

# Mosul University

## الجامعة الموصل



*Engineering College /Architecture Department*

كلية الهندسة - قسم العمارة



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## **1. Mission & Vision Statement:**

### The Mission of Architecture Department:

The mission of the Department of Architecture is to complement the Faculty of Engineering and the University of Mosul by providing advanced higher education in various disciplines at all levels to produce more effective graduates who can contribute to the advancement of science. Community Economics and Science. Public; In addition to adhering to mental and professional ethical values Creating a stable environment for learning and intellectual creativity Respecting human rights Providing academic glide paths that contribute to the optimal use of environmental protection technologies and promoting the production of creative research is Providing the public with knowledge and technical advice Enhancing community institutions . Contributing actively to the community and providing building scientists capable of carrying out reconstruction work to the community and providing technical advice to meet community needs. On the one hand the adaptation of the city of Mosul and the development of Iraq as a whole with the times by preserving the cultural identity and values attached to the expression of ideas originating from the depths of the civilization of this ancient country. and the spirit and potential of the technology required. Moreover we live in an era of technological revolution and technological progress is accelerating in various fields of life.

The mission of the Department of Architecture complements the Faculty of Engineering and the University of Mosul by providing advanced higher education in various disciplines at all levels according to high standards that aim to more effectively qualify graduates to contribute to

socioeconomic knowledge and scientific development. Society; Also creation of a stable environment for learning and intellectual creativity keeping in view the observance of spiritual and professional ethical values as well as preservation of human rights towards the environment and optimal use of technology as well as provision of educational glide. Path that seeks to produce creative research that contributes to the building of a knowledge society and provides technical consultancy to provide communities with qualified scientifically competent technical personnel to provide technical advisory services to meet the needs of the community is

The Vision of Architecture Department:

The Department of Architecture at the University of Mosul is a leading school of architecture that contributes to the city sustainability by contributing to building a unique identity for the local urban environment by emulating local and international counterparts through its skills and expertise. Goals are achieved as part of being sexually targeted. The combination of originality and modernity Sustainable development based on ancient cultural heritage is pursued as a solid intellectual reference for urban sustainability and respect for international quality standards in accordance with modern scientific and technological developments.

## 2. Program Specification

<b>Program code:</b>		<b>ECTS</b>	300
<b>Duration:</b>	5 levels, 10 Semesters	<b>Method of Attendance:</b>	Full Time

The Architectural Engineering Department of Mosul University is one of the eight scientific departments of the Faculty of Engineering established and started in 1978-1979 and the first group of the department graduated in 1982-1983 with a 5-year study period. Higher studies of the department started in 1996-1997 with the inauguration of Masters degree and continued till the current year 2025-2026. In addition to the scientific and educational activity of the department it actively contributes to the realization of a large number of projects and construction projects in the city of Mosul and beyond by providing consultancy in other fields at the university level and abroad. The department has also participated in numerous local architecture competitions and international seminars. In the academic year 2025-2026 the department now has a teaching staff of 60 people to cover micro-disciplines in the disciplines of architectural engineering including some engineers. And the department continues to provide its services through modern laboratories and events that meet the needs of students through a new department building last year under the supervision of the staff and the dean of the engineering faculty and the dean of Mosul University.

### **3. Program Goals**

The strategic goals of the Department of Architecture are aligned with the vision of the University of Mosul and the Faculty of Engineering with a focus on playing a leading role in the engineering education process and producing an experienced generation capable of taking on responsibilities in and outside Iraq. Strive to achieve the goal of sustainable national development by promoting community service through various educational means and promoting the desired progress of full national awakening through sound scientific research. This is achieved through:

- Preparation of qualified personnel in various fields of knowledge as per high quality specifications.
- Promote scientific research in theoretical and applied sciences to promote trends related to development programs monitor global scientific developments and project future trends.
- Continued development of introductory and advanced courses in line with contemporary developments in methodology and technical understanding
- Participation in community service by developing direct and continuous contact with national institutions for scientific advice and continuing education programs
- Integrating architecture with various fields of engineering and building relationships with them as a basis for renaissance
- Emphasize the role of architecture in building society and restoring the human environment.
- Creation of a staff of architecture graduates and methods in accordance with scientific laws in the protection of heritage and inheritance in the

field of architecture and urban planning in urban design and interior and Landscape design.

- Implement a clear practical program focusing on sustainable technology details in line with developments in the developed world by providing a rules-based construction education program based on modern techniques in engineering and technology.
- Focus on the quality of academic courses in architecture through ongoing renewal of specialization course selection and preparation of self-evaluation reports aimed at academic accreditation.
- Strengthen the faculty of the Department of Architectural Engineering and increase the ratio of PhD degree holders compared to Master's degree holders.
- Interested in designing applied and applied scientific research projects to develop partnerships and relationships with recognized institutions and universities.
- Support the departments mission by developing the skills and abilities of alumni developing continuing professional education and maintaining relationships with them.

During the academic year students of the Faculty of Architectural Engineering prepare to practice engineering by acquiring knowledge and vocabulary from approved academic vocabulary to study architectural engineering related to various fields of knowledge as follows:



#### 4. Student Learning Outcomes:

- An ability to distinguish, identify, define, formulate, and solve engineering problems by applying principles of engineering and mathematics
- The ability to produce engineering designs that meet desired needs within specified constraints by applying analysis and synthesis processes in the design process

- The ability to carry out appropriate measurements and test while ensuring quality, analyze and interpret results and ability to conduct engineering judgment on them to reach conclusions
- Ability to communicate effectively with a rang of people and editorially with various managerial levels
- The ability to recognize ethical and professional responsibilities in engineering and societal issues
- Ability to work collectively within the engineering team and meet deadlines within the ethics of the engineering profession

## 5.Academic Staff

الاسم الرباعي واللقب	اسماء التدريسيين بالانكليزية	التخصص الدقيق	التخصص العام	رقم الموبايل	الايمل الرسمي
ا. م. د. احمد عبدالواحد ذنون طه	Ahmed Abdulwahid Dhannoon Taha	عمارة اسلامية	هندسة العمارة	07736977235	ahmadabdulwahid@uomosul.edu.iq
ا. م. د. احمد يوسف محمود العمري	Ahmed Yousif Mahmood Alomary	عمارة فضاءات خارجية	هندسة العمارة	07704058503	ahmed.alomary@uomosul.edu.iq
ا. م. د. اسماء حسن طه الدباغ	Asma Hasan Taha Al-Dabbagh	نظرية العمارة	هندسة العمارة	07721280936	asma.dabbagh@uomosul.edu.iq
ا. م. د. حسن عبد الرزاق حسن السنجرى	Hasan Abdulrazzaq hasan al-sanjary	اسكان	هندسة العمارة	07736976853	Hasan.sanjary@uomosul.edu.iq
ا. م. د. ضحى عبدالغنى عبدالعزيز القزاز	Dhuha Abdulgani Abdulaziz Al-kazzaz	طرائق التصميم المعماري	هندسة العمارة	07701844334	dhuha.kazzaz@uomosul.edu.iq
ا. م. د. عماد هاني اسماعيل العلاف	Emad Hani Ismaeel Al-Allaf	تصميم حضري - تكنولوجيا استثمار التراث العمراني	هندسة العمارة	07736977221	emad.hani.ismaeel@uomosul.edu.iq
ا. م. د. عمر حازم أحمد خروفة	Omar Hazim Ahmed Kharofa	عمارة مستدامة	هندسة العمارة	07702075965	omar.kharufa@uomosul.edu.iq
م. د. احمد يعرب غانم توحلة	Ahmed Yaroub Ghanem Tohala	تخطيط حضري	هندسة العمارة	07701696617	ahmadtohala@uomosul.edu.iq
م. د. اسامة حمادي على النعيمي	Usama Hammadi	تصميم حضري	هندسة العمارة	07701618137	<a href="mailto:usamahumadi@uomosul.edu.iq">usamahumadi@uomosul.edu.iq</a>
م. د. بسام احسان عبد القادر الحافظ	Bisam Ehessan Abdulakader Alhafiz	تكنولوجيا العمارة	هندسة العمارة	07729683224	bisam.alhafiz@uomosul.edu.iq
م. د. حسان محمود قاسم	Hassan Mahmood Kasim	نظرية وتاريخ العمارة	هندسة العمارة	07701682175	hassan.kasim@uomosul.edu.iq
م. د. حسين سلمان عبدالله البوتاني	Hussein Salman Abdullah Al-Botany	عمارة مستدامة	هندسة العمارة	07733736937	hussein.salman@uomosul.edu.iq

Khalud.j.aldeen@uomosul.edu.iq	07736948562	هندسة العمارة	نظرية وتاريخ العمارة	Khalid J.aldeen ismail	أ.م. د. خالد جمال الدين اسماعيل
khawola.mahmoud@uomosul.edu.iq	07736976979	هندسة العمارة	هندسة معمارية/تصميم معماري	khawola faith mahmoud	أ.م. د. خولة فياض محمود الداوودي
reemalothman@uomosul.edu.iq	07717881532	هندسة العمارة	التصميم البيئي	Reem Ali Talib Alothman	م. د. ريم علي طالب العثمان
odaychalabi@uomosul.edu.iq	07738501386	هندسة العمارة	تصميم داخلي	Oday Qusay Abdulqader Alchalabi	أ.م. د. عدي قصي عبد القادر الجلبلي
omar.sabah@uomosul.edu.iq	07701713441	هندسة العمارة	اداء المباني	OMAR ADIL SABAH ALHIALY	م. د. عمر عادل صباح الحيايلى
faris.matloob@uomosul.edu.iq	07736976784	هندسة العمارة	التصميم الحضري المستدام	Faris Ataallah Matloob Alzubaidy	أ.م. د. فارس عطاالله مطلوب الزبيدي
Mozahim.hadidi@uomosul.edu.iq	07709973490	هندسة العمارة	نظرية وتصميم معماري	Mozahim Mohammed mustafa Al Gadhaa	م. د. مزاحم محمد مصطفى الجدعة
ghadayounis@uomosul.edu.iq	07701786191	هندسة العمارة	التصميم المعماري	Ghada Mohammed Younis	ا. م. غادة محمد يونس الجمعة
raedalnumman@uomosul.edu.iq	07736977238	هندسة العمارة	تصميم معماري	Raed Salim Ahmed ALnumman	ا. م. رائد سالم احمد النعمان
mazinjaber@uomosul.edu.iq	07724229903	هندسة العمارة	تخطيط واسكان	Mazin Jabir Omar Alneema	ا. م. مازن جابر عمر النعمة
miqdamameen@uomosul.edu.iq	0771737232	هندسة العمارة	تصميم معماري	Miqdam Ameen Majeed Al-Kurukchi	ا. م. مقدم امين مجيد الكركجي
nasma.thabet@uomosul.edu.iq	07736977226	هندسة العمارة	تصميم ونظرية عمارة	Nasma Maan Mohammed Thabit	ا. م. نسمة معن محمد ثابت
ahmed.alfakhry@uomosul.edu.iq	07701601942	هندسة العمارة	تكنولوجيا عمارة	Ahmed Abdulwahab Mohammad Nori Alfakhry	أ.م. احمد عبدالوهاب محمد نوري الفخري
Ashraf.ibrahim@uomosul.edu.iq	07701607511	هندسة العمارة	نظرية عمارة	Ashraf IBRAHIM MAHMOOD AL HAFODY	م. اشرف ابراهيم محمود الحفوظي
anwar.meshal@uomosul.edu.iq	07736977013	هندسة العمارة	نظرية عمارة (عمارة اسلامية)	Anwar Meshal shareef al-gabbsha	م. انوار مشعل شريف الغبشة
bayda.saffo@uomosul.edu.iq	07703885884	هندسة العمارة	نظرية عمارة	Bayda Hanna Saffo Meteti	م. ببداء حنا صفو مئيتي
new.matrix242@uomosul.edu.iq	07702508294	الهندسة المدنية	ماجستير (انشاءات)	Tuqa Waleed Ahmed Al Se'edy	م. تقى وليد أحمد السعيدى
Talaat.alaane@uomosul.edu.iq	07510339492	هندسة العمارة	التصميم المعماري	Talaat Ibrahim Mohammed Alaane	م. طلعت ابراهيم محمد العاني
amer.alazawi@uomosul.edu.iq	07704258854	هندسة العمارة	تصميم معماري	Amer Abdullah Fathi Alazawi	م. عامر عبدالله فتحي العزاوي
Luma.m.yahya@uomosul.edu.iq	07701788662	هندسة العمارة	تكنولوجيا العمارة	Luma Mohamad yahya aldaly	م. لى محمد يحيى الدلى
Esraa.Malallah@uomosul.edu.iq	07736977028	هندسة العمارة	إسكان	Esraa Malallah Aziz Alokidi	م. م. اسراء مال الله عزيز العكيدى

aseel.ibrahim@uomosul.edu.iq	07705991996	هندسة العمارة	تصميم معماري	ASEEL IBRAHIM KHALIL ALHABEEB	م. م. اسيل ابراهيم خليل الحبيب
Anfal.azzam@uomosul.edu.iq	07503241449	هندسة العمارة	تصميم معماري	Anfal Azzam Mohammed Hamodat	م. انفال عزام محمد حمودات
ayad.waleed.jalal@uomosul.edu.iq	07736977069	هندسة العمارة	نظرية العمارة	Ayad Waleed Jalal	م. م. اياد وليد جلال
emanalmoula@uomosul.edu.iq	07736977259	هندسة العمارة	نظرية عمارة	Eman Khalid Mohammad almoula	م. م. ايمان خالد محمد المولى
rawia.dabdoob@uomosul.edu.iq	07511191279	هندسة العمارة	هندسة خدمات بناء	Rawia Marwan Abdul Aziz Dabdoob	م. م. راوية مروان عبدالعزيز ديدوب
zubaidanadhim@uomosul.edu.iq	07736977253	هندسة العمارة	نظرية عمارة	Zubaidah Nadhem Mahmood AL Zubaidi	م. م. زبيدة ناظم محمود محمد الزبيدي
shaimaa.aldabbagh@uomosul.edu.iq	07701663733	هندسة العمارة	هندسة العمارة	Shaymaa Khairudeen Abdulqader Aldabbagh	م. م. شيماء خير الدين عبدالقادر الدباغ
adil.khalil@uomosul.edu.iq	07736976994	هندسة العمارة	العمارة والبيئة	Adil Khalil Qasim Alkhatony	م. م. عادل خليل قاسم الخاتوني
mafaz.tarek@uomosul.edu.iq	07705285111	هندسة العمارة	عمارة	Mafaz Tariq Yousef Al-Abbasi	م. م. مفاز طارق يوسف العباسي
maha.akram@uomosul.edu.iq	07736977018	هندسة العمارة	تخطيط حضري	Maha Akram	م. د. مها اكرم سعد الله الحنكاوي
Maysaa.moffeq@uomosul.edu.iq	07736977240	هندسة العمارة	تكنولوجيا العمارة	Maysaa Mofeq yones Alobaidi	م. ميساء موفق يونس العبيدي
Waleed.sami@uomosul.edu.iq	07703076700	هندسة العمارة	تصميم داخلي	Waleed Sami mustafa Al Abd Alkareem	م. م. وليد سامي مصطفى العبد الكريم
awadjasim72@uomosul.edu.iq	07701776969	هندسة العمارة	نظرية عمارة وعمارة اسلامية	Farhan Awad Jasim Al tai	م. د. فرحان عواد جاسم الطائي
sinan.mohammad@uomosul.edu.iq	07703853581	هندسة العمارة	نظريات العمارة والتصميم	Sinan Mohammad Talee Al-Saffar	م. د. سنان محمد طليح الصفار
abd.sarraf@uomosul.edu.iq	07736976825	هندسة العمارة	نظرية العمارة	Abdullah Abdulrhman Abdullah Alsarraf	م. د. عبدالله عبدالرحمن عبدالله الصراف
mohammed.mahfoodh@uomosul.edu.iq	07736976985	هندسة العمارة	تكنولوجيا عمارة	Mohammed Mahfoodh Taha Huyale	م. م. محمد محفوظ طه الحيايلى
ebtisamalsawaf@uomosul.edu.iq	07710701015	هندسة العمارة	عمارته وبيئة	Ebtisam Sameer idress alsawaf	م. د. ابتسام سمير ادريس الصواف
Ekbal.alsoofee@uomosul.edu.iq	0774089555	هندسة العمارة	تصميم حضري	Iqbal Salim Younus	م. د. اقبال سالم يونس عبد الباقي حمو الاحمد
Fahad.Akram@uomosul.edu.iq	07736976862	هندسة مدني	انشاءات	Fahad.Akram saeed	م. د. فهد اكرم سعيد احمد الحسيني
russul.aloabidi@uomosul.edu.iq	7705130031	هندسة العمارة	تصميم داخلي	Russul saad mahmood	م. م. رسل سعد محمود
Rana,mahfoodh @uomosul.edu.iq	07706377739	هندسة العمارة	طرائق تصميم متقدم	Rana,mahfoodh Hamid AL-	م. د. رنا محفوظ حامد محمد الدليمي

				Dulaimi	
Luma_aldabagh@yahoo.com	07701753876	هندسة العمارة	تصميم معماري	Lama Abdul Wahab Muhammad Ali Taha al-Dabbagh	م.م. لمى عبدالوهاب محمد علي طه الدباغ
Raad.salih @uomosul.edu.iq	07714045871	هندسة العمارة	عمارة اسلامية	Raad salih sultan AL-Harbi	م.م. رعد صالح سلطان مصطفى الحربي
Engbuai2013@uomosul.edu.iq	07719671361	هندسة العمارة	عمارة بيئية	Obuai taha salah Ibrahim alwazzan	م.م. ابي طه صالح ابراهيم الوزان

## 6. Credits, Grading and GPA

### Credits

Mosul University is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 300 , 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

### Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 – 100	Outstanding Performance
	B - Very Good	جيد جدا	80 – 89	Above average with some errors
	C - Good	جيد	70 – 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 – 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 – 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
<p><b>Note:</b> Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.</p>				

### Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 5-year B.Sc. degree:

$$\text{CGPA} = [ (1\text{st module score} \times \text{ECTS}) + (2\text{nd module score} \times \text{ECTS}) + \dots ] / 300$$

## 7. Curriculum/Modules

### Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 111	Architecture Design and Graphic (1)	123	177	12.00	C	
ARC 112	Descriptive geometry & Engineering Drawing	63	87	6.00	S	
ARC 113	Art & Architecture	33	67	4.00	C	
ARC 114	Mathematics (1)	78	22	4.00	B	
UOM 1011	Arabic Language (1)	33	17	2.00	B	
UOM 1040	Democracy & Human Rights	32	18	2.00	B	

### Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 121	Architecture Design and Graphic (2)	123	177	12.00	C	
ARC 122	Free Hand Drawing (1)	63	62	5.00	S	
ARC 123	Construction and Building Materials	48	52	4.00	C	
ARC 124	Mathematics (2)	78	22	4.00	B	
UOM 1031	computer (1)	63	12	3.00	B	
UOM 1021	English Language (1)	33	17	2.00	B	

**Semester 3 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 211	Architecture Design (1)	153	147	12.00	C	
ARC 212	History of Ancient Architecture	33	42	3.00	C	
ARC 213	Building Construction	63	37	4.00	B	
ARC 214	Graphic and Architectural Presentation	63	12	3.00	S	
ARC 215	Computer Architectural Drawing 2D	63	37	4.00	C	
UOM 2050	Crimes of Ba'ath Regime in Iraq	33	17	2.00	B	
UOM 2022	English Language (2)	33	17	2.00	B	

**Semester 4 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 221	Architecture Design (2)	153	147	12.00	C	
ARC 222	Free Hand Drawing (2)	63	12	3.00	S	
ARC 223	Physics (1)	63	37	4.00	C	
ARC 224	Computer Architectural Drawing 3D	63	12	3.00	B	ARC 215 Computer Architectural Drawing 2D
ARC 225	Science of Mechanics	33	42	3.00	C	
UOM 2032	computer (2)	63	12	3.00	B	
UOM 2012	Arabic Language (2)	33	17	2.00	B	

**Semester 5 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 311	Architecture Design (3)	153	147	12.00	C	
ARC 312	Working Drawings (1)	63	12	3.00	C	
ARC 313	Computer Rendering Techniques	48	27	3.00	C	ARC 225 Computer Architectural Drawing 3D
ARC 314	Principles of Housing	33	42	3.00	C	
ARC 315	Reinforced Concrete Design	33	42	3.00	S	
ARC 316	Physics(2)	63	12	3.00	B	

**Semester 6 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 321	Architecture Design (4)	153	147	12.00	C	
ARC 322	Survey and Architectural Documentation	63	37	4.00	S	
ARC 323	Physics Laboratory	48	52	4.00	C	
ARC 324	Physics ( 3 )	33	42	3.00	S	
ARC 325	Working Drawings (2)	63	37	4.00	C	
ARC 326	Principles of Planning	33	42	3.00	S	

**Semester 7 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 411	Architecture Design (5)	153	147	12.00	C	
ARC 412	Interior Design	78	72	6.00	C	
ARC 413	Theories of Architecture	33	42	3.00	C	
ARC 414	Steel Design	63	37	4.00	S	
ARC 415	Building Techniques	33	42	3.00	S	
ARC 416	Physics ( 4 )	33	17	2.00	E	

**Semester 8 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 21	Architecture Design (6)	153	147	12.00	C	
ARC 422	Regional Contemporary Architecture	33	42	3.00	C	
ARC 423	Theories of Urban Design	63	37	4.00	C	
ARC 424	Science of Statistics	63	37	4.00	B	
ARC 425	Landscape Design	78	47	5.00	C	
ARC 426	Engineering Project Design & Planning	33	17	2.00	C	

**Semester 9 | 30ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 511	Graduation Project (1)	123	77	8.00	C	
ARC 512	Architectural Conservation	33	42	3.00	C	
ARC 513	Estimation and specification	33	42	3.00	S	
ARC 514	Computer Aided Design Methods	33	42	3.00	C	
ARC 515	Urban Design	153	97	10.00	C	ARC 423 Theories of Urban Design
ARC 516	Smart Building Systems	33	42	3	E	

**Semester 10 | 30 ECTS | 1 ECTS = 25 hrs**

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 521	Graduation Project (2)	153	222	15.00	C	ARC 511 Graduation Project (1)
ARC 522	Ethics and Professional Practice	33	42	3.00	S	
ARC 523	Islamic Architecture	33	42	3.00	C	
ARC 524	Projects Management	33	42	3.00	S	
ARC 525	Physics ( 5 )	33	42	3.00	C	
ARC 526	Architectural Details	33	42	3.00	E	

## **8. Contact**

Name: Assist. Prof. Dr. Omar H. Kharofa

Mailing address: University of Mosul - College of Engineering-Architecture Engineering Dept.

Telephone number: 07702075965

E-mail address: [omar.kharufa@uomosul.edu.iq](mailto:omar.kharufa@uomosul.edu.iq)

Primary pre-visit contact person: Assist. Prof. Dr. Omar H. Kharofa