		Course	Inform	FACULT Departmen 20	NATIONAL UNIVE Y OF ENGINEERING th of ARCHITECTU 021-2022 Fall CH 313 SUSTAINAE	G RE,	TURE		
	Co	urse Name:	SUSTA	INABLE ARCHIT	ECTURE				
	Code	F	Regular	Semester	Theoretical	Practical	Credits	ECTS	
AR	CH 313			5	2	-	2	4	
	ame of I	Lecturer(s)- demic Title:	Nawaz	Dabbagh - assis	tant lecturer				
1	Teaching	Assistant:	Safa Kl	nalid					
		Language:							
		ourse Type:							
				/ 11.00-1.00					
			Sunday 11:00-1:00 nawaz.dabbagh@tiu.edu.iq						
	001		nawaz.	dabbagn@id.cd	a.iq				
			Tel:077	28000008					
	Teacher'	s academic	MSc T						
		profile:	MSc. TU Delft						
	Course Objectives:			building, to understand the Green Architecture, what is it , and how to make a building more sustainable , how to enter green into the project. To take care about natural light and use less as possible as the artificial lighting. Cares about ventilation inside a building and allows the student to know which project need a natural lighting and natural ventilation. Teach the student what are renewable energy resources (solar, wind, Biomass, Geothermal) and how to make use of them in our country and how to put them in their projects. It helps the student to think more livable about the human comfortable and ways of having a less energy use project Is a new trend that lets the student to learn how to design a more efficient and sustainable					
	(Course overview):			able , how to entr possible as the a dent to know which what are renewan useful of them in t to think more live use project.	he Green Architecture, er green into the projec artificial lighting. Cares a ch project need a natura able energy resources (our country and how to able about the human o	t. To take care abo about ventilation in al lighting and nati solar, wind, Bioma pout them in our p	out natural ligh nside a building ural ventilation ass, Geotherm projects. It help	t and use g and allows . Teach the al) and how s the	
					URSE CONTENT				
Week	Hour	Date		Торіс					
1	2	4-7/10/20	021	Introduction to	-				
2	2	10-14/10/2	2021	General princip	les of sustainability ren	ewable energy an	d recycling me	ethod	
3	2	17-21/10/2	2021	sustainability a	nd construction materia	lls			
4	2	24-28/10/2	2021	sustainability a	nd buigding design				
				-					
5	2	31/10-4/11	/2021	International St	andards for green Arch	itecture			
6	2	7-11/11/2			ainability in architectura				
	-								
7	2	14-18/11/	2021	Midterm Exam					
	7 2 14-18/11/2021 8 2 21-25/11/2021		examples of sustainable buildings						
	2	21-23/11/2	2021	erampies of Su	stainable buildings				
	0	00/44 0/40	12024		and processies				
9	2	28/11-2/12/2021							
10	2	5-9/12/20	021	nanotechnolog	y materials for architect	ure and construct	ion		
	-			a					
	11 2 12-16/12/202			Group project p					
12	2	19-23/12/2	2021	Regional susta	inability applications in	contemporary reg	ional architect	ure	
13	2	26-30/12/2		-	inability applications in	contemporary reg	ional architect	ure	
14	2	2-5/1/20)22	sustainability a	nd aesthetic values-				
I									

15	2	9-13/1/2022	Final Exam			
16	2	16-20/1/2022	Final Exam			
			COURSE/STUDENT LEAR			
1		duction to individua	•			
2		-	ecological and green building	-		
3			rgy sources in architectural de	•		
4	4 leac		ible ways to apply sustainabilit		-	
			URSE'S CONTRIBUTION TO no contribution, I: Introduction			
	Progra	am Learning Outo		,		C
1	Be abl	e to apply creative	problem solving skills to archit	tectural problem solving		
2	Demonstrate knowledge of architectural history, theory, and practice in the solution of architectural design problems in a global society					
3	3 Be able to utilize freehand drawing, architectural graphics, and model building skills in the solution of design problems				of	
4		ations, using CADE	puter as a tool in a wide range), 3-D visualization and render			ıg
5	archite	ctural design prob	late, and effectively communic lems regarding other engineeri	ing professions.		
6	6 The Ability to conceptualize and coordinate designs that addressing some of the most social, cultural, environmental, theoretical, economic, and technological aspects of architecture.					
7	and ap	The ability to recognize the dialectic relationship between people and the built environment in a region and apply principles of sustainable design.				
8			oratively with various design te with clients and consultants.	eams involved in the buildi	ing industry, and	
Pr		tes (Course book	s on sustainability and building	Demonstelle en en ef		
	R		nology	is, Renewable sources of	energy, building c	onstructi
	R Student's	s obligation histo		knowledge about sustain	ability, let the stud	
(Spe	R Student's cial Req rse Boo	techr teferences): techr s obligation uirements): meth k/Textbook: Webs	nology rical background and scientific	knowledge about sustain bility in their architectural	ability, let the stud design projects.	
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Practical Hours		16	0	0
Final Exam		1	5	5
Attendance		1	1	1
Participation		1	1	1
Quiz		2	1	2
Homework		1		0
Project		1		0
Midterm Exam		1		0
Total Workload				41
ECTS Credit (To	otal workload/25)			1.64

Peer review

Signature:	Signature:	Signature:
Name:	Name:	Name:
Lecturer	Head of Department	Dean