Akashi College			Year	Year 2020		Course		Architectural Information Processing		
Course	Informa	tion	•	•			1-			
Course Co		0051			Course Category Specialized		alizec	d / Compulsory		
Class Forr	mat	Lecture		Credits	Academic					
Departme	ent	Architec	ture	Student Grade	3rd	3rd				
Term		Second	Semester		Classes per Wee	k 2				
Textbook Teaching										
Instructor KUDOH Kazumi										
Students (1) Under drawings. (2) To un	derstand t	ted to: process of the basic to	pics related to D	Ť	includina fiaures	and image of	creati	oftware for creating 3D on. To use this knowledge to s.		
Rubric										
			Ideal Level	Ideal Level		Standard Level		Unacceptable Level		
3D model				The student can accurately build a 3D model of a building.		The student can build a 3D model of a building.		The student can not build a 3D model of a building.		
Bitmap, V	ector Data	а	data, and vec accurately. Th	The student can use bitmap data, and vector data accurately. The student can create a poster.		The student can use bitmap data, and vector data. The student can create a poster.		The student can not use bitmap data, and vector data. The student can not create a poster.		
Layout Design				The student understands the basics of layout design and uses it accurately.				The student can not understands the basics of layout design or use it.		
		tment Ol	ojectives	(5)	it.			accign of accid		
			· 教育到達度目標 ((E)						
Teachin	g Metho									
In this course the students are stimulated to actively use the computer on learning the basics of in the field of architectural design and urban planning. The students will master the basic operation of Unitine Works 3D CAD design, to foster the routinely and basic skills of computer added design, to be a creation of drawings necessary for the architectural design exercises. The students will learn he computer graphics and the knowledge necessary to express themselves graphically.								er the basic operation of Vector led design, to be utilized in the dents will learn how to operate		
		Grading (1)Assig students ability to develope (2)DTP achiever standard	and tutorial tasks. Grading Policy: (1)Assignments (50%): All the exercises and assignments produced in class are evaluated. Here the students' ability to create and expresses himself visually and on 3D graphics are evaluated together with his ability to operate CAD and rendering software. The assignment includes a 3D representation of the design developed on Architectural Studio IV classes. (2)DTP exercises (50%): evaluates the assignments produced in class (posters, reports. Evaluates the achievement of the fundamental contents related to CAD and Illustrator (CAD is evaluated through a standardized assignment) The final grade combines (1) and (2) and a total grade above 60% is necessary to acquire the credits.							
Notice		The stud	dents should assu		stand the conten	t learned on		classes and be welling to use the		
Course	Plan									
			Theme			Goals				
2nd Semeste r	3rd Quarter	1st	CAD (Vector Wo	orks) software 3D b	pasic r	Basic operations of 3D tool command, learn nodeling, viewpoint and projection method and understanding and method of operation for rendering light source				
		2nd	3D modeling of a	O modeling of a building part 1			Using the floor plan drawing of building produce the modeling of walls, roof, windows and create an exterior perspective drawing of the building. Part 1 basics of modeling, creating the walls and roof			
		3rd	3D modeling of a	a building part 2	t c F	Using the floor plan drawing of building produce he modeling of walls, roof, windows and create in exterior perspective drawing of the building. Part 2 create the exterior of the building, doors and approach.				
		4th	3D modeling of a	O modeling of a building part 3			Using the floor plan drawing of building produce the modeling of walls, roof, windows and create an exterior perspective drawing of the building. Part 3 create the ground, source of light, to complete the exterior perspective of the building and save as an image file.			
		5th	3D modeling app	D modeling application			Explanation on the most important points of architectural modeling: wall, roof and fixtures. Explanation on layers link, symbols and how to use them, and how to transform floor and wall surfaces.			
		6th	Rendering			Learn the basic of renderings operations of the Render Work software. How to create and transform texture, types of image files and how to save files.				

		7th	Rendering a	Building part 1	Using the building modeled on the previous weeks, the students will learn to render it we Render Work and how to operate the source light.			on the previous 4 on to render it with erate the sources of		
		8th	Rendering a	Rendering a Building part 1			Using the building modeled on the previous 4 weeks, the students will learn to render it with Render Work and how to operate the sources of light.			
	4th Quarter	9th	Adobe Illustr	Adobe Illustrator basic operations			Using sample data, the students will experience the basic operations of adobe illustrator software			
		10th	Adobe Illustrator practice				Using sample data, the students will experience the basic operations of adobe illustrator software			
		11th	Basic of Image processing				The students learn how to process image			
		12th	Applied techniques of Image processing				Object, character input and editing, and techniques to master the Illustrator. Learn how convert data from Vector Works to Illustrator.			
		13th	Basics of graphic layout				The students learn how to process image			
		14th	Poster Design part 1			Using examples as reference, elaborate the design of a poster to presents the students interests and hobbies.				
		15th	Poster Design part 2				To produce the A3-sized posters on the chosen subjects			
		16th	No Final Term Exam							
Evaluat	ion Meth	nod and	Weight (%)							
			use Model	Assigments 3D Modeling	Other Assigme	ents	Poster	Total		
Subtotal		10		40	10		40	100		
Basic Proficiency		0		0	0		0	0		
Specialized Proficiency		10		40	10		40	100		
Cross Area Proficiency		0		0	0		0	0		