Semester 1 Term 1 [3 Jan – 10 Mar]					
Week 1	Start Smart Program		-		
[2 Jan – 6 Jan]					
Week 2	Start Smart Program		-		
[9 Jan – 13 Jan]					
Week 3	• Class Admin.	- Gantt chart	-		
[16 Jan – 20 Jan]	National Exam coursework syllabus	- Theme			
18-Jan (Wed) timetable	briefingRelease of Coursework QP	definition, - Mood board			
replaced with Monday		- Widdu board			
timetable	Project theme analysis				
CNY celebrations,	Start of Coursework				
20 Jan (Fri)	Overall Project Planning				
	Analysis of theme				
Week 4	Coursework	- Mindmap	-		
[23 Jan – 27 Jan]	 Analysis of theme 	- Identification of			
	 Needs Analysis 	problem			
CNY, 23 Jan (Mon) &		situations			
24 Jan (Tue) Week 5	Coursework	- Identification of	_		
[30 Jan – 3 Feb]	Needs Analysis	problem			
[0000 0.00]	Selection of Chosen Situation	situations			
HBL A, 1 Feb (Wed)		- Decision matrix			
	HBL assignment	for chosen			
	 Theory revision on Design Process / 	problem			
	Mechanisms	situation			
	 Continuation of coursework assignments 				
Week 6	Coursework	- Existing	-		
[6 Feb – 10 Feb]	 Research on Chosen Situation 	products			
	- Existing Products	analysis			
	- Survey and Survey Results,	- Survey and			
		survey results summary			
Week 7	WA1 Written Test	- User &	WA1 –		
[13 Feb – 17 Feb]	Coursework	Environment	Written Test		
	Research on Chosen Situation	analysis	Topics:		
WA1 (Part 1)	- Target User	- Stating of design	Design		
on 15 Feb (Wed)	- Environment	brief	Process, Mechanisms,		
	 Design Brief 	- Identify design	Electronics		
	 Design Considerations & Constraints 	considerations &	LICCH OTHES		
	 Design Specifications 	constraints			
		- Stating of design			
		specs.			

Week 8 [20 Feb – 24 Feb] Week 9	 Error Analysis WA1 Written Paper Coursework Idea Conceptualisation Coursework 	- Ideation	-
[27 Feb – 3 Mar] WA1 (Part 2) on 1 Mar (Wed)	 Idea Conceptualisation Evaluation of Ideas (Chosen Idea) 	- Decision matrix for chosen idea	
Week 10 [6 Mar – 10 Mar]	 Coursework Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics 	 Exploration of Forms & Functions Critical dimensions & sizing Anthropometry & Ergonomics considerations 	-
Term 2 [20 Mar – 26	May]		
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [20 Mar – 24 Mar] HBL B, 22 Mar (Wed)	 Coursework Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Design Process / Electronics Continuation of coursework assignment 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations	-
Week 2 [27 Mar – 31 Mar]	 Coursework Mock-ups Testing & Evaluation of Mock-ups 	Mock-ups makingTesting & Evaluation of mock-ups	-
Week 3 [3 Apr – 7 Apr] HBL C, 5 Apr (Wed) Good Friday, 7 Apr	 Coursework Mock-ups Testing & Evaluation of Mock-ups HBL assignment Theory revision on Design Process / Structures Continuation of coursework assignment 	- Mock-ups making - Testing & Evaluation of mock-ups	-

Week 4 [10 Apr – 14 Apr]	 Coursework Development of Chosen Idea Types of Technology (if applicable) Choice of Materials Colour Options Methods of Construction & Assembly 	 Application of technology (if relevant) Proposed materials choice Proposed colour scheme Methods of construction and assembly consideration 	
Week 5	Coursework	- Parts drawing	-
[17 Apr – 21 Apr] Oral Prelims for S4/5 on 19 Apr (Wed)	Details for PrototypingWorking drawings	OrthographicProjectionExploded view	
			1442
Week 6 [24 Apr – 28 Apr] WA2 (Part 1) on 26 Apr (Wed)	 Coursework Details for Prototyping Material List Presentation drawing 	Material ListPresentationDrawing	WA2 – Written Test Topics: Design Process, Mechanisms,
Hari Raya Puasa, 24 Apr (Mon)	WA2 Written Test		Electronics, Structures
Week 7	Error Analysis WA2 Written Paper	- Material List	-
[1 May – 5 May]	Coursework	- Presentation	
Labour Day, 1 May (Mon)	Details for Prototyping- Material List- Presentation drawing	Drawing	
Oral Prelims for S4/5 on 3 May (Wed)			
Week 8	Coursework	- Production	-
[8 May – 12 May] WA2 (Part 2) on 10 May (Wed)	 Production Planning Prototyping * Students to bring along their aprons 	schedule	
Week 9	Coursework	- Prototype	-
[15 May – 19 May]	Prototyping		
HBL D, 17 May (Wed)	 HBL assignment Theory revision on Mechanisms / Electronics Continuation of coursework assignment * Students to bring along their aprons		

Week 10	Coursework	- Prototype -
[22 May – 26 May]	 Prototyping 	
	* Students to bring along their aprons	
June Holidays	Coursework	- Prototype -
Lesson	 Prototyping 	- Prototype
Wk 1&4 (TBC)	 Evaluation of prototype 	evaluation
, ,	 Presentation Boards Update 	- Presentation
		Boards
	* Students to bring along their aprons	

^{*}This subject overview is tentative and is subject to changes.