



Architecture Program Specifications

Workshop Participants Committee

On 10 March 2022

1. Associate Prof. Dr. Ahmed Emad
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May - 2022



1. Program Identification and General Information:		
1	Scientific name of the program:	<i>Architecture</i>
2	Total credit hours required to award the degree	<i>(147) Credit Hours</i>
3	Number of years needed for completion of the program:	<i>4 Years [8 Academic semesters]</i>
4	The body responsible for granting the degree:	<i>International Malaysian University</i>
5	The body responsible for the program:	<i>Department of Architecture, Faculty of Engineering & Information Technology</i>
6	Award granted on completion of the program:	<i>Bachelor of Architecture</i>
7	Study system:	<i>Regular attendance</i>
8	Study Language of the Program:	<i>English</i>
9	Entry requirements:	<i>Secondary School Certificate (Scientific Section)</i>
10	Departments participating in the program:	<i>All An engineering Departments at Faculty of engineering and Information Technology</i>
11	Starting year of the program:	<i>2022/2023</i>
12	Study methods in the program:	<i>Full time.</i>
13	Location of Delivery:	<i>International Malaysian University, The Faculty of Engineering and</i>

		<i>Information Technology</i>
14	The program resources:	<i>International Malaysian University</i>
15	Minimum grade requirements:	<i>As per the admission rules of Ministry of Higher Education and Scientific Research, Republic of Yemen</i>
16	Other admission requirements:	<i>According to the University Rules and Regulations</i>
17	Date of current development of the program:	<i>Sep. 2021 Approved Dec./2021</i>
18	Prepared by:	<i>1. Associate Prof. Dr. Ahmed Emad 2. Assistant Prof. Dr. Abdelfattah Alwh 3. L. Abdelkarim Alsamoomi</i>
19	Program coordinator:	<i>L. Abdelkarim Alsamoomi</i>

2. Introduction:

International Malaysian University and, The Faculty of Engineering and Information Technology's Vision want to be Excellence in its programs, one of them The Architecture Engineering Program which committed to provide professional Architecture engineers ready for market practice or for continuing further postgrad studies in the field of Architecture Engineering and related disciplines. We seek to empower our alumnae with the competences and attributes needed for the development of the profession and local communities in Yemen and in the region.

- Justifications:

There are many justifications that led to the necessity of introducing an architecture program, the most important of which are:

- 1. The architecture program is considered one of the qualitative specializations that gives wider opportunities in the labor market, and it is the specialization that is most closely related to the practical aspect in the engineering field.*
- 2. The architecture specialization fills a large proportion of the social requirements and market needs.*
- 3. Existence of opportunities to work individually or collectively.*
- 4. Availability of a specialized and qualified teaching staff in the field of architecture and a distinguished administrative staff.*
- 6. The existence of a distinct infrastructure represented in the appropriate educational building, classrooms equipped with modern educational means, appropriate and modern laboratories, and a distinguished library.*

Promising Jobs:

- Implementing Engineer*
- Project Manager*
- a supervising engineer*
- construction technology*
- Architectural drawing*
- interior architecture*
- architecture*
- Engineering projects companies*

3. University Vision, Mission, Values, Objectives, and Goals:

3.1-University vision:

A university environment that is scientifically distinguished, innovative in research, and

socially supportive

3.2-University mission:

Providing a distinguished educational service, to prepare outputs with integrated knowledge and skills, in line with the requirements of the profession and the needs of the labour market, through advanced educational programs, an encouraging learning environment, skilled human resources, and an effective national, Arab and international partnership.

3.3-University Core values:

- 1- *Commitment*
- 2- *Professional*
- 3- *Quality*
- 4- *Teamwork*
- 5- *Transparency and Accountability*
- 6- *Partnership*

3.4-Special University Objectives (Educational):

- 1- *Providing students with the necessary knowledge, skills and values in the medical, engineering, technical, administrative and financial fields required by the local and regional labour market, and evaluating them using modern scientific methods.*
- 2- *Preparing scientific and professional graduates to keep abreast of the knowledge developments in the various fields of sciences in a way that achieves a high level of professional practice in the labour market with all efficiency and competence.*
- 3- *Design students' learning experiences by providing an academic, advising and social environment that supports creativity, distinction, innovation, and*

refinement of talents, and enriching student services and facilities and meeting their needs in a way that achieves their aspirations and future aspirations

- 4- *Providing quality education that encourages creativity and innovation by providing a learning and research environment that supports an in-depth and clear understanding of the priority problems in Yemeni society and methods for their solution.*
- 5- *Contributing to the support and development of Yemeni society and its service through awareness-raising activities, and providing professional development services, continuing education and counselling to the various sectors related to the university's specializations.*
- 6- *Keeping up with the successive developments in information and communication technologies and employing them in the specifications of academic programs in terms of content, teaching methods and evaluation.*
- 7- *Communicate and cooperate in a more effective manner with the community with the aim of increasing local and regional relations in a way that improves Yemen's level and its historical reputation in an international context.*

3.5-Strategic goals (Strategic):

1. *Expanding the infrastructure, completing the laboratory requirements, the main scientific references, and the electronic administrative and financial systems. Improving the quality and quality of undergraduate and graduate academic programs to meet the needs of the individual and society.*
2. *Attracting, selecting and installing 30% of the faculty members and their assistants in accordance with the conditions and standards, and developing their skills in a professional context. Work to attract qualified academic and administrative human cadres, develop and invest them on a professional and ethical basis in achieving the vision and mission of the university.*

3. *Governance of the university in a way that enhances the principles of transparency, integrity and accountability and contributes to the shift towards decentralization and the consolidation of independence and institutional work. Finding effective and tangible solutions for the infrastructure necessary for the educational process, in a way that ensures its sustainability, in accordance with generally accepted standards.*
4. *Reviewing and developing the scientific departments and their academic and engineering programs in light of the market requirements and needs.*
5. *Graduating national cadres armed with sufficient knowledge and professional skills, and enhancing their scientific and research standing at the local, Arab and international levels.*
6. *Supporting and guiding scientific research in accordance with the research map and the priorities of comprehensive national development.*
7. *Finding an effective policy in achieving the scientific, advisory and service partnership at the national, Arab and international levels.*

4. Faculty Vision, Mission, Values, and Objectives:

4.1-Vision:

Excellence in engineering education and scientific research locally and regional competition to provide meaningful community service

4.2-Mission:

Providing a distinguished education service to prepare graduation qualified academically, research, professional capable of thinking, creativity and competition through the provision of modern engineering and technical programs in accordance

with quality standards and the requirements of the local and regional labour market.

4.3-Values:

1. Excellence
2. Professional
3. Lifelong learning
4. Work in a team
5. Partnership

4.4-Faculty Objectives (Educational):

1. *Providing modern and quality programs in accordance with quality standards that keep pace with the rapid development and changing requirements of the labor market in the fields of engineering and information technology to meet the needs of local and regional communities.*
2. *Preparing creative engineers and programmers who are able to think, innovate and compete in the local and regional labour market and contribute effectively to the development of societies through problem solving, development and scientific research.*
3. *Continuous development of the college departments by updating programs, plans, courses, educational resources and means to keep pace with educational development in the fields of engineering and information technology.*
4. *Strengthening the partnership between the college and the community through scientific research, providing training and consulting, and adopting research and applied projects in partnership with relevant institutions.*
5. *Encouraging and supporting scientific research through the acquisition and provision of scientific periodicals and specialized books, holding workshops, seminars and scientific conferences, and enhancing communication, cooperation and exchange of experiences with corresponding colleges in Yemeni, Arab and*

international universities.

5. Department Vision, Mission, Values, and Objectives:

5.1- Department Vision:

A pioneer locally and regional excellence in preparing and qualifying architectural engineering persons with high efficiency in accordance with quality standards

5.2- Department Mission:

Qualifying distinguished and competitive persons in the fields of architecture to meet the needs of the local and regional community, by providing quality educational programs inspired by local and heritage values in a modern and advanced architectural style and according to national quality standards.

5.3- Department Values:

1. *Excellence*
2. *Professional*
3. *Lifelong learning*
4. *Work in a team*
5. *Partnership*

5.4- Department Objectives- :

1) Preparing licensed specialists in architecture who are distinguished by basic and advanced knowledge in various fields of architecture and applying them with comprehensive scientific skills in various related fields.

- 2) *To raise the value of engineering education as an entry point for development. Contribute to providing the local and regional community with specialized persons in architecture working to meet the needs and solve related problems.*
- 3) *Continuously updating and developing the program to keep pace with modern and rapid changes and in line with national quality requirements.*
- 4) *Supporting and adopting the distinguished scientific achievements of students and faculty members.*
- 5) *Activating the partnership with the relevant governmental and private institutions, bodies and agencies.*
- 6) *To provide students with communication and leadership skills, to work independently and in a team spirit, and to demonstrate commitment to social, legal and moral responsibility.*

6. Program Mission and Objectives:

6.1- Program Mission:

Preparing graduates of specialists in the field of architecture by providing them with professional and general knowledge and skills in accordance with national standards, to compete in the labor market, meet the needs of society and sustainable development within the framework of cooperation with various community agencies and institutions, in addition to enriching applied sciences through research results Scientific.

6.2-Program Objectives- :

1. *Providing students with basic and advanced knowledge in the various fields of architecture and its application in various related fields.*

2. *Develop what the student possesses of scientific skills and gradually nourish the creative-technical skills.*
3. *Enhancing creative and innovative thinking using modern scientific methods.*
4. *Contribute to providing the local and regional community with cadres specialized in architecture working to meet the labor market and solve related problems.*
5. *Continuously update and develop the program to keep pace with modern and rapid changes and in line with national quality requirements.*
6. *Supporting and adopting the distinguished scientific achievements of students and faculty members.*
7. *Activating the partnership with the relevant governmental and private institutions, bodies and agencies.*
8. *Building bridges of cooperation and knowledge exchange between the program and the corresponding programs in public and private universities, as it contributed to knowledge development.*
9. *To provide students with communication and leadership skills, to work effectively alone or within a work team, and to demonstrate commitment to social, legal and moral responsibility.*

7. Program Standards & Benchmarks:

7.1- Program Standards: -

A. Academic Standards:

1. *National Academic Reference Standards (NARS) For Undergraduate Engineering Programs, (Architecture) Yemen, First Edition, Council for Accreditation & Quality Assurance, Yemen, May 2018.*
2. *National Accreditation Standards for locally accredited 2021.*
3. *ABET, (Accreditation Board for Engineering and Technology)*
4. *Europe: The Accreditation, Certification and Quality Assurance Institute (ACQUIN), Germany.*
5. *Europe: Quality Assurance Agency (QAA), UK.*
6. *Asia: National Assessment and Accreditation Council (NAAC), India.*
7. *USA: National Association of Schools of Art and Design (NASAD), Reston-Virginia.*
8. *USA: The Middle States Commission on Higher Education (MSCHE), Pennsylvania.*

B. Strategies: -

- 1- *University Strategy .*
- 2- *Faculty Strategy .*

C. Rules and Regulation :-

- 1- *Higher Education rules*
- 2- *Private Education Laws*

3- *Student affairs regulation.*

7.2- Program Benchmarks:

1. *Faculty of Engineering, University of Science and Technology, Yemen*
2. *Faculty of Engineering and Information Technology, Al-Saeed University, Yemen*
3. *Al-Razi University, College of Engineering and Information Technology, Department of Architecture and Design, Interior Design Program, Yemen.
<https://alraziuni.edu.ye/en>*
4. *Faculty of Engineering and Technology, United Arab Emirates University, UAE.*
5. *Gulf University, College of Engineering, Architectural and Interior Design Engineering, Interior Design Engineering Program, Bahrain
<https://www.gulfuniversity.edu.bh/en/>*
6. *University of Bahrain, College of Engineering, Architecture & Interior Design Dept., Interior Design Program, Bahrain. <http://www.uob.edu.bh/>.*
7. *College of Architecture, Polytechnic State, USA*
8. *Department of Architecture College of Engineering and Applied Sciences Cincinnati USA*

8. Graduate Attributes:

Upon successful completion of an undergraduate Architecture program at International Malaysian University, graduates will be able to:

1. *Creative and innovative thinking during design and planning processes.*

2. *Apply knowledge of traditional and contemporary mathematics, science, and architecture to related fields of engineering or fine arts.*
3. *Demonstrate an understanding of building systems, building materials, and characteristics of architectural and urban heritage in local and global culture.*
4. *Designing/planning the appropriate architectural environment systems, components and processes to meet the needs of the community.*
5. *Collecting and analyzing previous studies, information and databases to take appropriate decisions to solve various related design problems.*
6. *Combine and reconcile disparate design determinants and sustainability requirements to distinguish between alternative design solutions using appropriate engineering techniques, skills, tools, and software.*
7. *Managing sites and working in teams as a member/leader.*
8. *Continuous planning for rehabilitation and continuous development.*
9. *Considering the relevant rules, regulations and ethics while performing the task.*
10. *Engage in continuing education and the ability to effectively communicate with the public and write reports.*

9. Program Intended Learning Outcomes (PILOs):

A. Knowledge and Understanding:

Upon successful completion of the undergraduate Architecture Program, the graduates will be able to:

- A1. *A1. Use knowledge of mathematics and basic sciences in architecture.*

- A2. A2. Describe the methodologies of solving various design and planning problems
- A3. A3. Explain the principles and foundations of design, planning and other various applications
- A4. A4. Consider the cultural, technical, social, environmental, economic and professional issues related to architecture and urbanization.
- A5. A5. Describe the principles of management, implementation, methods of construction, techniques, characteristics of building materials and traditional and modern building legislation.
- A6. A6. Adhere to the principles and applications of sustainability.
- A7. A7. Explain the theories and history of architecture and urban planning.

B- COGNITIVE/INTELLECTUAL SKILLS:

Upon successful completion of the undergraduate Architecture Program, the graduates will be able to:

- B1. Engage imagination, think creatively, be innovative, and provide design leadership.
- B2. Gather information from a variety of sources, define problems, get ideas, apply analysis and critical judgment, and select appropriate strategies for design process.
- B3. Act with knowledge of historical and cultural precedents in local and world architecture, to inspire design concepts.
- B4. Act with knowledge of the fine arts as an influence on the quality of Architecture design and planning with society, clients, users, natural systems, built environments and technical competence in the use of building.

C. Practical and Professional Skills:

Upon successful completion of the undergraduate Architecture Program, the graduates will be able to:

- C1. Prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief.*
- C2. Employ basic knowledge of architectural engineering management and quality assurance procedures.*
- C3. Investigate critical appraisal and select the alternative structural, constructional and material systems relevant to architectural design.*
- C4. Prepare designs that will meet building users' requirements and comply with rules, appropriate performance standards and health and safety requirements.*

D. General and Transferable Skills:

Upon successful completion of the undergraduate Architecture Program, the graduates will be able to:

- D 1. Work productively as an individual and as a member/ leader and a member within a multidisciplinary team.*
- D 2. Communicate effectively orally and in written forms.*
- D 3. Manage tasks, time, resources and fundamental cost in a stressful environment.*
- D 4. Apply ethical principles and commit to professional ethics.*
- D 5. Develop self-independent and life-long learning skills.*
- D 6. Deliver presentations to different kinds of audiences.*
- D 7. Prepare and present effective technical reports.*

D 8. Conduct searches of literature, database and other sources of information.

D 9. Respond to the needs and aspirations of building users.

10. Teaching and Learning Strategies:

- *Interactive lectures,*
- *Discussion / Tutorial,*
- *Seminars,*
- *Computer laboratory sessions,*
- *Directed self- study,*
- *Practical sessions,*
- *Feed-back learning,*
- *Individual and group projects*
- *Field training and site visits*

Teaching Strategy	Description
<i>Interactive lectures</i>	<p><i>It is the most frequently employed teaching method to convey knowledge and explain theories to students in large groups (50-100) or in sessions, which consist of more than one group gathered in one classroom.</i></p> <p><i>The efficiency of lecturing can be enhanced by using techniques such as Brain-storming: It depends on stimulation of the student`s brain through a group of questions &/or Concepts map: which depends on sequencing of thoughts in the form of maps with horizontal or vertical relations & by using learning aids such as Data show projector.</i></p> <p><i>Used in most courses.</i></p>

Teaching Strategy	Description
Discussion / Tutorial	<i>A short lecture for small groups of students (2-5), discussing design methods and theories through interactive debate with students. Used in different design courses, such as history of architecture, esthetic and criticism, and specialized theoretical subjects.</i>
Seminars	<i>Mainly used with small groups of students (10-30) where students individually or in groups review the information they have gathered in seminars, and find better opportunities for discussion and participation in educational groups. Used in most courses and according to the course plan.</i>
Computer laboratory sessions	<i>Average number of students in session (20-30) students. Used in "computer skills" course and different graphic applications.</i>
Practical sessions	<i>Students practice in the field (collect information and survey the actual and physical status of design sites) individually or in a small group (2-5). Used in courses included practical parts.</i>
Directed self-study	<i>Students are encouraged to undertake independent study outside of the timetabled hours to both supplement and consolidate what are being learned. The appropriate reference books and web-based material are expected to be read to supplement material presented during lectures.</i>
Feed-back learning	<i>Students are individually asked to do perform quick tests (quiz) or to do certain assignments such as lab. experiments, problems solving, home works, topics summarizing or internet search. The teacher will provide them feed-back correction &</i>

Teaching Strategy	Description
	<i>evaluation.</i> <i>Used in most courses whenever necessary in particular when assignment and practical works are employed in the courses.</i>
Individual and group projects	<i>Students work on a project in groups of 2 to 3 students. Important for learning by doing, using the results in practical manner & for promoting team work skills. Used in some courses: project management, design, Graduation research project.</i>
Field training and site visits	<i>Each 2-3 students are commissioned to do certain assignments in a real field, Used in projects and urban courses.</i>
Industrial visits	<i>Industrial visits are arranged to reinforce the learned theoretical aspects to the practical applicability of concepts. The industry partners selected are renowned for their excellent training material that might form some of the specialist curriculum material.</i>
Group project	<i>As a regard of system of project, students make themselves as a group to do their project.</i>

11. Assessment Methods:

- *Written tests (mid and final terms),*
- *Quizzes,*
- *Practical assessment,*
- *Computer Lab performance assessment,*
- *Assignments and homework,*

- *Report assessment,*
- *Attitude assessment,*
- *Presentation,*
- *Project work assessment.*

Assessment Strategy	Description
Written tests (mid and final terms)	<p><i>Mid-term test is conducted in the 8th week and final exam is conducted at the end of each course. Both tests are closed book, closed notes.</i></p> <p><i>Will be used in most courses.</i></p> <p><i>It is the form of the final exam of theoretical part.</i></p> <p><i>It is the form of the mid-semester exam of theoretical part.</i></p> <p><i>It can also be used for Exam of theory-practice.</i></p>
Quizzes	<p><i>Quizzes are related to previous period as well as topics discussed in the period. This helps students develop self-confidence, readiness, and accuracy in major exams.</i></p> <p><i>A predefined timed brief question will be asked to be answered by the students most likely in the form of written exam.</i></p>
Practical assessment	<p><i>Will be used in courses including practical parts.</i></p> <p><i>It is the form of the final exam of practical part.</i></p> <p><i>In this method, student will be asked to perform an practical duty or experiment and deliver the result to the</i></p>

Assessment Strategy	Description
	<i>teacher.</i>
Assignments and homework	<i>Student will be assigned to do homework paper, research, charts etc. related to the course topics. Used in most courses.</i>
Computer Lab performance assessment	<i>Measures the student's ability to model, simulate, program, design, and use IT tools efficiently.</i>
Report assessment	<i>Will be used in courses including practical parts and also courses related to filed training. A predefined template will be asked to filled by the student</i>
Attitude assessment	<i>Will be used in courses including practical parts and also courses related to filed training and graduation project courses 5-10% Marks based on the participation of the student in team-work and his/her compliance to standard procedures during practical work, field-training and graduation project.</i>
Presentation	<i>Whether oral or video-based, having students share what they have learned with their peers (or even other members of the community) can be an engaging way for learners to document and showcase their understanding.</i>
Project work assessment	<i>To demonstrate the personal skills and practical</i>

Assessment Strategy	Description
	<i>expertise that are expected to be learned and gained through the program. Graduation project assessment is explained in details in next sections.</i>

12. Alignment of Program Intended Learning Outcomes (PILOs) to Teaching Strategies and Assessment Methods:

PILOs	Teaching Strategy	Assessment Methods
<i>Knowledge and Understanding</i> A1, A2, A3, A4, A5, A6, A7	<ul style="list-style-type: none"> • Interactive lectures, • Discussion / Tutorial, • Seminars, • Directed self- study, • Feed-back learning, • Field training and site visits 	<ul style="list-style-type: none"> • Written tests (mid and final terms), • Quizzes, • Assignments and homework, • Report assessment, • Presentation, • Project work assessment.
<i>Intellectual Skills</i> B1, B2, B3, B4	<ul style="list-style-type: none"> • Interactive lectures, • Discussion / Tutorial, • Seminars, • Directed self- study, • Practical sessions, • Feed-back learning, • Individual and group projects, 	<ul style="list-style-type: none"> • Written tests (mid and final terms), • Quizzes, • Practical assessment, • Computer Lab performance assessment,

PILOs	Teaching Strategy	Assessment Methods
	<ul style="list-style-type: none"> • <i>Field training and site visits.</i> 	<ul style="list-style-type: none"> • <i>Assignments and home works,</i> • <i>Report assessment,</i> • <i>Attitude assessment,</i> • <i>Presentation,</i> • <i>Project work assessment.</i>
<p><i>Professional & practical skills</i> <i>C1, C2, C3, C4</i></p>	<ul style="list-style-type: none"> • <i>Discussion / Tutorial,</i> • <i>Computer laboratory sessions,</i> • <i>Directed self- study,</i> • <i>Practical sessions,</i> • <i>Feed-back learning,</i> • <i>Individual and group projects,</i> • <i>Field training and site visits.</i> 	<ul style="list-style-type: none"> • <i>Quizzes,</i> • <i>Practical assessment,</i> • <i>Computer Lab performance assessment,</i> • <i>Assignments and homework,</i> • <i>Report assessment,</i> • <i>Attitude assessment,</i> • <i>Project work assessment.</i>
<p><i>General & Transferable Skills</i> <i>D1, D2, D3, D4, D5, D6, D7, D8, D9</i></p>	<ul style="list-style-type: none"> • <i>Discussion / Tutorial,</i> • <i>Seminars,</i> • <i>Computer laboratory sessions,</i> • <i>Directed self- study</i> 	<ul style="list-style-type: none"> • <i>Written tests (mid and final terms),</i> • <i>Quizzes,</i> • <i>Practical assessment,</i> • <i>Computer Lab</i>

PILOs	Teaching Strategy	Assessment Methods
	<ul style="list-style-type: none"> • <i>Practical sessions,</i> • <i>Feed-back learning,</i> • <i>Individual and group projects,</i> • <i>Field training and site visits.</i> 	<p><i>performance assessment,</i></p> <ul style="list-style-type: none"> • <i>Assignments and homework,</i> • <i>Report assessment,</i> • <i>Attitude assessment,</i> • <i>Presentation,</i> • <i>Project work assessment.</i>

13. Project Assessment:	
<i>Details about how Graduation project is assessed are given in the course description files.</i>	
Item	Marks Distribution
<i>The supervisor's grade represents 30% of the project's grade.</i>	<i>30 M.</i>
<i>The project transcript score represents 30% of the project score.</i>	<i>30 M.</i>
<i>The degree of discussion of the project represents 40% of the degree of the project, as the project is discussed by a committee consisting of three doctors who specialize in the same subject.</i>	<i>40 M.</i>
Total	100

14. Training Course Assessment:

The training course will be assessed through:

- *A predefined template will be asked to be filled by the student.*
- *A predefined template will be asked to be filled by trainer's supervisor.*
- *A predefined template will be asked to be filled by department supervisor.*

15. Intended Learning Outcomes Mapping:

See below Annexes;

N	Course Title	المقررات الدراسية	نوع المقرر	Program Intended Learning Outcomes (PILOs)																							
				A. Knowledge & Understanding							B. Intellectual Skills				C. Practical Skills				D. Transferable Skills								
				A1	A2	A3	A4	A5	A6	A7	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4	D5	D6	D7	D8	D9
1.	English Language I	لغة انجليزية ١	UN													*	*	*	*	*	*					*	*
2.	Computer Skills	مهارات حاسوب	UN	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*					*	*
3.	Arabic Language I	لغة عربية ١	UN																	*	*					*	*
4.	Islamic Culture	ثقافة اسلامية	UN	*	*	*			*																		
5.	Arabic Language II	لغة عربية ٢	UN																	*	*					*	*
6.	English Language II	لغة انجليزية ٢	UN																	*	*					*	*
7.	National Culture	ثقافة وطنية	UN			*			*	*	*									*	*					*	*
8.	Arabic Israel Conflict	الصراع العربي الاسرائيلي	UN																	*	*						
9.	Probability and Statistical Fundamentals	مبادئ الإحصاء والاحتمالات	FA.		*	*													*	*						*	*
10.	Research Methods	طرق بحث	FA.	*										*	*				*	*			*	*			
11.	Mathematics	رياضيات	DEP					*	*	*	*	*	*	*	*	*	*	*	*	*	*						
12.	Occupation Ethics	اخلاقيات المهنة	DEP			*			*	*	*	*	*	*	*	*	*	*	*	*	*			*	*	*	*
13.	Project Management	ادارة مشاريع	DEP			*			*	*	*	*	*	*	*	*	*	*	*	*	*						
14.	Descriptive Geometry	هندسة وصفية	MAJ							*	*	*	*	*	*	*	*	*	*	*	*						

32.	Architectural Design (٣)	التصميم المعماري (٣)	MAJ												*	*	*	*	*	*								*	*
33.	Architectural Theories (2)	نظرية العمارة (٢)	MAJ						*	*	*	*	*	*	*	*	*	*	*	*	*								
34.	Computer Aided Design (2)	التصميم باستخدام الحاسوب (٢)	MAJ			*			*	*	*	*	*	*	*	*	*	*	*	*	*								
35.	Building Construction (2)	انشاء مباني (٢)	MAJ											*	*	*	*	*	*	*	*								
36.	History of Architecture (1)	تاريخ العمارة (٢)	MAJ	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*								
37.	Environment and Architecture	العمارة والبيئة	MAJ	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*								
38.	Architectural Design (٤)	التصميم المعماري (٤)	MAJ	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*								
39.	Landscape Design	تنسيق الموقع	MAJ			*			*	*	*	*	*	*	*	*	*	*	*	*	*								
40.	Working Design (1)	رسومات تنفيذية (١)	MAJ						*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
41.	Theory of City Planning	نظرية تخطيط مدن	MAJ																										
42.	Illumination and Acoustics	الصوت والضوء	MAJ											*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
43.	Reinforced Concrete	خرسانة مسلحة	MAJ									*	*	*	*	*	*	*	*	*	*								
44.	Architectural Design (٤)	التصميم المعماري (٥)	MAJ									*	*	*	*	*	*	*	*	*	*								
45.	Working Design (2)	رسومات تنفيذية (٢)	MAJ								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

16. Program Structure:

No	Requirements	No. of Courses	Credit Hours	L	T	P	Rational Weight %	
1	University Requirements	Compulsory	8	17	15	0	4	13.0%
		Elective	0	0	0	0	0	
2	Basic Requirements	Compulsory	--	--	--	--	--	0%
		Elective	--	--	--	--	--	
3	Faculty Requirements	Compulsory	2	5	4	2	0	3.4%
		Elective	0	0	0	0	0	
4	Department Requirements	Compulsory	3	8	6	2	2	7.0%
		Elective	0	0	0	0	0	
5	Program Requirements	Compulsory	43	117	68	3	97	77.0%
		Elective	0	0	0	0	0	
6	Field Training	Compulsory	1	Pass	0	0	0	0%
		Elective	--	--	--	--	--	
7	Project Courses (counted with prog.)	Compulsory	2	8	4	0	8	3.4%
		Elective	--	--	--	--	--	
Total:			57	147	93	7	99	100%

a. University Requirements

Compulsory Courses (8 courses/ 17 C. Hrs.)

No.	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.		MRU112	Arabic Language I	لغة عربية ١	2	2	0	0	None
2.		MRU121	Arabic Language 2	لغة عربية ٢	2	2	0	0	MRU112
3.		MRU114	English Language I	لغة انجليزية ١	2	2	0	0	None
4.		MRU122	English Language II	لغة انجليزية ٢	2	2	0	0	MRU114
5.		MRU113	Computer Skills	مهارات الحاسوب	3	1	0	4	None
6.		MRU111	Islamic Culture	ثقافة إسلامية	2	2	0	0	None
7.		MRU127	National Culture	الثقافة الوطنية	2	2	0	0	None
8.		MRU126	Arabic Israel Conflict	الصراع العربي الإسرائيلي	2	2	0	0	MRU111
Total					17	15	0	4	

Elective Courses: None

a. Faculty Requirements

Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		FAC121	Probability and Statistical Fundamentals	مبادئ الإحصاء والاحتمالات	3	2	2	0	
2		FAC132	Research Methods	طرق البحث العلمي	2	2	0	0	
Total					5	4	2	0	

Elective Courses: None

b. Department Requirements

Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.		DAR121	Mathematics	رياضيات	3	2	0	2	--
2.		DAR226	Occupation Ethics	اخلاقيات المهنة	2	2	0	0	
3.		DAR223	Project Management	ادارة مشاريع	3	2	2	0	
Total					8	6	2	2	

Elective Courses: None

c. Program Major

Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.		ART	Descriptive Geometry	هندسة وصفية	2	1	3	0	
2.		ART	Building Technology and Materials	تكنولوجيا و مواد بناء	2	2	0	0	

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
3.		ART	Building Physics	فيزياء بناء	2	1	0	2	
4.		ART	Structural Analysis	تحليل انشائي	2	2	0	0	
5.		ART	Steel Structure	منشآت معدنية	3	٢	0	2	
6.		ART	Free Hand Drawing (1)	رسم حر (١)	2	0	0	4	
7.		ART	Principles of Design	اسس تصميم	4	2	0	4	
8.		ART	Architectural Drawing	الرسم المعماري	2	0	0	4	
9.		ART	Architectural Design (1)	التصميم المعماري (١)	5	2	0	6	
10.		ART	Free Hand Drawing (2)	رسم حر (2)	2	0	0	4	
11.		ART	Architectural show	اظهار معماري	٢	0	0	٤	
12.		ART	Perspective and shades	المنظور والظلال	2	1	0	3	
13.		ART	Architectural Design (٢)	التصميم المعماري (٢)	5	2	0	6	
14.		ART	Architectural Theories (1)	نظرية العمارة (١)	2	2	0	0	
15.		ART	Computer Aided Design (1)	التصميم باستخدام الحاسوب (١)	2	1	0	2	
16.		ART	Building Construction (1)	انشاء مباني (١)	3	2	0	2	
17.		ART	History of Architecture (1)	تاريخ العمارة (١)	2	2	0	0	
18.		ART	Surveying in Architecture	المساحة في العمارة	3	2	0	2	
19.		ART	Architectural Design (٣)	التصميم المعماري (٣)	5	2	0	6	
20.		ART	Architectural Theories (2)	نظرية العمارة (٢)	2	2	0	0	
21.		ART	Computer Aided Design (2)	التصميم باستخدام الحاسوب (٢)	2	1	0	3	
22.		ART	Building Construction (2)	انشاء مباني (٢)	3	2	0	2	
23.		ART	History of Architecture (1)	تاريخ العمارة (٢)	2	2	0	0	
24.		ART	Environment and Architecture	العمارة والبيئة	2	2	0	0	
25.		ART	Architectural Design (٤)	التصميم المعماري (٤)	5	2	0	6	
26.		ART	Landscape Design	تنسيق الموقع	2	1	0	3	
27.		ART	Working Design (1)	رسومات تنفيذية (١)	3	1	0	4	

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
28.		ART	Theory of City Planning	نظرية تخطيط مدن	2	2	0	0	
29.		ART	Illumination and Acoustics	الصوت والضوء	2	2	0	0	
30.		ART	Reinforced Concrete	خرسانة مسلحة	2	2	0	0	
31.		ART	Architectural Design (٤)	التصميم المعماري (٥)	5	2	0	6	
32.		ART	Working Design (2)	رسومات تنفيذية (٢)	3	1	0	4	
33.		ART	Urban Planning	تخطيط عمراني	3	2	0	2	
34.		ART	Interior Design	التصميم الداخلي	3	1	0	4	
35.		ART	Building Services	خدمات مباني	2	2	0	0	
36.		ART	Architectural Conization	الحفاظ المعماري	2	2	0	0	
37.		ART	Urban Design	تصميم حضري	3	1	0	4	
38.		ART	Graduation Project (1)	مشروع التخرج (١)	3	2	0	2	
39.		ART	Housing	اسكان	2	2	0	0	
40.		ART	Sustainable Architecture	العمارة المستدامة	2	2	0	0	
41.		ART	Building legislation and control	قوانين و تشريعات البناء	2	2	0	0	
42.		ART	Graduation Project (2)	مشروع التخرج (٢)	5	2	0	6	
43.		ART	Criticize and Architectural aesthetics	الجمال والنقد المعماري	٢	٢	0	0	
Total					116	68	3	97	

Field Attachments and Training Courses									
No	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	4 - 2	ART 345	Training	تدريب مهني	Pass	0	0	0	
Total					Pass	0	0	0	

Project Work Courses (included)									
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in Program requirements)									
No	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	4 - 1	ART 341	Graduation Project – Programming Stage	برمجة مشروع التخرج	3	2	0	2	
2	4 - 2	ART 343	Graduation Project –Design Stage	مشروع التخرج	5	2	0	6	
Total					8	4	0	8	
Elective Courses: None									

• **Study Plan:**

Level (1) : Term 1									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	1 - 1	UNV012	English Language I	لغة انجليزية ١	2	2	0	0	
2.	1 - 1	UNV014	Computer Skills	مهارات الحاسوب	3	1	0	4	
3.	1 - 1	UNV010	Arabic Language I	لغة عربية ١	2	2	0	0	
4.	1 - 1	Prog. M	Descriptive Geometry	هندسة وصفية	2	1	3	0	
5.	1 - 1	Dep. R	Mathematics	رياضيات	٣	2	0	2	
6.	1 - 1	Prog. M	Free Hand Drawing (1)	رسم حر (١)	2	0	٤	0	
7.	1 - 1	Prog. M	Principles of Design	اسس تصميم	٤	2	٤	0	
8.	1 - 1	Prog. M	Architectural Drawing	الرسم المعماري	2	0	٤	0	
9.	1 - 1	UNV017	Islamic Culture	ثقافة اسلامية	2	2	0	0	
					22	12	15	6	

Term 2									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs	L	T	P	Prerequisites, Co-requisites
1.	1 - 2	UNV013	English Language II	لغة انجليزية ٢	2	2	0	0	
2.	1 - 2	Prog. M	Architectural show	اظهار معماري	2	0	4	0	
3.	1 - 2	UNV011	Arabic Language II	لغة عربية ٢	2	2	0	0	
4.	1 - 2	FAC121	Probability and Statistical Fundamentals	مبادئ الإحصاء والاحتمالات	3	2	2	0	
5.	1 - 2	Prog. M	Architectural Design (1)	التصميم المعماري (١)	٥	٢	٦	0	
6.	1 - 2	Prog. M	Free Hand Drawing (2)	رسم حر (2)	2	0	٤	0	
7.	1 - 2	Prog. M	Perspective and shades	المنظور والظلال	٢	١	٣	0	
8.	1 - 2	Prog. M	Building Technology and Materials	تكنولوجيا و مواد بناء	2	2	0	0	
9.	1 - 2	UNV018	National Culture	الثقافة الوطنية	2	2	0	0	
Total					22	13	19	0	

Level 2

Term 1									
No.	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs	L	T	P	Prerequisites, Co-requisites
1.	2 - 1	Prog. M	Architectural Design (٢)	التصميم المعماري (٢)	٥	2	٦	0	
2.	2 - 1	Prog. M	Architectural Theories (1)	نظرية العمارة (١)	2	٢	0	0	
3.	2 - 1	Prog. M	Computer Aided Design (1)	التصميم باستخدام الحاسوب (١)	٢	١	٢	0	
4.	2 - 1	Prog. M	Building Construction (1)	انشاء مباني (١)	٣	٢	2	0	
5.	2 - 1	Prog. M	History of Architecture (1)	تاريخ العمارة (١)	2	٢	0	0	
6.	2 - 1	Prog. M	Surveying for Architectural	المساحة للعمارة	3	2	2	0	
7.	2-1	Prog. M	Building Physics	فيزياء بناء	٢	١	2	0	
8.	2 - 1	UNV019	Arabic Israel Conflict	الصراع العربي الاسرائيلي	٢	٢	0	0	
Total					21	14	14	0	

Term 2									
No.	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs	L	T	P	Prerequisites, Co-requisites
1.	2 - 2	Prog. M	Architectural Design (٣)	التصميم المعماري (٣)	٥	٢	٦	0	
2.	2 - 2	Prog. M	Architectural Theories (2)	نظرية العمارة (٢)	2	٢	0	0	
3.	2 - 2	Prog. M	Computer Aided Design (2)	التصميم باستخدام الحاسوب (٢)	2	1	2	0	
4.	2 - 2	Prog. M	Building Construction (2)	انشاء مباني (٢)	٣	٢	2	0	
5.	2 - 2	Prog. M	History of Architecture (1)	تاريخ العمارة (٢)	2	٢	0	0	
6.	2 - 2	Prog. M	Environment and Architecture	العمارة والبيئة	2	٢	0	0	
7.	2 - 2	Prog. M	Structural Analysis	تحليل انشائي	٢	٢	0	0	
Total					18	13	10	0	

Level 3

Term 1									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	3 - 1	Prog. M	Architectural Design (٤)	التصميم المعماري (٤)	٥	٢	٦	0	
2.	3 - 1	Prog. M	Interior Design	تصميم داخلي	٣	١	٤	0	
3.	3 - 1	Prog. M	Working Design (1)	رسومات تنفيذية (١)	٣	١	٤	0	
4.	3 - 1	Prog. M	Theory of City Planning	نظرية تخطيط مدن	٢	٢	0	0	
5.	3 - 1	Prog. M	Illumination and Acoustics	الصوت والضوء	٢	٢	0	0	
6.	3 - 1	Prog. M	Architectural Conization	الحفاظ المعماري	٢	٢	0	0	
7.	3 - 1	Prog. M	Reinforced Concrete	خرسانة مسلحة	٢	2	0	0	
Total					19	12	14	٠	

Term 2									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	3 - 2	Prog. M	Architectural Design (5)	التصميم المعماري (٥)	٥	٢	٦	٠	
2.	3 - 2	Prog. M	Working Design (٢)	رسومات تنفيذية (٢)	٣	١	٤	٠	
3.	3 - 2	Prog. M	Urban Planning	تخطيط عمراني	٣	٢	٢	٠	
4.	3 - 2	Prog. M	Landscape Design	تنسيق المواقع	2	١	3	٠	
5.	3 - 2	Prog. M	Building Services	خدمات مباني	٢	٢	٠	٠	
6.	3 - 2	Prog. M	Steel Structure	منشآت معدنية	3	2	2	٠	
7.	3 - ٢	FAC132	Research Methods	طرق البحث العلمي	2	2	0	0	
Total					٢٠	١٢	١٧	٠	

Level 4

Term 1									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	4 - 1	Prog. M	Urban Design	تصميم حضري	٣	١	٤	٠	
2.	4 - 1	Prog. M	Graduation Project (1)	مشروع التخرج (١)	٣	2	2	٠	
3.	4 - 1	Prog. M	Quantities and Specifications	كميات ومواصفات	2	2	0	٠	
4.	4 - 1	Prog. M	Housing	اسكان	٢	٢	٠	٠	
5.	4 - 1	Prog. M	Criticize and Architectural aesthetics	الجمال والنقد المعماري	٢	٢	٠	٠	
6.	4-1	Dep.R	Occupation Ethics	اخلاقيات المهنة	2	2	٠	٠	
Total					14	11	6	0	

Term 2									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	4 - 2	Prog. M	Building legislation and control	قوانين و تشريعات البناء	٢	٢	0	0	
2.	4 - 2	Dep.R	Engineering Projects Management	ادارة المشاريع الهندسية	٢	٢	0	0	
3.	4 - 2	Prog. M	Sustainable Architecture	العمارة المستدامة	٢	٢	0	0	
4.	4 - 2	Prog. M	Graduation Project (2)	مشروع التخرج (٢)	٥	٢	٦	0	
Total					11	8	6	0	

Summary

Level	Sem.	No. of Courses	Cr. Hrs.	L	T	P
1	1	9	22	12	15	6
	2	9	22	13	19	0
2	1	8	21	14	14	0
	2	7	18	13	10	1
3	1	7	19	12	14	0
	2	7	20	12	17	0
4	1	6	14	11	6	0
	2	4	11	8	6	0
Total		57	147	95	103	7

Requirements	No. of Courses	Cr. Hrs.	L	T	P
University Req.	8	17	15	0	4
Faculty Req.	2	5	4	2	0
Department Req.	3	8	6	2	2
Program Req.	43	117	68	3	97
Training	1	0	0	0	0
Graduation Project	2	8	4	0	8
Electives	0	0	0	0	0
Total	57	147	95	7	103

• Distribution of Total Credit Hours:

Level	Term	University Requirements		Faculty Requirements		Department Requirements		Program Requirements		Program Electives		Training		Project		Total Cr. Hrs.		Total Cr. Hrs./Level
		No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	
First	First															9	22	29%
	Second															9	22	
Second	First															8	21	27%
	Second															7	18	
Third	First															7	19	27%
	Second															7	20	
Fourth	First															6	14	17%
	Second															4	11	
Total:																	147	
Percentage:																		100%

17. Admission Requirements:

1. Admissions to the program shall be made as per the admission rules set by the Ministry of Higher Education and Scientific Research as well as **Malaysian International University** admission guidelines.
2. General Secondary school certificate (Science Section) or any equivalent certificate with grade as specified in the admission rules made by Ministry of Higher Education and Scientific Research.
3. Pass the aptitude test and personal interview if any.
4. Any necessary requirement for specialization, decided by the Faculty.

18. Attendance and Graduation Requirements:

1. Student attendance should not be less than 75%.
2. Student will graduate after successfully passing all program requirements.
3. Total credit hours for the program is (١٣٢) credit hours.
4. Minimum score for any student to pass any credit hours course is 50% marks.

19. Grading System:

From 90% to 100% of total marks	Excellent
From 80% to less than 90%	Very Good
From 65% to less than 80%	Good
From 50% to less than 65%	Pass
Less than 50%	Poor/Fail

20. Facilities Required for Running the Program:

- d. Sufficient Classrooms furnished with all necessary pieces and equipment.
- e. Labs as per the course's specifications.
- f. Computer Labs.

g. Academic and administrative staff offices.

21. Program Assessment:

Type of the Sample who Assess the program		Instruments used	Sample
1	Final year assessment	Questionnaire	Random
2	External examiner evaluation	Report	Random
3	Graduated student evaluation	Follow-up	By graduation club
4	External evaluator	Report	Random
5	Council for Accreditation and Quality Assurance in Yemen	Report	

22. Program Quality Standards:

- Continuous evaluation
- Workshops

23. Internal and external training to satisfy program standards::

- Internally: - training in well-equipped labs
- Externally: -Training in hospital controlled by logbook

24. Program Policies:

Based on University Regulations

1. (Class Attendance) :

A student should attend not less than 75 % of total hours of the subject; otherwise he/she will not be able to take the exam and will be considered as exam failure. If the student is absent due to illness, he/she should bring a proof statement from university Clinic. If the absent is more than

	25% of a course total contact hour, student will be required to retake the entire course again.
2.	(Tardy) : For late in attending the class, the student will be initially notified. If he repeated lateness in attending class, he/she will be considered as absent.
3.	(Exam Attendance/Punctuality) : A student should attend the exam on time. He/she is permitted to attend an exam half one hour from exam beginning, after that he/she will not be permitted to take the exam and he/she will be considered as absent in exam.
4.	(Assignments & Projects) : Assignments and projects are given as per course specification; the student has to submit all the assignments for checking on time, mostly one week after given the assignment.
5.	(Cheating) : For cheating in exam, a student will be considered as fail. In case the cheating is repeated three times during his/her study the student will be disengaged from the Faculty.
6.	(Plagiarism) : Plagiarism is the attending of a student the exam of a course instead of another student. If the examination committee proofed a plagiarism of a student, he/she will be disengaged from the Faculty. The final disengagement of the student from the Faculty should be confirmed from the Student Council Affair of the university or according to the university roles.
7.	(Other policies) : <ul style="list-style-type: none">- Mobile phones are not allowed to use during a class lecture. It must be closed; otherwise the student will be asked to leave the lecture room.- Mobile phones are not allowed in class during the examination.- Lecture notes and assignments might be given directly to students using soft or hard copy.

Aunexes:

- 1. National Academic Reference Standards (NARS) For Undergraduate Engineering Programs, (Architecture prog.) Yemen, First Edition, Council for Accreditation & Quality Assurance, Yemen, May 2018.**
- 2. Workshop of Program Specification.**
- 3. C.V for Committee**