

Week	Topic	Content	Activities	Assignment	Remark/Resources
1	1. Subject Introduction	<ul style="list-style-type: none"> <li>▪ Introduction of the teaching syllabus</li> <li>▪ Subject regulations</li> <li>▪ Subject related activities</li> </ul>	-	-	<ul style="list-style-type: none"> <li>▪ Presentation file</li> <li>▪ Students learning file</li> </ul>
	2. Graphic communication	<ul style="list-style-type: none"> <li>▪ Introduction to CAD program &lt;SketchUp&gt;</li> <li>▪ Installation of the program</li> <li>▪ Viewing tools and 2D drawing tools</li> </ul>	<ul style="list-style-type: none"> <li>▪ Drawing practise</li> </ul>	<ul style="list-style-type: none"> <li>▪ 2-D CAD exercise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> <li>▪ Web-resources</li> </ul>
2	Computer-aided graphic design (2)	<ul style="list-style-type: none"> <li>▪ Manipulation Tools in &lt;SketchUp&gt;: Select, Eraser, Tape measure, Protractor, measurement</li> <li>▪ 3D drawing tool</li> </ul>	<ul style="list-style-type: none"> <li>▪ Drawing practise</li> </ul>	<ul style="list-style-type: none"> <li>▪ 3-D CAD exercise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
3	Computer-aided graphic design (3)	<ul style="list-style-type: none"> <li>▪ Modification of 3D model in &lt;SketchUp&gt;</li> <li>▪ Move , Rotate , scale and copy tool</li> <li>▪ Follow-me function</li> </ul>	<ul style="list-style-type: none"> <li>▪ Drawing practise</li> </ul>	<ul style="list-style-type: none"> <li>▪ 3-D CAD exercise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
4	Computer-aided graphic design (4)	<ul style="list-style-type: none"> <li>▪ Round object in &lt;SketchUp&gt;</li> <li>▪ 3D model with curve surface</li> </ul>	<ul style="list-style-type: none"> <li>▪ Drawing practise</li> </ul>	<ul style="list-style-type: none"> <li>▪ 3-D CAD exercise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
5	Computer-aided graphic design (5)	<ul style="list-style-type: none"> <li>▪ Assembly of drawing components</li> <li>▪ Dimensioning skills</li> </ul>	<ul style="list-style-type: none"> <li>▪ Drawing practise</li> </ul>	<ul style="list-style-type: none"> <li>▪ 3-D CAD exercise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
6	Computer-aided graphic design (6)	<ul style="list-style-type: none"> <li>▪ Introduction to design project: Lego-character design</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design work</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design project</li> </ul>	<ul style="list-style-type: none"> <li>▪ Project guideline</li> </ul>
7	Computer-aided graphic design (7)	<ul style="list-style-type: none"> <li>▪ Presentation of design project</li> <li>▪ Course evaluation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Project presentation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Computer game design</li> </ul>	<ul style="list-style-type: none"> <li>▪ Mark sheet</li> <li>▪ Course evaluation material</li> </ul>

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8	Design Process	<ul style="list-style-type: none"> <li>▪ Introduction to design Process</li> <li>▪ Introduction to Design Project: Stationery stand</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design work</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	<ul style="list-style-type: none"> <li>▪ Artefact of design project</li> <li>▪ Example of design folio</li> <li>▪ Project guideline</li> </ul>
9	Production skills in DT(1)	<ul style="list-style-type: none"> <li>▪ Workshop safety</li> <li>▪ Common hand tools:               <ol style="list-style-type: none"> <li>1. holding tools</li> <li>2. Cutting tools</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Hand-on practice</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
10	Production skills in DT(1)	<ul style="list-style-type: none"> <li>▪ Basic production skills:               <ol style="list-style-type: none"> <li>1. finishing skills of different materials</li> <li>2. properties of different materials</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Hand-on practice</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> </ul>
11	Production skills in DT(1)	<ul style="list-style-type: none"> <li>▪ Basic craft skills               <ol style="list-style-type: none"> <li>a. Drilling</li> <li>b. Gluing</li> <li>c. Bending of plastics</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Hand-on practice</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	<ul style="list-style-type: none"> <li>▪ Worksheet</li> <li>▪ Wired control-pad components</li> </ul>
12	Realization of design project	<ul style="list-style-type: none"> <li>▪ Production of design project</li> </ul>	<ul style="list-style-type: none"> <li>▪ Project Realization</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	
13	Realization and testing of design project	<ul style="list-style-type: none"> <li>▪ Testing and modification of design project</li> </ul>	<ul style="list-style-type: none"> <li>▪ Project Realization</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> <li>▪ Testing report</li> </ul>	
14	Evaluation of design project	<ul style="list-style-type: none"> <li>▪ Analysis and evaluation of design project</li> <li>▪ Course evaluation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Competition</li> </ul>	<ul style="list-style-type: none"> <li>▪ Design folio</li> </ul>	<ul style="list-style-type: none"> <li>▪ Mark sheet</li> <li>▪ Evaluation form</li> </ul>