Term 1 [3 Jan – 10 Mar]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment
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] 18-Jan (Wed) timetable	 National Exam coursework syllabus briefing Release of Coursework QP 	Theme definition,Mood board	
replaced with Monday timetable	 Project theme analysis 	Widou board	
CNY celebrations, 20 Jan (Fri)	 Start of Coursework Overall Project Planning Analysis of theme 		
Week 4	Coursework	- Mindmap	-
[23 Jan – 27 Jan] CNY, 23 Jan (Mon) &	Analysis of themeNeeds Analysis	- Identification of problem situations	
24 Jan (Tue)		Situations	
Week 5	Coursework	- Identification of	-
[30 Jan – 3 Feb]	 Needs Analysis 	problem	
	 Selection of Chosen Situation 	situations	
HBL A, 1 Feb (Wed)		- Decision matrix	
	HBL assignment	for chosen	
	 Theory revision on Mechanisms 	problem	
	 Continuation of coursework assignments 	situation	
Week 6	Coursework	- Existing	_
[6 Feb – 10 Feb]	Research on Chosen Situation	products	_
[O.CD TO.ED]	- Existing Products	analysis	
	- Survey and Survey Results,	- Survey and	
	Survey and Survey Nesans,	survey results	
		summary	
		,	
Week 7	Coursework	- User &	-
[13 Feb – 17 Feb]	 Research on Chosen Situation 	Environment	
	- Target User	analysis	
WA1 (Part 1)	- Environment	- Stating of design	
on 15 Feb (Wed)	o Design Brief	brief	
	Design Considerations & Constraints	- Identify design	
	 Design Specifications 	considerations &	
		constraints	
		- Stating of design	
		specs.	

Term 1 [3 Jan – 10 M	Term 1 [3 Jan – 10 Mar]				
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment		
Week 8 [20 Feb – 24 Feb]	CourseworkIdea Conceptualisation	- Ideation	-		
Week 9 [27 Feb – 3 Mar] WA1 (Part 2) on 1 Mar (Wed)	 WA1 Written Test Coursework Idea Conceptualisation Evaluation of Ideas (Chosen Idea) 	IdeationDecision matrix for chosen idea	WA1 – Written Test Topics: Design Process & Mechanisms		
Week 10 [6 Mar – 10 Mar]	 Error Analysis WA1 Written Paper 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 	- Exploration of Forms & Functions - Critical dimensions &	-
	 HBL assignment Theory revision on Electronics Continuation of coursework assignment 	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	Coursework	- Mock-ups	-
[3 Apr – 7 Apr]	Mock-ups Tasking 0.5 all all and 1.0 all and 1.0 all all all all all all all all all al	making	
HBL C, 5 Apr (Wed)	 Testing & Evaluation of Mock-ups HBL assignment 	- Testing & Evaluation of mock-ups	
Good Friday, 7 Apr	Theory revision on Design ProcessContinuation of coursework assignment		
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	Details for PrototypingWorking drawings	OrthographicProjectionExploded view	
on 19 Apr (Wed)			
Week 6 [24 Apr – 28 Apr] Hari Raya Puasa, 24 Apr (Mon)	 Coursework Details for Prototyping Material List Presentation drawing 	- Material List - Presentation Drawing	

Term 2 [20 Mar – 26	Term 2 [20 Mar – 26 May]			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment	
Week 7 [1 May – 5 May] Labour Day, 1 May (Mon) Oral Prelims for \$4/5	 Coursework Details for Prototyping Material List Presentation drawing 	- Material List - Presentation Drawing		
on 3 May (Wed)		5 1	14/40	
Week 8 [8 May – 12 May] WA2 (Part 2) on 10 May (Wed)	 WA2 Written Test Coursework Production Planning Prototyping * Students to bring along their aprons 	- Production schedule	WA2 – Written Test Topics: Design Process Electronics Mechanisms	
Week 9 [15 May – 19 May] HBL , 17 May (Wed)	 Error Analysis Written Paper Coursework Prototyping HBL assignment Theory revision on Design Process Continuation of coursework assignment * Students to bring along their aprons 	- Prototype	-	
Week 10	Coursework	- Prototype		
[22 May – 26 May]	Prototyping* Students to bring along their aprons	,,		
June Holidays Lesson Wk 4 (TBC)	 Coursework Prototyping Evaluation of prototype Presentation Boards Update * Students to bring along their aprons	- Prototype - Prototype evaluation - Presentation Boards		

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