



Department of Architectural engineering



Vision: -

Department of Architecture seeks to prepare a generation architect distinct and conscious scientifically and intellectually, morally and technically. With dependent highly Skills level. respected local identity, environmental, historical, cultural, social and conscious of contemporary developments

Mission

- 1- Provide educational opportunities for students in the field of architectural and urban design that combines the arts and sciences and Acquisition expertise necessary for applications of scientific and intellectual, artistic and teamwork
- 2- Provide a distinctive educational programs to improve the quality of graduates commensurate with the requirements of the times and the needs of the market and international standards.
- 3- Improve the academic Management and attract highly skilled staff.
- 4- Cooperate and exchange academic and companies and twinning with universities and other academic centers in developed countries.
- 5- Develop the environment for effective teaching and learning, knowledge and research in order to transfer the knowledge, skills and understanding necessary to practice the profession of architectural design and academic accreditation.
- 6- Self-assessment and continuous development of skills and educational programs and outcomes in order to achieve quality assurance and accreditation.
- 7- Contribute to community service by working with government agencies and the private sector and professional organizations to promote the idea of the production university and supporting applied research.
- 8- Make architectural work pursuant integral with the rest of the science and developments in the field of evaluation, construction and management of buildings different.
- 9-

Program Specification

Programme code:	BSc-Architecture	ECTS	300
Duration:	5 levels, 10 Semesters	Method of Attendance:	Full Time



ARCHITECTURE is a wonderfully wide-ranging subject and is well equipped to deliver. The emphasis of the programme is the whole buildings Environment to which everything is related. All students have the opportunity to transfer onto our specialist degrees in Architectural and urban design and its relates.

Level 1 Identify the basic fundamentals of the two dimensional design : the concept ,elements , basic fundamentals of composition and kinds of compositions , using the production technology by using collage to facilitate the idea

At Levels 2, 3 and 4 The second year of architectural study presents an important transitional stage where the student is transferred from the stage of preparing abstract Identified designs (represented in the first year) to a more comprehensive stage in its definition of architecture as being (usefulness.firmness,delight) it also Concentrates on the concept of local identity and integration with the context

and urban scene.also The third academic year is considered the final stage of the database in the field of architectural engineering where the student identifies the compound and multifunctional projects concerning their used and different service spaces.

The structural decisions and the technology of implementation are considered at the top of the designing presentation through choosing short and middle range projects which require structural courses and which are able to be implemented by reinforced concrete structures or iron structures.

And The curriculum of the architectural design of the fourth year aims to enlarge the architectural student's recognitions and to depart from the thinking of a single building of a limited function to the general outline of the city and the student identifies how to relate the single project with the city urban fabric through the identification of the basics of dealing with the urban design and connecting it to the city urban fabric and the stretching of the visual and physical axes found in them and the impact of the urban fabric characteristics.while The final project is considered the final stage of the knowledge, which has been given to the student during his years of' study. Represented by intellectual maturity, the basics of the design work and its belonging to the place and its relation to the values and deep roots of this country, nation , society, tradition and culture and letting the student to express these values through his intellectual and design presentation of the selected project which we emphasize to be one of the real projects proposed by different state offices and which have clear dependable curriculum , or proposed by professors in order to solve a particular problem .

the work of final project starts by collecting information in addition to the information the similar examples searching for the intellectual and designing presentation of similar projects in order to be a database for the student to discuss during the first academic year with the subject professors and with the participation of all the students.

Academic tutorials are held at Levels 1 and 2 with the same tutor, who is also the personal tutor, providing continuity and progressive guidance. Level 1 and 2 tutorials include a number of workshops to



teach skills, e.g. library use and presentation skills, followed by assessed exercises, e.g. essays and talks, as opportunities to practice these skills in a subject-specific context.

International years and Industrial placements are also offered and individual needs are discussed with the appropriate tutor and accommodated wherever possible.

Program Objectives

Objective #1 provides students with a solid foundation in Architectural Engineering discipline and design methodologies through emphasis on the application of Architectural design, scientific, and engineering principles. It provides the students with the knowledge of proper ethical and professional practices relevant to Architectural Engineering, as well as awareness of the societal impact of Architectural engineering technologies.

1. **Objective #2** focuses on the improvement, development and qualification of the teaching and administrative activities of the department.
2. **Objectives #3 & #4** concentrate on the development and improvement of the faculty, engineering, technical, and administrative staff capabilities.
3. **Objectives #5** considers the optimum use of the department facilities and resources, and improvement and qualification of these facilities.
4. **Objectives #6** is related to the engagement and cooperation of the department with the highly qualified and developed universities and countries in order to improve and develop the AE Program of the department.
5. **Objectives #7** focuses on the scientific research activities of the department and how it can be directed towards the service of community, government and state.
6. **Objectives #8** focuses on ethical and national traditional values.

Student Learning Outcomes

Architecture is the study of the relation between human and building environment. Graduates obtain information on the historical, technical and social aspects of Architecture and utilize basic knowledge toward realizing broader concepts. The Department offers a Bachelor of Science in Architecture with a concentration in buildings & urban design ; Additionally, the Department offers courses to a large number of students from other departments and supports pre-professional programs. The Architecture curriculum and experiences are designed to prepare students, in part, for entry into professional Engineering Design programs, graduate studies, technical careers and education.

Outcome 1

Identification of Complex Relationships



Graduates will be able to illustrate the structure and function of Buildings components and explain how they interact in building environment with the human being.

Outcome 2

Oral and Written Communication

Graduates will be able to formally communicate the cause behind the design decisions using both oral and written communication skills.

Outcome 3

Laboratory and Field Studies

Graduates will be able to perform software of many programs in computer aided design experiments and field studies, by using scientific equipment and computer high technology .

Outcome 4

Scientific Knowledge

Graduates will be able to demonstrate a balanced concept of how scientific knowledge develops, including the historical development of foundational theories and laws and the nature of science.

Outcome 5

Data Analyses

Graduates will be able to demonstrate scientific quantitative skills, such as the ability to conduct simple design analyses.

Outcome 6

Critical Thinking

Graduates will be able to use critical-thinking and problem-solving skills to develop a research project and/or paper.



Faculty Member Name	High est Degr ee Earn ed, Fiel d and Year	Sci ent ific Ra nk ¹	Ty pe of Ac ad em ic Ap poi nt me nt ² PS or TS ²		Years of Experience			Pro fess ion al Reg istr atio n / Cer tific ate	Level of Activity ⁴ H, M, or L		
					G ov t. / I n d. Pr ac tic e	Te	Th is I n sti tu tio n		P r o f e s s i o n a l O r g a n i z a t i o n s	Prof ession al Deve lopm ent	C ons ulti ng/ wor k in ind ustr y
Haitham Abd Al-hussein ali	PhD.	P	PS	FT	5	19	19		H	M	H
Susan Abd Hassan	PhD.	P	PS	FT	5	23	23		H	H	M
Shaimaa Hameed hussain	PhD.	P	PS	FT	26	22	22		H	H	H
Nawfal Joseph Rzqoo	PhD.	P	PS	FT	33	19	19		H	H	H
Mohamed Qasim Abdul Ghafoor	PhD.	P	PS	FT	15	21	21		H	M	M
Saba Sami Mehdi	PhD.	P	PS	FT	15	23	23		M	H	H
Kalid Abdul Wahabb	PhD.	P	PS	FT	40	16	16		H	H	H
Arshad A.Al-jabar Al-Anizi	PhD.	ASP	PS	FT							
Omar shamal Farhan	PhD.	ASP	PS	FT	14	14	14		H	H	H



Samah Ibraheem	PhD.	ASP	PS	FT	18	18	18		M	H	M
Omer Khalid Fayadh	PhD.	ASP	PS	FT	20	16	16		H	M	M
Adil Zamil Manshad	MSc.	ASP	PS	FT	11	19	19		H	M	M
Dia Hameed Basee	PhD.	ASP	PS	FT	24	19	19		H	M	M
Aliaa Ahmed Mahmood	PhD.	L	PS	FT	10	19	19		H	M	M
Nada Azaam mahmoud	PhD.	L	PS	FT	15	19	19		M	M	M
Zahraa Musa	PhD.	L	PS	FT	3	21	21		M	M	M
Maha Amer A. Alamir	PhD.	L	PS	FT	1	20	20		M	H	M
Rasha AbdulKarim Ali	PhD.	L	PS	FT	1	20	20		H	M	M
Mohammed Gassid Mohaebes	PhD.	L	PS	FT							
Shaimaa Talal	PhD.	L	PS	FT	15	2	2		M	M	M
Baneen abdul-kareem	PhD.	L	PS	FT	9	4	2		H	M	M
Saad Mohsin	MSc.	L	PS	FT	6	19	19		M	M	M
Nawres Auday Ali	PhD	L	PS	FT	12	12	12				
Hassan Hadi Sabti	MSc.	L	PS	FT	30	19	19		H	M	H
Mariam Safaa Husian	MSc.	L	PS	FT							
Hiam Suham	MSc.	L	PS	FT							
Shatha Saleem	MSc.	ASL	PS	FT	8	8	8		M	M	M
Ahmed Makki	MSc.	ASL	PS	FT	15	7	7		M	M	M
Mohamed Talib	MSc.	ASL	PS	FT	2	17	17		H	M	M
Wurood Adeeb	MSc.	ASL	PS	FT	3	8	8		H	M	M
Zenah Riadh	MSc.	ASL	PS	FT							
Essam Ibrahim	MSc.	ASL	PS	FT	23	23	23			H	
Muna mohamed	MSc.	ASL	PS	FT	3	2	2		M	M	M
Hamsa abdulrahman	MSc.	ASL	PS	FT	2	2	2		M	M	M
Mohamed hazim mahmood	MSc.	ASL	PS	FT	9	1	1		M	H	M
Marwah Muwafaq Al-Zaidi	MSc.	ASL	PS	FT	5	8	3		M	M	M



Maryam Abdulrahman Ahmed	MSc.	ASL	PS	FT	7	1	1		M	M	M
Fouz Haider Abdulkarim	MSc.	ASL	PS	FT	6	3	2		M	M	M
Namaa Rasool Jasim	MSc.	ASL	PS	FT	1	1	1		M	M	M
Russl Sami khadim	MSc.	ASL	PS	FT	11	1	1		M	H	M
Mariam Raad Mohammed	MSc.	ASL	PS	FT	7	2	2		M	H	M
Ahmed Auday Hattem Alhamdani	MSc.	ASL	PS	FT	9	1	1		M	H	M

Program Curriculum (2025 - 2026)

LEVEL I

Level I	Semester	No.	Module Code	Module Name in English	تعليمات كدائي ايا	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW L hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
One		1	UREQ 111	Computer Fundamentals and programming		English	1		2				3	48	27	75	3.00	B	
		2	UREQ 110	Human Rights and democracy		Arabic	2						3	33	17	50	2.00	B	
		3	MATH110	Mathematics I		English	4						3	63	87	150	6.00	B	
		4	ARER 110	Skills of drawing		English	1			3			3	63	37	100	4.00	S	
		5	CREQ 120	Workshop		Arabic				3			3	48	2	50	2.00	S	
		6	ARER 111	Architectural design studio I		English	2			8			6	156	94	250	10.00	C	
		7	ARER 112	Principles of Architecture		English	2						3	33	42	75	3.00	S	
Total							12	0	2	14	0	0	24	444	306	750	30.00		
Two		1	UREG1	English Language I		English	2						3	33	17	50	2.00	B	
		2	URARA	Arabic Language		English	2						3	33	17	50	2.00	B	
		3	MATH120	Mathematics II		English	4						3	63	87	150	6.00	B	MATH 110
		4	PHYS 120	General Physics		English	2		1				3	48	52	100	4.00	B	
		5	ARER 122	Architectural design studio II		English	2			8			6	156	94	250	10.00	C	
		6	ARER 120	Architectural visualization		English	1		2				3	48	27	75	3.00	C	
		7	ARER 121	Architectural Drawing and Graphics		English				3			3	48	27	75	3.00	S	
Total							13	0	3	11	0	0	24	429	321	750	30.00		



LEVEL II

Level II	Semester	No.	Module Code	Module Name in English	قيداريا تدائيا دنا	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSW L	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semnn (hr/w)		hr/sem	hr/sem	hr/sem			
Three		1	URENG2	English Language		English	2						3	33	17	50	2.00	B	ARER 122&111
		2	URBRC	Crimes of the Defunct Baath Party		Arabic	2						3	33	17	50	2.00	B	
		3	ARER210	Architectural design studio III		English	2			8			6	156	94	250	10.00	C	
		4	ARER211	Architectural Digital Drawing		English	1		2				3	48	27	75	3.00	C	
		5	ARER212	Basic Building Construction		English	1			3			3	63	37	100	4.00	C	
		6	ARER213	Mechanics of Materials		English	2		1				3	48	52	100	4.00	S	
		7	STAT210	Statistic		English	4						3	63	62	125	5.00	B	
	Total						15	0	3	11	0	0	24	444	306	750	30.00		
UGII	Semester	No.	Module Code	Module Name in English	قيداريا تدائيا دنا	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSW L	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semnn (hr/w)		hr/sem	hr/sem	hr/sem			
	Four	1	ARER 225	Architectural design studio IV		English	2			8			6	156	94	250	10.00	C	
		2	URCOM2	Computer programming II		English	1		2				3	48	27	75	3.00	C	
		3	ARER 221	Building Construction		English	1			3			3	63	37	100	4.00	C	
		4	ARER 223	Surveying		English	2		1				3	50	50	100	4.00	S	
		5	ARER 222	Structure concept		English	2						3	33	42	75	3.00	C	
		6	ARER 224	Arabic Language		English	2						3	33	42	75	2.00	B	
		7	CHEM 220	Chemistry		English	2		1				3	48	52	100	4.00	B	
	Total						12	0	4	11	0	0	24	431	344	775	30.00		

Level III

Level III Semester		No.	Module Code	Module Name in English	قيداريا تدالها دنا	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSW L	SWL	ECTS	Module Type	Prerequisite Module(s) Code	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semmn (hr/w)		hr/sem	hr/sem	hr/sem				
UGIII	Five	1	ARER 310	Architectural design studio V		English	2			8			6	156	94	250	10.00	C	ARER 225&210	
		2	ARER 311	History of Ancient Architecture		English	2						3	33	42	75	3.00	S		
		3	ARER 312	Digital visualization		English	1			2			3	48	27	75	3.00	C		
		4	EART 310	Earth Environment in architecture		English	2			1			3	48	52	100	4.00	B		
		5	ARER 313	Skeletal Building construction		English	1			2			3	48	27	75	3.00	C		
		6	ARER 314	Concrete Structure		English	2			1			3	48	52	100	4.00	C		
		7	ARER 315	Design Methodology		English	2						3	33	42	75	3.00	S		
	Total							12	0	0	14	0	0	24	414	336	750	30.00		
	UGIII	Semester	No.	Module Code	Module Name in English	قيداريا تدالها دنا	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSW L	SWL	ECTS	Module Type	Prerequisite Module(s) Code
								CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semmn (hr/w)		hr/sem	hr/sem	hr/sem			
Six		1	ARER 320	Architectural design studio VI		English	2			8			6	156	94	250	10.00	C		
		2	ARER 326	Services: Plumbing		English	2			1			3	48	52	100	4.00	C		
		3	ARER 323	History of Architecture		English	2						3	33	42	75	3.00	S		
		4	ARER 324	Urban planning theories		English	2						3	33	42	75	3.00	S		
		5	ARER 325	Steel Structure		English	2			1			3	48	52	100	4.00	C		
		6	CREQ 320	Physics of Acoustic		English	2			1			3	48	52	100	4.00	B		
		7	ARER 327	Elective		English	2						3	33	17	50	2.00	E		
Total							14	0	0	11	0	0	24	399	351	750	30.00			



Level IV

Level IV	Semester	No.	Module Code	Module Name in English	تعليمات إضافية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
Seven		1	ARER 410	Architectural design studio VII		English	2			8			6	156	94	250	10.00	C	ARER 320&210
		2	ARER 411	Urban design theories		English	2						3	33	42	75	3.00	S	
		3	ARER 412	Theory of architecture		English	2						3	33	42	75	3.00	S	
		4	ARER 413	Interior design		English	1			2			3	48	77	125	5.00	S	
		5	ARER 414	Housing theory		English	2						3	33	42	75	3.00	S	
		6	ARER 415	Urban systems analysis		English	2						3	33	42	75	3.00	S	
		7	ARER 416	Services: Electricity		English	2						3	33	42	75	3.00	C	
Total							13	0	0	10	0	0	24	369	381	750	30.0		
UGIV	Semester	No.	Module Code	Module Name in English	تعليمات إضافية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
		1	ARER 420	Architectural design studio VIII		English	2			8			6	156	94	250	10.00	C	
		2	ARER 421	Advanced building technologies		English	2			1			3	48	52	100	4.00	S	
		3	ARER 422	Landscape architecture		English	1			2			3	48	77	125	5.00	S	
		4	ARER 423	Contemporary theory of architecture		English	2						3	33	42	75	3.00	S	
		5	ARER 424	Services: Air conditioning		English	3						3	48	77	125	5.00	C	
		6	ARER 425	Islamic architecture		English	2						3	33	42	75	3.00	S	
Total							12	0	0	11	0	0	21	366	384	750	30.0		

Level V



Level V	Semester	No.	Module Code	Module Name in English	قيدارها تدائيها	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW L hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGV	Nine	1	PROJ511	Project design I		English	2				12			6	216	159	375	15.00	C	ARER 420&410
		2	ORET510	Professional Ethics		Arabic	2							3	33	42	75	3.00	S	
		3	ARER 510	Project Theses		English	2							3	33	42	75	3.00	B	
		4	ARER 511	Local architecture		English	2							3	33	42	75	3.00	S	
		5	MANG520	Management principles		English	2							3	33	42	75	3.00	S	
		6	ARER 512	Elective		English	2							3	33	42	75	3.00	E	
						Total	12	0	0	12	0	0	0	21	381	369	750	30.0		
	Ten	1	PROJ 520	Project design II		English	2				12			6	216	159	375	15.00	C	
		2	ARER 520	Quantities & specifications		Arabic	2							3	33	42	75	3.00	S	
		3	ARER 521	Topics of Digital Design		English	2							3	33	42	75	3.00	C	
		4	ARER 522	Sustainable Architecture		English	2							3	33	42	75	3.00	C	
		5	ARER 523	Elective		English	2							3	33	42	75	3.00	E	
		6	ARER 524	Elective		English	2							3	33	42	75	3.00	E	
					Total	12	0	0	12	0	0	0	21	381	369	750	30.0			
Structured SWL (hr/w) type	CL	Class Lecture				Module type	B	Basic learning activities		SWL: Student Workload										
	Lab	Laboratory					C	Core learning activity		SSWL: Structured SWL										
	Pr	Practical Training					S	Suport or related learning activity		USSWL: Unstructured SWL										
	Tut	Tutorial					E	Elective learning activity												
	Lect	Online lecture																		
	Semn	Seminar																		

Curriculum/Modules

This catalogue is about the courses (modules) given by the program of Architectural Engineering to gain the Bachelor of Science degree. The program delivers (68) Modules with (7500) total student workload hours and 300 total ECTS. The module delivery is based on the Bologna Process.

نظرة عامة

يتناول هذا الدليل المواد الدراسية التي يقدمها برنامج هندسة العمارة للحصول على درجة بكالوريوس العلوم. يقدم البرنامج (68) مادة دراسية، مع (7500) إجمالي ساعات حمل الطالب و 300 إجمالي وحدات أوروبية. يعتمد تقديم المواد الدراسية على عملية بولونيا.

Undergraduate Courses 2025-2026

Module 1

Code	Course/Module Title	ECTS	Semester
UREQ 111	Introduction to Computer Science I	4	1



Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	1	63	37
Description			

Module 2

Code	Course/Module Title	ECTS	Semester
UREQ 110	Human Rights and democracy	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 3

Code	Course/Module Title	ECTS	Semester
MATH 110	Mathematics I	6	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	63	87
Description			
This section includes a description of the module, 100-150 words			

Module 4

Code	Course/Module Title	ECTS	Semester
ARER 110	Skills of drawing	5	1



Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	3	63	62
Description			
This section includes a description of the module, 100-150 words			

Module 5

Code	Course/Module Title	ECTS	Semester
CREQ 110	Work shop	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
0	3	48	2
Description			
This section includes a description of the module, 100-150 words			

Module 6

Code	Course/Module Title	ECTS	Semester
ARER 111	Architectural design studio I	10	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 7

Code	Course/Module Title	ECTS	Semester
ARER 112	Principles of Architecture	3	1



Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 8

Code	Course/Module Title	ECTS	Semester
UREQ 121	English Language I	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	0	48	52
Description			
This section includes a description of the module, 100-150 words			

Module 9

Code	Course/Module Title	ECTS	Semester
UREQ 122	Arabic Language	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 10

Code	Course/Module Title	ECTS	Semester
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MATH 120	Mathematics II	6	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	63	87
Description			
This section includes a description of the module, 100-150 words			

Module 11

Code	Course/Module Title	ECTS	Semester
PHYS 120	General Physics	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	48	52
Description			
This section includes a description of the module, 100-150 words			

Module 12

Code	Course/Module Title	ECTS	Semester
ARER 111	Architectural design studio I	10	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 13

Code	Course/Module Title	ECTS	Semester
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ARER 120	Architectural visualization I	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	48	27
Description			
This section includes a description of the module, 100-150 words			

Module 14

Code	Course/Module Title	ECTS	Semester
UREQ 210	English Language II	4	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	48	52
Description			
This section includes a description of the module, 100-150 words			

Module 15

Code	Course/Module Title	ECTS	Semester
UREQ 211	Management Principles	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 16

Code	Course/Module Title	ECTS	Semester
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ARER 210	Architectural design studio II	10	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 17

Code	Course/Module Title	ECTS	Semester
ARER 211	Architectural visualization II	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	48	27
Description			
This section includes a description of the module, 100-150 words			

Module 18

Code	Course/Module Title	ECTS	Semester
ARER 212	Building Construction I	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	48	52
Description			
Introduce the student to the principles of architectural structural design. · Develop the student's sense of the structural architectural composition (shape, color, texture, composition and the relationships of the materials involved in the construction of the building with each other. · Identify the properties of materials and structural systems and their uses in design. · Stimulating the student's skills in dealing with the evolving demands of the labor market			

Module 19



Code	Course/Module Title	ECTS	Semester
CREQ 210	Mechanics of Materials	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 20

Code	Course/Module Title	ECTS	Semester
CHEM280	General chemistry	4	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	1	48	52
Description			
This section includes a description of the module, 100-150 words			

Module 21

Code	Course/Module Title	ECTS	Semester
ARER 210	Architectural design studio II	10	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 21

Code	Course/Module Title	ECTS	Semester
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ARER 210	Architectural design studio II	10	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 22

Code	Course/Module Title	ECTS	Semester
ARER 220	Architectural visualization III	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	48	27
Description			
This section includes a description of the module, 100-150 words			

Module 23

Code	Course/Module Title	ECTS	Semester
ARER 221	Building Construction II	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	48	27
Description			
Introduce the student to the principles of architectural structural design. · Develop the student's sense of the structural architectural composition (shape, color, texture, composition and the relationships of			



the materials involved in the construction of the building with each other. · Identify the properties of materials and structural systems and their uses in design. · Stimulating the student's skills in dealing with the evolving demands of the labor market

Module 24

Code	Course/Module Title	ECTS	Semester
ARER 223	Surveying	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 25

Code	Course/Module Title	ECTS	Semester
ARER 222	Structure I	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
Graduating engineering cadres in the field of architecture engineering, which have the ability to face the difficulties and challenges they face while working in various sectors by providing them with all the information, basics and scientific facts that they need in their field of specialization (architecture			



engineering). 2. Striving to graduate architects within the specializations of architecture engineering who have the ability to be creative and innovative in their field of work and in different types of architectural projects and keep pace with the rapid scientific and technological development taking place in the civilized world. 3. To provide students with a comprehensive understanding of structural systems and their components. 4. To develop analytical skills for assessing and analyzing structural systems and their components which relates with architectural design. 5. To help students to evaluate the connections between different systems and their structural architectural design. 6. To help students to choose structural members and systems for successful architectural design. 7. Teaching students to the principles of architectural structural analysis and design of architectural designs. 8. Understanding the types of internal and external forces that enter into the design and structural analysis of architectural designs and buildings and the selection of structural elements that are used in the construction of various buildings such as buildings and residential homes...etc. 9. Developing the student's sense of structural architectural composition and how to choose structural and structural elements (form, composition and relationships of structural elements) and structures in the construction of the building with each other. 10. Identify the properties of materials, elements, structural systems and their uses in design. 11. Explore career options in the construction industry. 12. - Development of good safety practices. 13. - Identification of building and construction elements and systems, development and application of basic skills in construction work. 14. Stimulating the student's skills in dealing with the requirements of the evolving labor market.

Module 26

Code	Course/Module Title	ECTS	Semester
ARER 224	History of Architecture I	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
Introducing the student to the importance of the History of Architecture as a distinguished discourse from architectural theory and criticism. • familiarizing the student to the historical architecture of			



Europe in terms of architectural and structural components from classical times to the medieval era. • Introducing the student to the cultural cross-fertilization between ancient peoples through architectural production.

Module 27

Code	Course/Module Title	ECTS	Semester
MATH 220	Statistic	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	63	62
Description			
This section includes a description of the module, 100-150 words			

Module 28

Code	Course/Module Title	ECTS	Semester
ARER 310	Architectural design studio III	10	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94



Description
This section includes a description of the module, 100-150 words

Module 29

Code	Course/Module Title	ECTS	Semester
ARER 312	Architectural visualization IV	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	48	27
Description			
This section includes a description of the module, 100-150 words			

Module 30

Code	Course/Module Title	ECTS	Semester
EART 310	Earth Environment in architecture	4	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	48	52
Description			



Understand the principles and concepts of environmental considerations in architecture. 2. Analyze and evaluate the impact of earth environmental factors on architectural design, including energy, climate, water, and indoor environmental quality. 3. Apply passive design strategies to optimize energy efficiency and thermal comfort in buildings. 4. Integrate renewable energy systems and sustainable materials into architectural design. 5. Utilize building performance assessment and simulation tools to evaluate and improve the environmental performance of buildings. 6. Demonstrate critical thinking and problem-solving skills in addressing environmental challenges in architectural design. 7. Collaborate effectively in multidisciplinary teams for environmental design projects. 8. Communicate and present environmentally responsive design solutions clearly and professionally. 9. The ability to communicate effectively with a range of audiences. 10. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. 11. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Module 31

Code	Course/Module Title	ECTS	Semester
ARER 313	Building construction III	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	48	27
Description			
This section includes a description of the module, 100-150 words			

Module 32

Code	Course/Module Title	ECTS	Semester
ARER 314	Structure II	4	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	48	52
Description			



This section includes a description of the module, 100-150 words

Module 33

Code	Course/Module Title	ECTS	Semester
ARER 315	Design Methodology	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 34

Code	Course/Module Title	ECTS	Semester
ARER 310	Architectural design studio III	10	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 35

Code	Course/Module Title	ECTS	Semester
ARER 326	Services: Plumbing	5	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	63	62
Description			



1. Graduating engineering cadres in the field of architecture engineering, which have the ability to face the difficulties and challenges they face while working in various sectors by providing them with all the information, basics and scientific facts that they need in their field of specialization (architecture engineering). 2. Striving to graduate architects within the specializations of architecture engineering who has the ability to be creative and innovative in their field of work and in different types of architectural projects and keep pace with the rapid scientific and technological development taking place in the civilized world. 3. To provide students with a comprehensive understanding of plumbing systems and their components. 4. To help students to evaluate the connections between different Building services and their architectural design. 5. To help students to choose the enter and exit service systems to submit the Practical architectural design. 7. Developing the student's sense of plumbing design and their composition and how to choose plumbing elements with relationships building and site. 8. - Development of good safety practices. 9. Introducing students to building safety requirements by identifying the degree of fire and their effect on the building and safety 10. Introducing students to, how to fight fires, applying civil defense requirements, and showing it in architectural design. 11. Stimulating the stud

Module 36

Code	Course/Module Title	ECTS	Semester
ARER 323	Preservation methods	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 37

Code	Course/Module Title	ECTS	Semester
ARER 324	Urban planning theories	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42



Description
*Introducing the student to the importance of urban planning, its ideas and theories, which will help educate the architectural engineering student about the importance of urban planning and its role in the formation of cities. *Linking planning levels to urban and architectural design. *An expanded and comprehensive view of the idea of the city and its components through understanding the urban structure (Natural, urban, social, economic environment).

Module 38

Code	Course/Module Title	ECTS	Semester
ARER 325	Structure III	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	48	52
Description			
This section includes a description of the module, 100-150 words			

Module 39

Code	Course/Module Title	ECTS	Semester
CREQ 320	Physics of Acoustic	5	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	63	62



Description
. To provide students with a solid understanding of the fundamental concepts of sound and acoustics in the context of architectural design. 13. To familiarize students with the principles of psychoacoustics and how human perception of sound influences architectural acoustics. 14. To explore the techniques and methodologies for analyzing and evaluating the acoustic properties of different architectural spaces. 15. To introduce students to the principles of room acoustics and the methods for controlling sound propagation, absorption, and reflection within enclosed spaces. 16. To develop students' knowledge and skills in designing architectural spaces with optimal acoustic performance, considering factors such as noise control, sound isolation, and transmission control. 17. To familiarize students with the use of acoustic modeling software and measurement techniques for analyzing and simulating acoustic properties of architectural spaces. 18. To examine case studies of exemplary architectural projects with well-designed acoustic environments and extract lessons and best practices. 19. To foster critical thinking and problem-solving skills in addressing acoustic challenges and finding innovative solutions within architectural design. 20. To promote collaboration and teamwork by engaging students in multidisciplinary exercises and projects related to architectural acoustics. 21. To enhance students' communication and presentation skills through the clear and professional delivery of acoustic design solutions and findings

Module 40

Code	Course/Module Title	ECTS	Semester
ARER 410	Architectural design studio IV	10	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	8	156	94
Description			
1-Introducing students to the importance of architectural and urban design, its ideas and theories, in order to educate students of architecture to design and plan cities and their parts. 2.Linking planning levels with urban and architectural design. 3.Understanding the urban structure from (natural, urban, social, and economic environments). 4.Identifying the role of urban design in creating livable places. 5.Identifying ideas that are a means of providing required services to urban residents and the labor market later on. 6. The ability to assess and evaluate the urban place. 7.Gain the skill of dealing with the scales of reasoning and problem-solving at the building, district, and city levels. 8.Identify the standards for planning and designing the residential area.			



Module 41

Code	Course/Module Title	ECTS	Semester
ARER 411	Urban design theories	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 42

Code	Course/Module Title	ECTS	Semester
ARER 412	Theory of architecture I	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 43

Code	Course/Module Title	ECTS	Semester
ARER 413	Interior design	5	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)



1	2	48	77
Description			
This section includes a description of the module, 100-150 words			

Module 44

Code	Course/Module Title	ECTS	Semester
ARER 414	Housing theory	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
Identifying the components and basics of urban housing • Designing a residential space that meets the needs of the tenants • Taking into account sustainability and local climate aspects			

Module 45

Code	Course/Module Title	ECTS	Semester
ARER 415	Urban systems analysis	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)



2	0	33	42
Description			
The course targets the category of students but enables the teacher to develop the competence of his assistants in the subject as well. · Introduce the student to the principles of analysis of different urban systems · These provide an understanding of urban architectural systems and the design strategies adopted in design. · Developing the student's sense of urban design according to the theories used within a programmatic analytical method · Identify the characteristics of the analysis programs of the different urban systems according to the programs of DepthMap and GIS. · Motivating students' skills in dealing with the requirements of the evolving job market.			

Module 46

Code	Course/Module Title	ECTS	Semester
ARER 416	Services: Electricity	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
aims to introduce the student to the most important basic principles of electrical systems (lighting system, electrical power distribution system, fire system, telephone system, internal call system, etc.) · methods for calculating the electrical capacity relative to covering the buildings' requirements for lighting, air conditioning, health services, and other requirements. · The student also learns about the requirements for central electrical services, how to calculate the spaces needed to contain them, and the principles of installing them in the building.			

Module 47

Code	Course/Module Title	ECTS	Semester
ARER 410	Architectural design studio IV	10	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)



2	8	156	94
Description			
This section includes a description of the module, 100-150 words			

Module 48

Code	Course/Module Title	ECTS	Semester
ARER 420	Advanced building technologies	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	48	52
Description			
Introduce students to the concept of technology in its general and applied context, highlighting its role in the field of construction and architecture. Achieve a comprehensive understanding of technology as an idea and its application in the context of architecture. · Understand the relationship between technology and the art of architecture, with a focus on ways to develop technology through advanced and modern techniques of industrial and scientific technology. This relationship is elucidated within a comprehensive framework that encompasses architectural work. · Familiarize students with structural systems, including their fundamentals, the transfer of structural forces, and their impact on the form of the structural system. Additionally, students become acquainted with the details related to each system, especially modern systems used in contemporary architectural buildings. · Explore a range of global architectural projects executed by renowned architects, providing examples of advanced technology utilization in those projects. · Open new horizons for students to explore the architectural ideas they are working on in architectural design courses, with the aim of developing integrated projects from intellectual, design, and construction perspectives. · Enhance the role of students and activate their participation by presenting reports on structural systems, architects, and buildings that employed those systems. These reports are discussed in discussion sessions to delve into advanced technology and exchange ideas between students and the professor. Moreover, students' confidence in themselves is boosted, and their skills and knowledge in the technological field are increased through the presentation of the latest advanced concepts and applications used in the current era. · Bridging the Gap between academic theories and practical applications and explore the details of structural systems in architectural buildings and understand the methods used in their construction. Students are given the opportunity to train and work on practical exercises and present three dimensional models of the main structural systems implemented in global engineering projects. This opportunity is achieved under the supervision and training of the course professor, helping students enhance their practical and theoretical skills in this field.			



Module 49

Code	Course/Module Title	ECTS	Semester
ARER 421	Landscape architecture	5	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	48	77
Description			
- Identifying the components and rules of Landscape design - how to create a positive feeling - Learning about the development of Landscape design throughout history			

Module 50

Code	Course/Module Title	ECTS	Semester
ARER 422	Theory of architecture II	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
Creating a knowledge base that links theories with architectural trends. Acquiring research and analysis skills. Activate the role of architecture in achieving the best urban reality.			

Module 51

Code	Course/Module Title	ECTS	Semester
ARER 425	Services: Air conditioning	5	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	0	48	77
Description			



Teaching the student to solve the problems · Knowledge the student about the Air conditioning system, cooling and heating load.... · Compute the cooling and heating load and put the system of cooling through the design of maps for building.....

Module 52

Code	Course/Module Title	ECTS	Semester
ARER 423	Islamic architecture	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Module 53

Code	Course/Module Title	ECTS	Semester
CREQ 510	Project design studio V	15	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	12	216	169
Description			
This section includes a description of the module, 100-150 words			

Module 54

Code	Course/Module Title	ECTS	Semester
UREQ 510	Professional Ethics	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)



2	0	33	42
Description			
Studying the subject of professional ethics, its importance, components and factors affecting it. View professional and engineering codes. Identify disasters that cause lack of professional ethics. Identify the ethics of scientific research. Quotation and induction. Writing technical reports, projects and graduation project.			

Code	Course/Module Title	ECTS	Semester
ARER 511	Project Theses	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
Developing the student's ability to identify the appropriate aspects of an architectural or urban solution to a specific problem or need in a specific location in the city, and for the solution to be within a conceptual vision that responds to contemporary needs and global human concerns. • Arriving at formulating the appropriate components of the architectural and urban project. • Develop the ability to analyze architectural and urban examples that addressed issues similar to those implemented in the student project. • Develop the ability to extract and calculate program functions of medium to high level project complexity.			

Code	Course/Module Title	ECTS	Semester
ARER 512	Local architecture	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			



Code	Course/Module Title	ECTS	Semester
ARER 513	Elective	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Code	Course/Module Title	ECTS	Semester
ARER 514	Elective	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Code	Course/Module Title	ECTS	Semester
CREQ 510	Project design studio V	15	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	12	216	169
Description			
This section includes a description of the module, 100-150 words			



Code	Course/Module Title	ECTS	Semester
ARER 520	Quantities & specifications	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
- Introducing the student to the principles of calculation and specifications of structural elements. 16. - This category provides an understanding of the process of calculating and selecting the structural and construction material that is used in the construction of various buildings such as buildings and residential homes, in addition to the cost of constructing these elements...Etc. 17. - Developing the student's sense of knowing the quantities, specifications and estimated cost (shape, color, texture, composition and relationships of the materials involved in the construction of the building with each other. 18. - Identify the properties of materials, their quantities, cost and uses in the design. 19. - Develop sound safety practices. 20. - Identification of construction tools and materials, development and application of basic skills in construction work. 21. - Identification of external finishing tools and materials and their cost. 22. - Stimulating the student's skills in dealing with the requirements of the evolving labor market.			

Code	Course/Module Title	ECTS	Semester
ARER 521	Topics of Digital Design	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			



This section includes a description of the module, 100-150 words

Code	Course/Module Title	ECTS	Semester
ARER 522	Sustainable Architecture	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
To develop problem solving skills and understanding of natural and built environment to design projects in respect of public health, safety, environment, economical and local identity. To develop communication skills with clients and design team Considering the architect as the team leader to solve climate issues. To understand the relationship between architecture engineering and climate by using the new gaining knowledge. To learn how architects can reduce the impact of using fossil fuel by using the new gaining knowledge. To learn how architects can reduce the impact of climate change and alter it. To understand how architects around the world solve the problem of climate change by building design.			

Code	Course/Module Title	ECTS	Semester
ARER 523	Elective	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			



This section includes a description of the module, 100-150 words

Code	Course/Module Title	ECTS	Semester
ARER 524	Elective	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

Code	Course/Module Title	ECTS	Semester
UREQ 510	Professional Ethics	3	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	42
Description			
This section includes a description of the module, 100-150 words			

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Module 40

Code	Course/Module Title	ECTS	Semester
UoB12379	Graduation Project	6	8
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
0	1	16	74



Description

This section includes a description of the module, 100-150 words