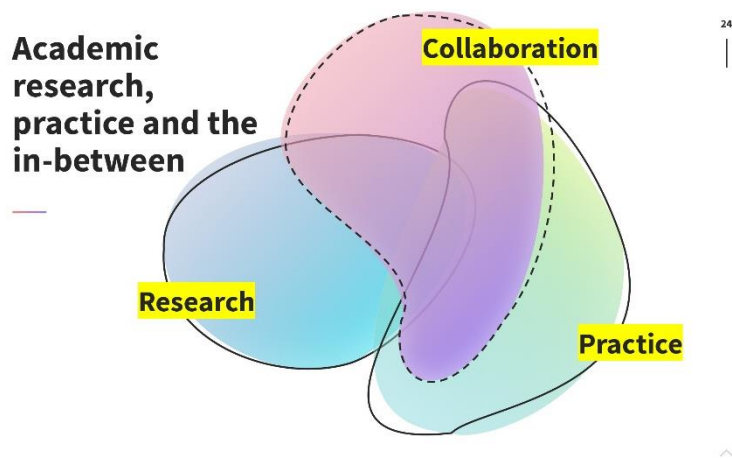


Figure 6. Collaboration between research and practice explored in Week 3

Re [Assessment 2](#). In this second assessment, you are asked to produce 2000 words of reflective report. Once you are done with Assessment 1, you should have a better idea of how different the digital design thinking is compared to your previous practice. This written assessment comprises of your reflection of: your learning through the engagement with materials, your experiential learning through the work group and your personal take on the field. It includes which aspects work and which do not. More detailed information and steps can be found in **Assessment 2 Brief Document**. Please note that Harvard Referencing (which can be found in [Week 1](#)) is used in all submitted assessments, submissions will go through plagiarism checker and plagiarism will result in academic misconduct meeting.