Engineering Drawing	(Arts3)		
Books Course Information			
Course Number	02005066	Rubbant Catagory	ComoulsoviGi
Class Format	Lecture	Credit Type and Number of Credits	4
Constituent	Computer	Shuderit Celenory	Year 3
Seried of Streets	Semester 1	Channel over Minals	1
Required Materials	Basic Art Equipments / load, tablet or laptop is	others devices that can use BASIC TINKERCAD as	nd Sketch-up)
Indication	Ai Parichet Tanboon	Ai Pattaraiarin Fakohou	
Course Obtacilies			•

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time design side, way good unindestroke side. The mealsh drow positive removals and the side of the s	
Art in Daily Life! History of based from each class performance), can apply the elements of art. Virus elements are. The work directly to the question. Can apply the peliments of art. Virus elements are.	its are good But the I. Try to develop a new
arranged and show the intention that from concentration through the works.	visual elements to is ore detail will help to
Special Engineering Deswings: Excellent works understand all the objectives But Resulted show good, resoundeleness, and special for provides that heaves, The results show force; The consists of fact or excellent trained in one to special for provides that heaves,	sonable. Able to acci complete.

	Study Art, know and understand the connection between "Art" and "Engineering", as well as able to apply knowledge to further careers, Do some ART and APPED ART works that can be benefit in dailylife also.
Class Formati	Lecture by the art media, practicing in class only ino homeworks, a small self-souty project and presentation. Teacher always give a suggestion in all formess. Given beings of class, shortfor will park some tracks about ort. design virtualistic etc., that it resenting to students and give them the chance for express their flowers of CREAT CREAT.

	Study Art, know and understand the connection between "Art" and "Engineering", as well as able to apply knowledge to further careers. Do some ART and APPED ART works that can be benefit in diablife also.			
Class Fermati Planes Note :	Lecture for the art mode, producer in class cub to homework, a small self douby order only presentation. Takehar devises a suggestion in all homest, the class of the companies			
			3	
Course Plan Semester 1	Contents and Mathed of Course	Goods	Related MOO	
1st week	Introduction ideal/ Survey student expectation.	Course details concern, workload and overall course assessments thought out the nemester, no well as surveying the primary needs of students. [Survey form for week 14, 15]	W-A 1 1 W-B 2 7 W-B 2 8 W-1 9 34	
2nd week	Chapter 1: ART and Engineering	Learn the connection between art and engineering. Analyzing and leading the important common points of both subsects. Make to vices' provided by facilities of both subsects. (Group Block! Worldheer) Preservation)	W-C 3 10 W-C 3 15 W-O 4 18 W-A 1 2	
and week	Origan ≥ Connecial Art 1	Studie and review commercial art such as FCAT, PCTLPS that combrent to GRAPAE, the core left into refer to commercial art. This section focus on FCAT in design, Shokkdudit: TVPG, Lipsoure and Monogram Work sheet]	W-C 3 10 W-C 3 15 W-E 5 24 W-8 2 4	
4th week	Chapter/2 Commercial Art 2	Study and review commercial art such as FCNT, PICTLRE that contine to GRIVENEL the core field that rather to the contine to GRIVENEL the core field that rather to delen cost. This is delenant bous on PICTLET and Benefity in delenance? Takksis ABP, Towar and Serker, Evans, Work (2, Crafted PICTLET) by Art Pirinfers technique (2009).	W-C 3 10 W-C 3 15 W-E 5 24 W-8 2 4	
5th week	Chasse/2 Commercial Art 3	Art Practice Class by Art Printing technique: LINO-Cut printing. [Gassa Work2: Crafted POSTER by Art Printing technique 1006]	함-R 2 7 함-C 3 14 함-C 3 15 항-A 1 2 함-A 1 2 해-A 1 2 해-C 3 10 항-C 3 15 항-C 5 19 항-C 5 19	
Oth week	Chapser3: Art in Daily Uffe 1	Accel the knowledge to innovate the new things that can be benefit in daily file; [Group Project3: 50%]		
7th week	Chicow 3: An in Delly Ufe 2	Study about Chindogs, Apoly and oreate the new one with classified Continue from 6th week group world. (Group Project3: 100%)	W-A 1 2 W-C 3 10 W-C 3 15 W-C 5 19 W-C 5 13	
8th week	Chester & Basic Picrorial Vew1	Able to analyze basis pictorial view. Practice from the dimension of Geomatric shape. By use the Folding Polyhedra, [Group Projects: Paper Crashed 50%]	#-A 1 2 #-C 3 10 #-C 3 15 #-F 5 19 #-F 5 13	
Stih week	Chazené Basi Pizovini Ven-2	Value Projection from the dimension of Geometric in the above on the February of Geometric in the above of the February of the Control of the	W-A 1 2 W-C 3 10 W-C 3 15 W-C 5 19 W-C 5 13 W-C 3 11	
10th week	Michorn E	berninston		
11th week	Chapter & Basis Engineering Drawing 1	Learn about the basis vision, reading, and \$0 diposing that are fundamental to engineering diswing in the higher year in engineering diswing. BridwidualSt Pussnial Eversion Sheed	日本 1 1 日本 1 5 日本 5 19 日本 5 13 日本 1 1 日本 1 5 日本 5 19 日本 5 19	
12th week	Chapter's Basic Engineering Drawing 2	Levernations the basis visition making and 3D devicing that are fundamental to entire retire disawhite in the halfer year in engineering drawing. Bridwiduald: Basis Pictorial Demoke Sheet1 J		
13th week	Chapter's Basic Engineering Drawing 3	Learn to create a basic 3D image using Tirker CAQ, Basic Shestich Us. Bridwidu 3D: Basic Pictorial Everose Sheet 2, 30	W-A 1 1 W-A 1 5 W-E 5 19 W-E 5 13	
14th week	Cheere G. Art n Clabs Un 3	Fire Sole Art Propert Southers have to despire their included and in a company their included and in a company their included and advantage their included and also account and give some advantage.	W-A 1 2 W-C 3 10 W-C 3 15 W-E 5 19 W-C 5 13 W-C 3 11	
15th week	ChapserG. Art in Daily Ufe 4	Acoust the increasings to innovate the new things that can be benefit in daily file. [Seaus ProjectS 505]	W-A 1 1 W-A 1 2 W-B 2 7 W-C 3 10 W-C 3 15 W-O 4 10	
16kh week	ChapserG. An in Dialy Life 5	Study about. Art activity that related to art orathed, Algoli and oration the new one with observate sContinue from 15th week stroug work. [Group Properties 100%]	W-A 1 1 1 W-A 1 2 W-B 2 7 W-C 3 10 W-C 3 15 W-O 4 10	
17th week	Chapser7. Hebory of Art 1	Learn about art around the world, especially that can be applied how to correct with engineering relevance (Applied (Group Projects) Presentation)	W-A 1 1 1 W-A 1 2 W-B 2 7 W-C 3 10 W-C 3 15 W-D 4 10	
19th week	Chapter 7: Heliony of Art 2	Art that refer to innovation from basic to future innovation. Illinus Project? Presentation / Research?	W-A 1 1 W-A 1 2 W-B 2 7 W-C 3 10 W-C 3 15 W-O 4 10	
19th week	Presentation: Conclusion all cli	assroom project to each other,		

Commettee	Presentation	Work in class	Proce	Sec.	5