

SHABABIK ALHEKMA

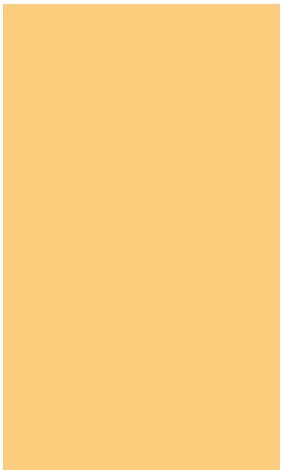
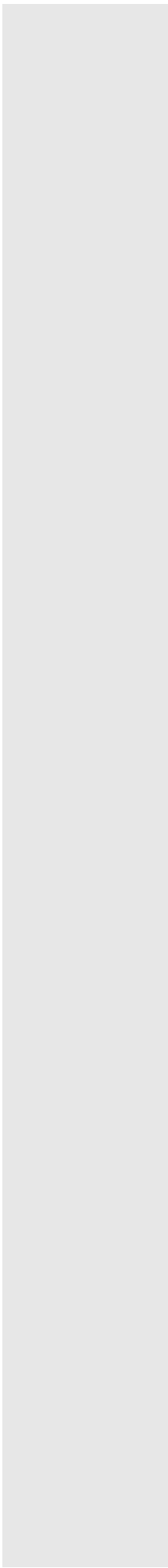
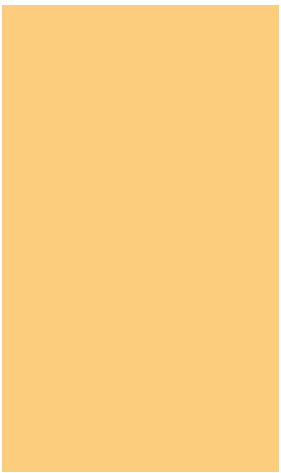
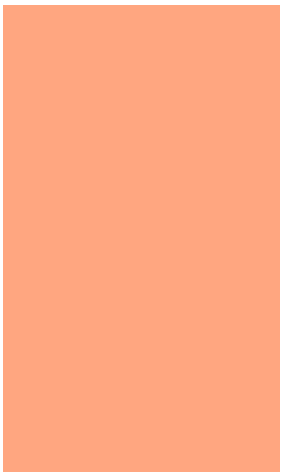


IN FOCUS

AMENDMENT OF
The Architecture Department
Programs After the Five-Year
Review Process

**SEEKING A NEW
STREETSCAPE:**
Studio VII and Abdul Maqsood
Khuja Street

TANWEEN:
A Celebration of Student
Creativity



I. EDITORIAL

II. ACADEMICS

- A. FACULTY AND STAFF
- B. AMENDMENT OF THE ARCHITECTURE DEPARTMENT PROGRAMS AFTER THE FIVE-YEAR REVIEW PROCESS
- C. A GLIMPSE AT THIS SEMESTER'S ARCHITECTURE STUDIOS
- D. BRIEF OF THE MODEL SHOP
- E. ,DWG CLUB

III. FOCUS

- A. SEEKING A NEW STREETScape: STUDIO VII AND ABDUL MAQSUD KHUJA STREET
- B. LESSONS FROM THE PAST: A TOUR OF THE ARTISTIC AND ARCHITECTURAL HERITAGE OF AL-JOUF REGIO
- C. PG PURIFICACION GARCIA X DAR AL-HEKMA UNIVERSITY
- D. TANWEEN: A CELEBRATION OF STUDENT CREATIVITY
- E. INTERVIEW WITH ZIEN AMMAR

IV. TALKS AND WORKSHOPS

- A. THE MIND AND DESIGN PROCESS: LESSONS FROM INK DESIGNER MS. ALJOHARA BYDON
- B. BIG IDEAS ON A SMALL SCALE: A MODEL SHOP WORKSHOP
- C. GREEN INFRASTRUCTURE: ENGINEERING A SUSTAINABLE FUTURE
- D. THE ASSOCIATION BETWEEN OASES' SOUNDSCAPE COMPONENTS AND WALKING SPEED: A RESEARCH TALK BY DR. DJIHED BERKOUK

V. VISITS AND TRIPS

- A. "WHAT DO YOU WANT, BRICK?": A FIELD TRIP TO SAUDI RED BRICKS CO.
- B. SITE AND INSIGHT: VISITING THE HOLY CITY OF AL MADINAH
- C. BEYOND THE SURFACE: A BEHIND-THE-SCENES TOUR OF DAR AL-HEKMA UNIVERSITY'S BUILDING SERVICES

VI. OTHER EVENTS

- A. SAUDI NATIONAL DAY: A CELEBRATION IN PEN AND PENCIL

VII. QUTUF: A CREATIVE HARVEST

- A. POEM BY NOOR SHATHA (STUDIO VII)
- B. DRAWING BY DR. NADER AZAB
- C. DRAWING BY MS. SUMAN FARUQUI

VIII. ANNOUNCEMENTS

IX. CREDITS AND CONTACTS

I. EDITORIAL



WHY THIS NEWSLETTER?

CHAIR OF THE ARCHITECTURE DEPARTMENT
PROF. JIHAD FARAH

In the age of ubiquitous social media, seeking to establish a newsletter might seem a bit out-fashioned. Nevertheless, in the Architecture Department at Dar Al-Hekma University, we have decided to swim against the current of instant news and hashed messaging and take the time to write and share this monthly electronic newsletter.

This is not to say that we condemn the magnificent social media revolution and the new horizons it opened, which we all appreciate. However, for communities like ours, we believe it is also important to be able to move beyond our individual atomized thoughts, feelings and experiences, and to bring them together in a common narrative that reflects our collective hopes and aspirations.

We would like Shababik Al-Hekma to become the common voice of our faculty, students and staff. In fact, though the idea of this newsletter came from our faculty, it was greeted with palpable enthusiasm by many students who signaled their wish to contribute. Hence, we will shortly be moving towards the establishment of an editorial board where faculty, students and staff will collectively share responsibilities to produce and edit the newsletter.

We would also like it to be eye catching and to share the beautiful moments of the daily life of our department.

Taken by the rush of teaching and learning activities and tedious administrative responsibilities, we sometimes forget the terrific moments we share in the numerous events the department and its great students' club ".dwg" organize or get involved in on a weekly, if not daily, basis. Lecture series, workshops, trips, local and international competitions, real-life projects, gatherings, exhibitions, and debates, etc.

In fact, we would like Shababeek to be our department's diary. Keeping a diary will allow us to look back on the rush of our fast-paced daily life and be a record of our valuable memories of learning and growing. As our department ventured in its second decade last year, becoming a teenager, maintaining a diary might help it blossom and enlarge its aspirations.

We hope that this newsletter will also gradually grow from this first issue with its voice becoming more mature and its eye more curious. We plan for it to develop progressively, including regular contributions from faculty– and most importantly – students' editorials, reports, interviews, etc. We also aim for our gaze to venture beyond the realm of our campus to follow and report on the architectural and artistic scenes of our great city and beyond.

As you can see, we have a lot of hopes for this newsletter. However, beyond anticipation of success and risk of failure, what Shababeek is for us above all is another "project," that is, another cherished moment where we architects enjoy ourselves. For what is architecture – and by extension studying architecture – if not the thrill of dreaming, fabricating and, mostly, having fun?

II. ACADEMICS



A. FACULTY AND STAFF

**B. AMENDMENT OF THE ARCHITECTURE
DEPARTMENT PROGRAMS AFTER THE FIVE-
YEAR REVIEW PROCESS**

**C. A GLIMPSE AT THIS SEMESTER'S
ARCHITECTURE STUDIOS**

D. BRIEF OF THE MODEL SHOP

E. DWG. CLUB

FACULTY AND STAFF





Dr. Jihad Farah
Architecture Department Chair
Full Time
Full Professor



Dr. Mohammed Gomaa
B.Arch Program Director FT /
Assistant Professor



Dr. Tamsen Anderson
FT / Assistant Professor



Dr. Shifana Kaafil
FT / Assistant Professor



Dr. Nader Azab
Full Time Associate Professor



Dr. Mustafa Sabbagh
Part Time Assistant Professor



Dr. Oula Aoun
Part Time Assistant Professor



Ms. Shatha Abu Alfaraaj
FT / Lecturer



Ms. Sima Refae
FT / Lecturer



Mr. AbdelMohsen Adas
PT / Lecturer



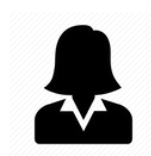
Mr. Khaled Fallatah
PT / Lecturer



Ms. Rasha Farsi
PT / Lecturer



Ms. Suman Faruqi
PT / Lecturer



Ms. Malak Alsaadi
Administrative Assistant



Ms. AlAnoud Aljadaani
Administrative Assistant /
Model Shop Operator



Ms. Sands Badeeb
Central Student Advisor



Amal Alhumrani
Tamheer Employee

AMENDMENT OF THE ARCHITECTURE DEPARTMENT



Amendment of the Architecture Department Programs after the Five-Year Review Process

ARCHITECTURE

The department of Architecture at DAH has carried out a comprehensive curriculum review in several aspects for the B.Arch and M.Arch programs. These changes include the study plan and program learning outcomes. The main objective of the curriculum review process is to assess the strengths and weaknesses of the bachelor's and master's programs and to identify new opportunities for improvement in order to reposition the two programs as leading architecture programs in Saudi Arabia.

The external curriculum review has been central to this process. In addition, the department organized a long series of discussions and working sessions in two internal committee groups: The Curriculum Committee and Design Focus Group. Moreover, the department conducted multiple meetings with students to get their feedback. The amendments are based on recommendations of external reviewers and members of the curriculum committee and design focus groups, on the orientations of obtaining international accreditation for the program, as well as the requirements of the National Qualification Framework (NQF).

B.ARCH Amendment

In order to define the new Program Learning Outcomes of the B.Arch, the department had to consider several influencing factors. These include: the chosen accreditation's requirements, the NQF requirements as well as a benchmarking of a number of universities. In line with the university's plan to obtain academic accreditations for programs, the department has considered several possible international accreditations: National Architectural Accrediting Board (NAAB), Royal Institute of British Architects (RIBA), UNESCO-UIA, CIAT and the French HCERES. Each of these accreditations has its own detailed requirements, KPIs and thresholds. However, most of these academic accreditations have some common conditions and preferences regarding particular aspects of the architecture curriculum. These include a large portion of required studio-based courses within the program, reaching 50% of the credit hours of the program.

The new B.Arch Program Learning Outcomes could hence be identified as follows:

Knowledge:

K1: Discuss main and emergent theories and concepts related to the architectural field, its history and its diverse design approaches.

K2: Recognize a broad range of traditional, modern and advanced building science's technologies, systems, processes and materials, and their impacts on architectural design and historic and present social, economic and environmental conditions.

K3: Identify the challenges and opportunities of increased globalization, climate change and digital revolution to architectural and urban theory and practice.

Skills:

S1: In line with contemporary architectural theory's advances and recognized good methodological practices, collect, categorize, examine, compare and critique relevant historic, social, economic, environmental, and spatial data to make sense of contexts and address architectural design problems.

S2: Design human-centered, climate-sensitive, sustainable and resilient architectural solutions to contemporary complex urban, social, cultural and environmental challenges.

S3: Effectively implement appropriate building science's technical solutions to enhance the sustainability of architectural buildings and urban contexts.

S4: Using diverse textual, audiovisual, drafting and digital mediums, develop and implement and communication strategies that would clearly, comprehensively in a professional way, present propose architectural solutions and engage stakeholders and communities.

S5: Applying the main conceptual and methodological approaches used for research within the architectural field in order to provide a comprehensive analysis on social, environmental, contextual features and to inform design thinking.

Values:

V1: Demonstrate integrity, commitment to socially and environmentally responsible ethics, and recognized best ethical professional practices in the field of architecture.

V2: Demonstrate a capacity to work autonomously or within a collaborative or interdisciplinary environment to critically evaluate evidence, arguments and assumptions and reach sound judgement.

V3: Engage in civic activities that are life-enriching and socially beneficial to the community as a responsible architect.

New Plan of Study

Year	Semester	Code	Name	Credits	Total
YEAR ONE (1)	Fall	COMM 1301	Communication Skills I	3	16
		ARTS XXXX	Art & Design	2	
		PHYS 1301	Physics and Architectural Applications	3	
		MATH 1302	Math for Architects	3	
		BARC 1500	Architectural Design - Fundamentals	5	
	Spring	COMM 1302	Communication Skills II	3	17
		EMOI 1201	Emotional Intelligence	2	
		BBBF 1101	Basic Body and Brain Fitness	1	
		BARC 1351	Technical Drawing	3	
		BARC 1321	History and Theory of Architecture I	3	
YEARTWO (2)	Fall	BARC 1501	Architectural Design Studio 2 - Spaces	5	17
		ARAB XXXX	Arabic Studies	3	
		BARC 2322	History and Theory of Architecture II	3	
		BARC 2341	Materials and Methods of Building Construction I	3	
		BARC 2352	Computer Aided Design I	3	
	Spring	BARC 2502	Architectural Design Studio 3 : Styles	5	17
		ISLS XXXX	Islamic Studies	3	
		XXXX XXXX	General Education Elective	3	
		BARC 2342	Materials and Methods of Building Construction II	3	
		BARC 2343	Environmental Design I	3	
YEAR THREE (3)	Fall	BARC 2503	Architectural Design Studio 4 : Environmental	5	17
		ARAB XXXX	Arabic Studies	3	
		BARC 3324	Theories of Contemporary Architecture	3	
		BARC 3345	Structures for Architects I	3	
		BARC 3353	Computer Aided Design II	3	
	Spring	BARC 3504	Architectural Design Studio 5 : Cultural	5	16
		ICTC 1301	Information & Communication Technology Concept	3	
		BARC 3325	Theory and Practice of Urban Form	3	
		BARC 3326	Conservation of Historic Buildings	3	
		BARC 3331	Professional Practice and Ethics	2	
YEAR FOUR (4)	Fall	BARC 3505	Architectural Design Studio 6 : Urban Design	5	16
		BARC 3332	Summer Internship 1	3	
		ITAI 1201	Introduction to Artificial Intelligence	2	
		BARC XXXX	Program Elective	3	
		BARC 4346	Structures for Architects II	3	
	Spring	BARC 4344	Environmental Design II	3	14
		BARC 4506	Architectural Design Studio 7 : Technical	5	
		BARC XXXX	Program Elective	3	
		BARC 4333	Construction Management	3	
		BARC 4354	Computer Aided Design III	3	
YEAR FIVE (5)	Fall	BARC 4507	Architectural Design Studio 8 : Theoretical Theme	5	14
		BARC 4334	Summer Internship 2	3	
		ISLS XXXX	Islamic Studies	3	
		ENTR 3301	Entrepreneurship & Design Thinking	3	
		BARC XXXX	Program Elective	3	
	Spring	BARC 5508	Architectural Design Studio 9 : Graduation Project 1	5	10
		ISLS XXXX	Islamic Studies	2	
		XXXX XXXX	General Education Elective	3	
		BARC 5509	Architectural Design Studio 10 : Graduation Project 2	5	
			Ministry Requirement	14	160
			University Requirement	19	
			General Ed Electives	6	
			Program General Requirement	6	
			Architecture Department Studio Requirement	50	
			Program Course Requirement	56	
			Program Elective Courses	9	

M.ARCH Program

The main objective of the curriculum review process for the master's program is to take stock of the five-year history of the program, its strengths, and weaknesses. More particularly, identify a new direction for its development, considering the market needs in Saudi Arabia, advances in the architectural field and the architectural educational offer at the Master's level in the country and especially in Jeddah.

Based on 1) the benchmarking of universities in KSA, 2) the Master's educational offer in Jeddah, 3) the input of members of the advisory board and other stakeholders as well as 4) the expressed interests of B.Arch and B.ID students, the “sustainable architecture” orientation has emerged as a favorable choice.

The aim of the amended Master's program is to graduate students with specialized knowledge in bioclimatic architecture and ecological buildings. They will be at the same time capable of engaging in comprehensive passive and ecological design approaches while being able to use sophisticated simulation and analysis tools to optimize variables such as the energy performance of buildings, their life cycle analysis, daylight, ventilation, etc.

New Plan of Study

MASTER IN ARCHITECTURE Specialized in Bioclimatic Architecture and Ecological Buildings		42
CORE COURSES		
SEMESTER 1		
MARC 1311	Socioecological transition, climate responsiveness and circular metabolism	3
MARC 1321	Principles of bioclimatic architecture	3
MARC 1331	Buildings' life cycle analysis	3
MARC XXXX	Program Elective	3
SEMESTER 2		
MARC 1332	Passive and Net-Zero Energy buildings: principles and tools	3
MARC 1333	Sustainable construction technologies for green and bioclimatic architecture	3
MARC 1334	Indoor Environmental Quality	3
MARC XXXX	Program Elective	3
SEMESTER 3		
MARC 2341	Capstone Research	3
MARC 2442	Capstone Project Studio 1	4
MARC 1334	Indoor Environmental Quality	3
MARC XXXX	Program Elective	3
SEMESTER 3		
MARC 2341	Capstone Research	3
MARC 2442	Capstone Project Studio 1	4
MARC XXXX	Program Elective	3
SEMESTER 4		
MARC 2443	Capstone Project Studio 2	4
MARC 2451	Internship	4
ELECTIVE COURSES		
MARC 1335	Buildings' Informatics	3
MARC 1336	Daylight in Buildings	3
MARC 1312	Selected Topics in Bioclimatic Architecture and Environmental Design	3
MARC 1352	Construction Management	3
MARC 1322	Sustainable Buildings' Certification Systems	3
ADDITIONAL SPECIAL COURSES		
MARC 1661	Additional Support Module for Students with Interior Design or Civil Engineering Background	+6

A GLIMPSE AT THIS SEMESTER'S ARCHITECTURE STUDIOS



Studio I

A residence is a place of repose, activity, and utility. One uses it for daily activities, recreational purposes, for work. All these activities are different for different users. Parents who work from home have different usage for spaces than parents who go out to work. The grandparents and the kids have their own set of requirements and separate timelines for activities. The house should try to accommodate all these needs. The residence should be so designed as to make it one harmonious entity with interconnected outdoor and indoor spaces. Each design should accommodate the following uses: living, dining, sleeping socializing, working, learning and relaxing.

The project seeks innovative ideas in the design of a house, focusing on the relationship of the project with a specific client, as well as with the proposed site.

This project requires students to explore the boundaries and paradigms of house design. To work in innovative and visionary proposals which can both, think in a basic housing program and the relation of identity between the customer and the project. However, they will be required to make an informed response firstly to the surrounding context. Their capacity to respond architecturally and contextually to this task will form part of the basis upon which they will be marked.

Each student will propose a client for designing a house. This will be a person of interest and inspiration for the project. There are no limitations as to the choice of character. But it must be a real client, from Saudi Arabia. It is important that within the submitted proposal, the character is introduced and the project's relationship with him or her is justified.

Studio III: Cultural

Students in this studio are going to explore and submit an entry for “Designing a neighborhood mosque” competition. The assigned land lot is in “Medinah Menaaurah”.

Designing the mosque involved specific challenges for architectural designers: the program requirements, the governance requirements, the traditional forms and conservative styles. The first research aspect was attempting to understand the functional program, the architectural circulations, the traditional styles and Saudi Arabian requirements for Mosques. The other element was to look through the recent examples of contemporary mosque architecture. Besides, researching how the designer speaks to the young generations of Muslims but respects the traditions in mosques architecture.

Design Challenges:

How to design a mosque in the most famous Muslim Pilgrimage destinations in the world with the same traditional features of the mosque but in a contemporary flavor? How to give a district mosque identity with a very limited area and strict and detailed requirements? How to redefine the main characteristics of the mosque to conform to the present and simultaneously respect traditional context? These questions tended to receive some replies in the proposed architectural design.

Project Briefs

Studio IV: Civic Design

As part of the Kingdom's 2030 vision, the Government is firmly committed to achieving a positive and dramatic change in the quality of public service provision. New authorities have been established and existing ones are developing and advancing very rapidly. In order to meet the objectives of the new vision, many authorities need new buildings in the city of Jeddah. It is understood that the quality of public building directly influences the quality of public service provided. All building initiatives that local authorities are involved in should be seen as civic projects. Jeddah has been a center for Hijazi culture and heritage for centuries. Located in the middle of the eastern coast of the red sea and is in the middle of both holy cities. The population is estimated at around 4.2 million and it is the second largest city after Riyadh. It is critical to consider the future development of the city as envisioned by Jeddah Plans 2033 and in alignment with vision 2030.

The objective of the course, this semester, is to design SAKANI Headquarters, Customer Service and Exhibit Center. The ministry plays a significant role in providing citizens with housing products based on certain criteria developed by the ministry. The Sakani initiative is to increase Saudi Citizen ownership to 70% by the year 2030. Through this program, many services are provided under one roof to help improve customer experience and to save citizens time. The project will be divided into Three main parts; 1) Main offices 2) Customer service 3) Exhibition space. However, it will need to provide integration and connection between a complete civic office/service building and a visitor exhibition/media center.

Studio V: Mixed-Use Development Project with MRDA

In support and promote the sector vision of Islamic tourists in Saudi Arabia special in AL-Madinah. The AL-Madinah Region Development Authority (MRDA) seeks to foster community design and development that serves the social, cultural, environmental, transportation, infrastructure and digital infrastructure fields, and also aims to provide the region's needs of services and public facilities.

Near Al-Madinah's prophet's mosque lies the decades-old Al-Tabakha Market, home to over 60 popular restaurants that offer a wide range of traditional Saudi dishes. The Madinah Development Authority aims to improve its design and reflect the city's heritage better. The location is really important as a tourist destination for many visitors and residents of Madinah.

This semester's project will mainly consider the type of Mixed-Use Development which Combines both vertical and horizontal mix of uses in an area. The project focuses on designing an iconic place that combines hospitality, social and activity purposes. It consists of a mixed-use development a luxurious five stars hotel and dormitories and other necessary services. In addition to the welcoming center and exhibition area that connect Al-Tabakha Market.





Studio VIII: Capstone Project

The capstone project for the Bachelor of Architecture gives students the opportunity to demonstrate the full extent of their learning. The subject supports this opportunity by teaching students how to integrate architectural ideas and technical systems in ways that enrich their architectural experience. Students produce a coherent architectural proposal that uses a critical, disciplinary-based mode of design thinking to frame and direct an integrated systems approach to architectural design.



Drawing on the techniques developed in previous design studios, students undertake a historical analysis of this systems-based design approach as a mechanism to investigate the qualitative and quantitative conditions that sponsor a sustainable built environment.

The summative nature of this capstone project asks students to apply both the critical disciplinary learning developed in the history–theory stream and the technical knowledge fostered throughout the degree in this subject. Students demonstrate the capacity to synthesize these different knowledge sets by integrating issues such as spatial and programmatic organization, architectural experience, formal and tectonic expression, systems of construction, environmental performance, urbanism and building services.

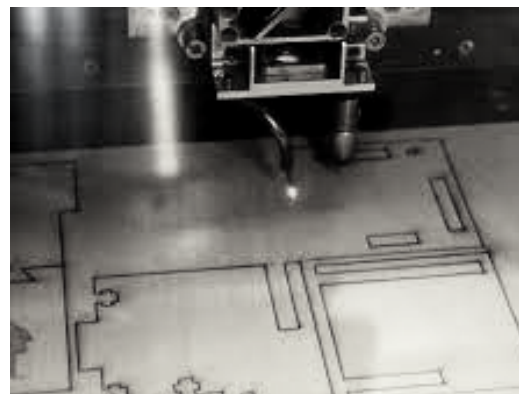
This studio focuses on developing advanced insights regarding local, regional and global challenges in architectural design. It emphasizes sociological, economic, cultural and environmental issues in complex design projects. This studio addresses specific issues of project development in professional and technical terms and reinforces the application of sustainable design principles in comprehensive studio problems.

MODEL SHOP DESCRIPTION



MODEL SHOP

Located in Rooms 24-25, the Model Shop is open to students from 9:00 a.m. to 4:00 p.m. daily. Students have a variety of equipment at their disposal, including a laser machine and 3D printer. The Model Shop also recently acquired two plotter machines for the convenience of students. In addition, the Model Shop offers an area specially designated for manual cutting.



. DWG CLUB





“dwg” is a student-conducted design club that provides educational and enjoyable activities where students can gain, share, and network.

The club aims to understand design better while simultaneously disconnecting from university stress.

Meetings are held twice a month on Tuesdays, with various activities including talks and discussions with former students and experienced designers/architects, Jeddah (Al Balad and Corniche) sketching trips, brainstorming sessions, movie nights, and many more.

Club activities:

Activities were initially categorized into four suggested types:

1. Architecture: improving and developing student's architecture/design skills.
2. Social: diversifying student's network.
3. Relaxation: disconnecting students and a decompressing outlet.
4. Competitions: enabling friendly competition amongst students.



III. FOCUS



**A. SEEKING A NEW STREETScape: STUDIO VII
AND ABDUL MAQSUD KHUJA STREET**

**B. LESSONS FROM THE PAST: A TOUR OF THE
ARTISTIC AND ARCHITECTURAL HERITAGE OF
AL-JOUF REGIO**

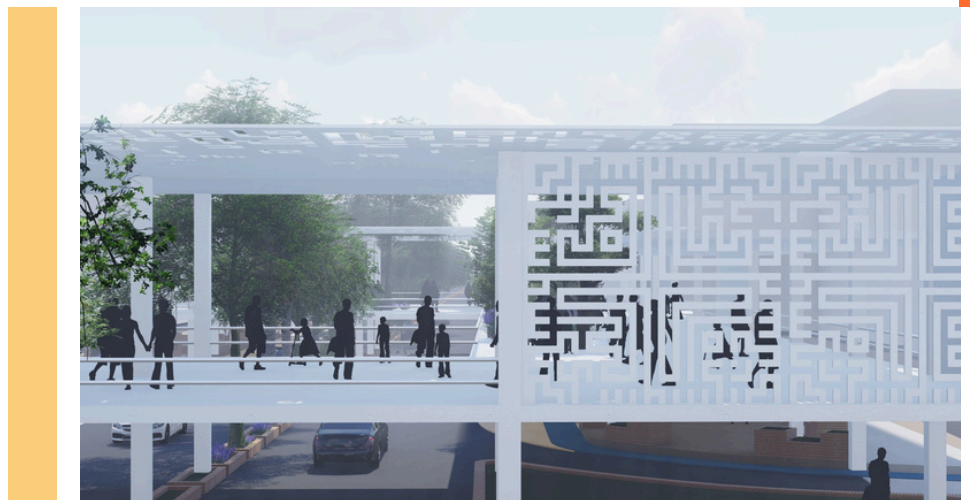
**C. PG PURIFICACIÓN GARCIA X DAR AL HEKMA
UNIVERSITY**

**D. TANWEEN: A CELEBRATION OF STUDENT
CREATIVITY**

E. INTERVIEW WITH ZIEN AMMAR

SEEKING A NEW STEETSCAPE

Studio VII and Abdul Maqsud Khuja Street



The Governor of the Makkah Region has selected Studio VII: Urban Design students to participate in the Linobadir campaign, an initiative established in support of Vision 2030. Working on a tight three-week schedule under the supervision of Dr. Nader Azab and Ms. Suman Faruqi, Studio VII students developed a proposal to create a distinctive identity for Abdul Maqsud Khuja Street in Jeddah. Inspired by the renown Saudi writer and poet for whom the street is named, Studio VII students designed street furniture evocative of Arabic calligraphy. In addition, they sought to transform Abdul Maqsud Khuja Street into a hub of neighborhood activity by physically and visually connecting both sides of the streets via a bridge, thereby improving urban connectivity and providing additional space for outdoor activities.



LESSONS FROM THE PAST

A Tour of the Artistic and Architectural Heritage of Al-Jouf Region





In recent years, Saudi Arabia's prehistoric art and architecture has attracted global attention as archaeologists have uncovered monumental works of art and architecture created thousands of years ago, when the country's wetter climate allowed hunting and gathering civilizations to thrive in savanna grasslands. In September, under the patronage of His Royal Highness Prince Faisal bin Nawaf bin Abdelaziz, Governor of Al-Jouf Region, the Saudi Heritage Commission organized "The Camel Sculpture Site and Its Cultural Importance from a Global Perspective," a scientific conference at Al-Jouf University.

Ms. Sima Refae organized a two-day trip Al-Jouf Province, allowing architecture students to attend the international conference in which scholars from King Saud University, the French National Centre for Scientific Research, the Free University of Berlin and Oxford University presented current research on the Camel Site, located north of the city of Sakaka, which contains what may be the largest animal relief sculptures in the world.



To complement their conference experience, students visited several Saudi Arabia's heritage sites, including the Neolithic Camel Site; Dumah Al-Jandal, an ancient city that dates back to the 10th century BC; the historic Omar Bin Al Khattab Mosque, one of the oldest mosques in the northern Arabian Peninsula; and Zabel Castle, which dates back at least 900 years. Being exposed firsthand to the Kingdom's rich artistic and architectural heritage was a memorable experience for students that reinforced the lasting importance of context in architecture.

PG PURIFICACION GARCIA X DAR AL-HEKMA UNIVERSITY





Founded in 1981, the Spanish fashion house Purificación García is famous for collaborating with innovative global creators as part of its mission to support talented international designers from a variety of artistic disciplines.

This year, Purificación García has invited Dar Al Hekma University's School of Design and Architecture students to submit concept proposals for Purificación García pop up installations, which will be prominently displayed at the Mall of Arabia and the Red Sea Mall in Jeddah; Nakheel Mall and Riyadh Park in Riyadh; and Al Rashid Mall in Abha.

Participants have been asked to reflect Purificación García's timeless yet playful brand identity in cube form, using the keywords "minimal, geometric, fun, cube, color and ironic" as inspiration.

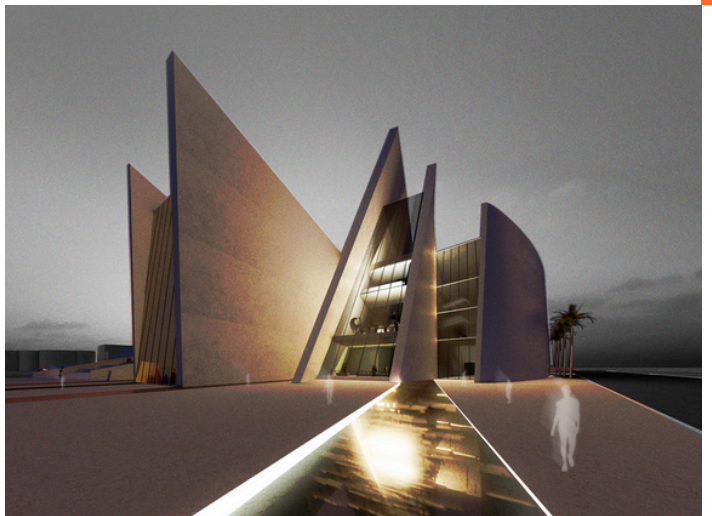
The PG Purificación García x Dar Al Hekma University collaboration was launched on October 6. The review of the initial proposals and selection of the final three designs will take place on November 1. The participating Dar Al Hekma University architecture students, who are drawn from four different studios, are being supervised by Ms. Shatha Abualfaraj and Ms. Malak Al-Saadi. The individual participants include

Deema Waheeb from Studio VII; Reem M. Zannoun, Fatima Ghulam Hassan, and Maryam Ahmed Bagaber from Studio IV; Naseem Geabel Hussein and Nouf Nasser AlSaadi from Studio III; as well as recent alumna Arwa Atwa and Marog Ghoneim. Participating as a group are Sedrah Mando and Rafal Makki from Studio III and Jana Alfase and Noran Alharazi from Studio I.



TANWEEN

A Celebration of Student Creativity



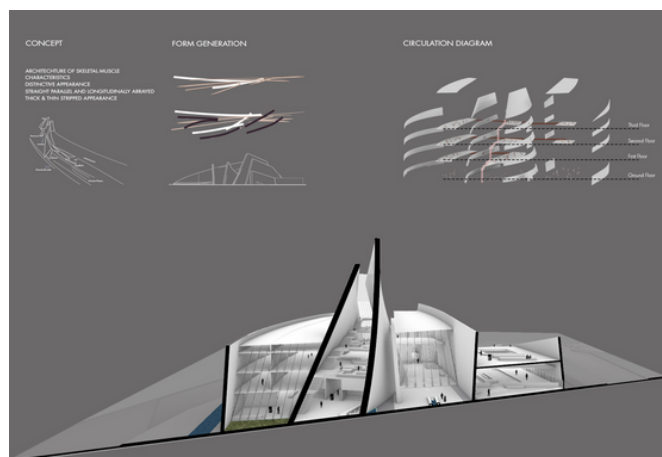
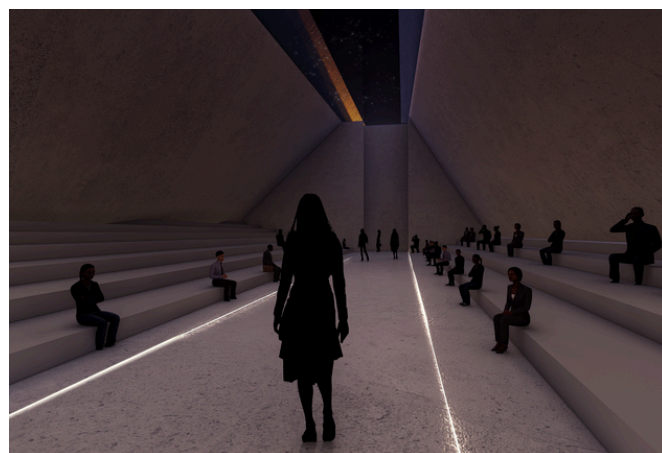
Opened in 2016 in Dhahran, the King Abdulaziz Center for World Culture (popularly known as Ithra) hosts Tanween, an annual creativity festival to celebrate and promote imagination and innovation in Saudi Arabia.

For 2022, Tanween's theme is "Collaboration," a process that can spark creativity in unexpected ways.

In addition to holding exhibitions, talks, and workshops, Tanween also hosted a Graduate Expo, showcasing a curated collection of creative work by undergraduate students from the Kingdom's most prominent universities, including Dar Al-Hekma University's Hekma School of Design and Architecture.

Architecture students Reem Hatem Bamanie and Deema Abdulrahman Habbal were among the select few who had their creative work displayed. Inspired by the similarities between architecture and fashion, Reem designed an academic center complex housing an architecture and fashion institute, which was inspired by the often overlooked yet meaningful relationship between the two creative disciplines.

In "Land of the Free," Deema proposed a sustainable solution to the pressing problem of providing refugee housing that goes beyond meeting basic needs and uplifts the human spirit.



MEET NEW STUDENT COUNCIL PRESIDENT

ZIEN ALCHAM MAHMOUD AMMAR



Provide a little background about yourself. Where are you from? How long have you lived in Saudi Arabia?

I am Zien Alcham Mahmoud Ammar. I am from Syria, from the oldest capital city in the world, Damascus. My mother and I joined my father in Jeddah 19 years ago when I was 2 years old.

Why did you decide to major in architecture?

Architecture and I have many things in common. The most important similarity is that we both are sailing ships in multiple seas. For example, I adore music, which combines two of the most important elements in architecture: harmony and rhythm. I am also fascinated by biology and the sciences, which often inspire my designs. In Studio I: Form and Order in Cultural Context, I designed a polychromic hexagonal community house inspired by beehives. In my creative work, I seek to fully express my ideas by drawing inspiration from art, psychology and science. One half of my soul belongs to art and the other belongs to nature!

Why did you decide to run for Student Council president?

Since I was a teenager, I have had the characteristics of a leader. For me, leadership involves being there for others. Growing up, I have prioritized being a part of people's journeys. I strive to support those working to be the best version of themselves. As Dar Al-Hekma University's new Student Council President, I want to foster a nurturing environment in which I listen carefully to students' concerns and needs and deliver their message to University officials.

What is your vision as Student Council president?

I will work to strengthen the sense of community at Dar Al-Hekma University. I would like to make the University feel like a big family and to make the campus feel like a home. In my journey as Student Council President, I also plan to implement the values I have adopted from being in the Architecture Department. Some of the inspirational keywords that guide me are: Teamwork, Sustainability, Passion and Harmony!

IV.TALKS AND WORKSHOPS



**A. THE MIND AND DESIGN PROCESS:
LESSONS FROM INK DESIGNER MS. ALJOHARA
BYDON**

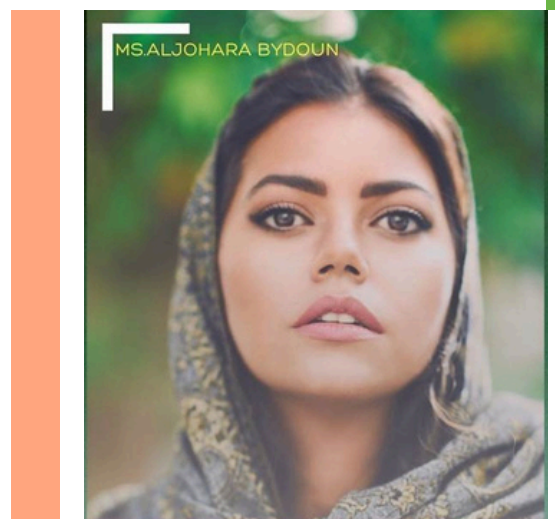
**B. BIG IDEAS ON A SMALL SCALE:
A MODEL SHOP WORKSHOP**

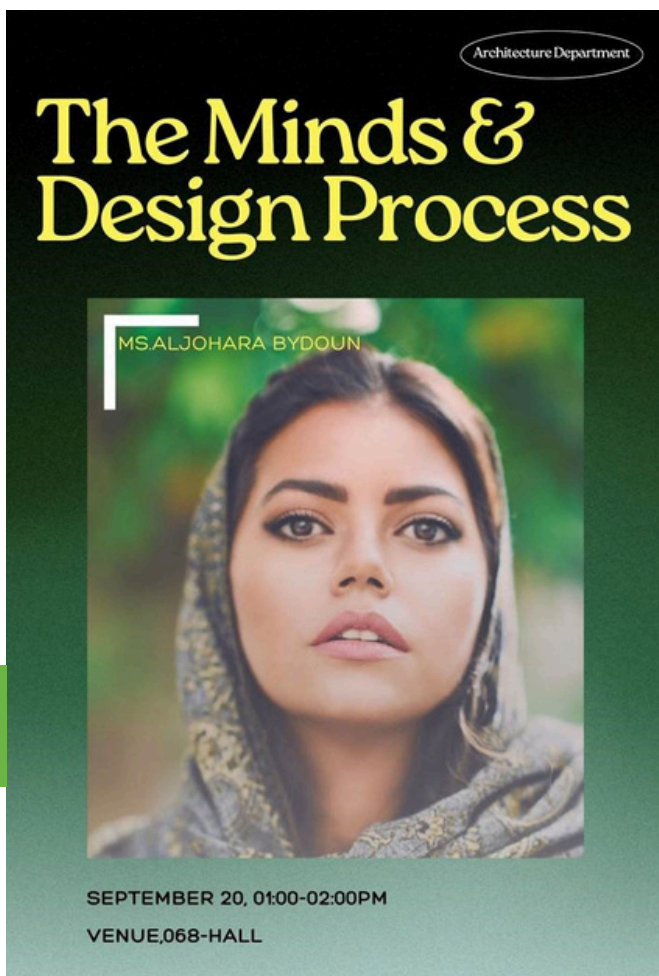
**C. GREEN INFRASTRUCTURE:
ENGINEERING A SUSTAINABLE FUTURE**

**D. THE ASSOCIATION BETWEEN OASES'
SOUNDSCAPE COMPONENTS AND WALKING
SPEED:
A RESEARCH TALK BY DR. DJIHED BERKOUK**

THE MIND AND DESIGN PROCESS

Lessons from Ink Designer Ms. Aljohara Bydon





The Architecture Department hosts monthly talks by architects, city planners and other design professionals to broaden and deepen students' understanding of current issues in architecture and urbanism. Dar Al-Hekma University alumnus Ms. Aljohara Bydoun, founder and chief designer at Ink and longtime architecture instructor, kicked off the 2022-23 lecture series with her engaging discussion on The Mind and Creative Process, in which she analyzed the concepts of creativity and innovation in the architectural design process. Ms. Ajohara also worked one-on-one with students in Studio IV:Civic Design, taught by Ms. Rasha Farsi and Dr. Mohammed Gomaa, to help generate creative ideas in their architectural design proposals.

BIG IDEAS ON A SMALL SCALE

A Model Shop Workshop





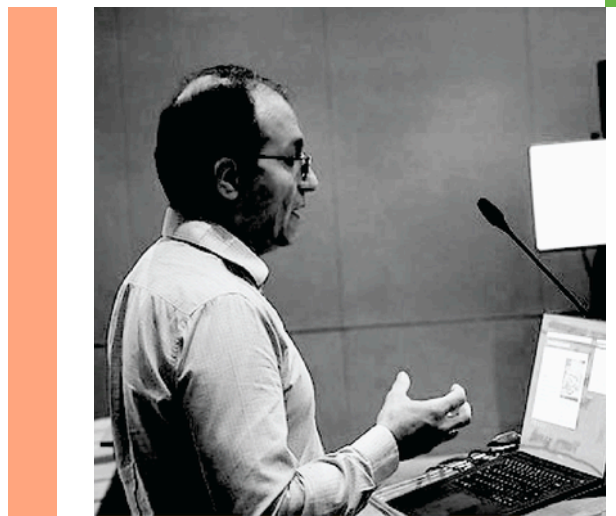
As early as the 15th century, architects were constructing models to allow for a fuller understanding of the formal, material and spatial qualities of their two-dimensional renderings. Italian Renaissance architect Giuliano da Sangallo's 1:40 scale wooden model of the Palazzo also allowed his patron, Florentine merchant Filippo Strozzi, to better visualize Sangallo's proposed design. More than 500 years later, architects continue to construct models for similar reasons, making model making skills as relevant today as they were 500 years ago.



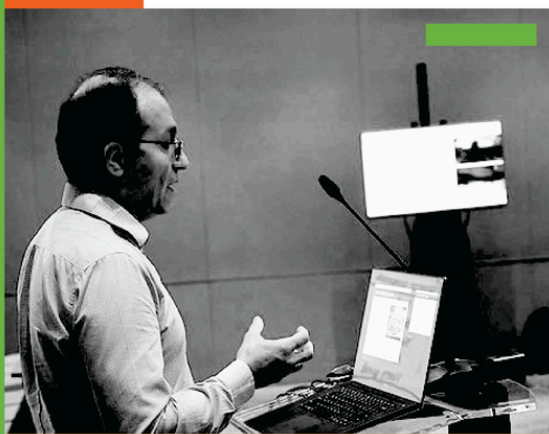
On October 3, Ms. Alanoud Aljadaani, the Model Shop Assistant, held an architectural model making workshop for Architectural Design Fundamentals I students. The 14 newly minted freshmen architecture students were introduced to basic safety practices before learning how to use model making tools to achieve professional results. In addition to receiving instruction in techniques to cleanly cut and neatly assemble model pieces, students gained an understanding of the important role that models play in the design process, especially in terms of scale, form, and materials.

GREEN INFRASTRUCTURE

Engineering A Sustainable Future Talk



Green Infrastructure



Dr. Massoud Sofi



Thursday
9:00 -10:00 am
Meeting ID: 393 324 0906

**6
OCT**

On October 6, Dr. Massoud Sofi, a Research Fellow in the University of Melbourne's School of Engineering, presented a timely lecture on the important role that green infrastructure plays in the creation of sustainable cities, which is a critical part of Saudi Arabia's Vision 2030. He introduced the Life Cycle Assessment (LCA) methodology, which enables a systematic evaluation of the environmental impact of the man-made urban environment. Engineers, city planners and architects can use the LCA methodology to develop sustainable solutions for urban and architectural problems. Informed by the LCA methodology, Dr. Sofi's current research on polymer concrete involves converting glass waste into sand for use as a concrete aggregate and transforming municipal waste into a new type of construction material. These types of innovations offer the promise of making cities more sustainable by offering alternatives to high-carbon concrete as well as reducing concrete's carbon footprint.

THE ASSOCIATION BETWEEN OASES' SOUNDSCAPE COMPONENTS AND WALKING SPEED

A Research Talk by Dr. Djihed Berkouk



ASSOCIATION BETWEEN OASES' SOUNDSCAPE COMPONENTS AND WALKING SPEED

Architecture
Department
19
OCT



In this presentation, we will present answers to four main questions, from a study conducted in the oasis of Biskra, related to the issue of the urban soundscape and the occupants' walk:

- What is the soundscape?
- Is there a correlation between the components of the soundscape and the walking speed of the occupants?
- Do the components of the soundscape influence the average walking speed of pedestrians in Algerian oases?
- Which sounds can make a difference?



Dr. Djihed Berkouk

 Meeting ID: 947 7525 2002
Passcode: 760022

Wednesday 19\10\2022
Time: 01:00:00-02:00:00

On October 19, Dr. Djihed Berkouk, an Associate Professor in the Department of Architecture at the University of Biskra in Algeria, shared his current research on the relationship between soundscape components and the mean walking speed of pedestrians in Algerian oases. Drawing on the pioneering work of the Canadian composer and acoustic ecologist R. Murray Schafer, Dr. Berkouk introduced the concept of soundscape, which refers to the collection of sounds associated with a particular place. To test his hypothesis that soundscape components impact mean walking speed, Dr. Berkouk carried out fieldwork to identify different types of sound in Algerian oases before analyzing the potential correlation between various factors. Using an ANOVA (analysis of variance) test, Dr. Berkouk found that the soundscape impacted the walking speed of research participants. Of particular interest were his findings that geophonic and biophonic sounds (that is, sounds generated by the environment, such as wind, and non-human animals, such as birds) appear to slow walking speed while traffic noise and human voices (known as anthrophonic sounds) had no significant correlation with walking speed. Dr. Berkouk's research on the soundscapes of Algerian oases is an important reminder that architecture is part of broad sensory landscape that encompasses important, albeit ephemeral, phenomena such as sound.

V. VISITS AND TRIPS



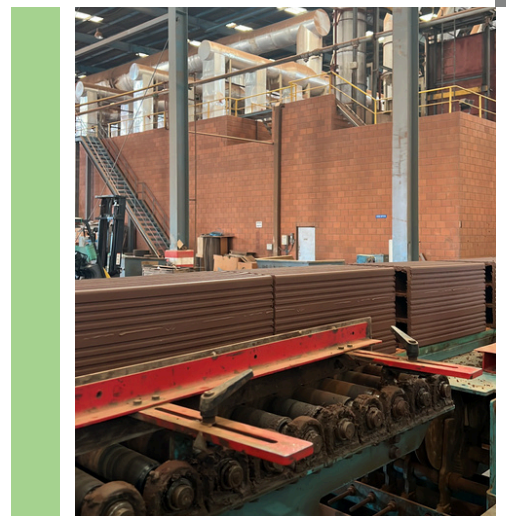
**A. “WHAT DO YOU WANT, BRICK?”:
A FIELD TRIP TO SAUDI RED BRICKS CO.**

**B. SITE AND INSIGHT:
VISITING THE HOLY CITY OF AL MADINAH**

**C. BEYOND THE SURFACE:
A BEHIND-THE-SCENES TOUR OF DAR
AL-HEKMA UNIVERSITY’S BUILDING SERVICES**

“WHAT DO YOU WANT, BRICK?”

A Field Trip to SAUDI Red Bricks Co.





The American architect Louis Kahn famously mused: “You say to brick, ‘What do you want, brick?’ And brick says to you, ‘I like an arch.’” Like Kahn, Dr. Shifana Kaafil’s Materials and Methods of Building Construction I students had the opportunity to contemplate the philosophical and material nature of brick during their visit to SAUDI Red Bricks Co., one of the oldest brick manufacturers in Jeddah. Established in 1956, SAUDI Red Bricks Co. manufactures innovative structural clay products using highly automated machines and robots to cater to Jeddah’s special construction needs. The field trip to SAUDI Red Bricks Co.’s factory enhanced student learning by integrating theoretical knowledge from the classroom with practicum. Witnessing the manufacturing process firsthand introduced students to the design possibilities of clay brick, a humble material that in the right hands can impart a sense of grandeur and timelessness as in Kahn’s Indian Institute of Management in Ahmedabad, India.

SITE AND INSIGHT

Visiting the Holy City of Al Madinah

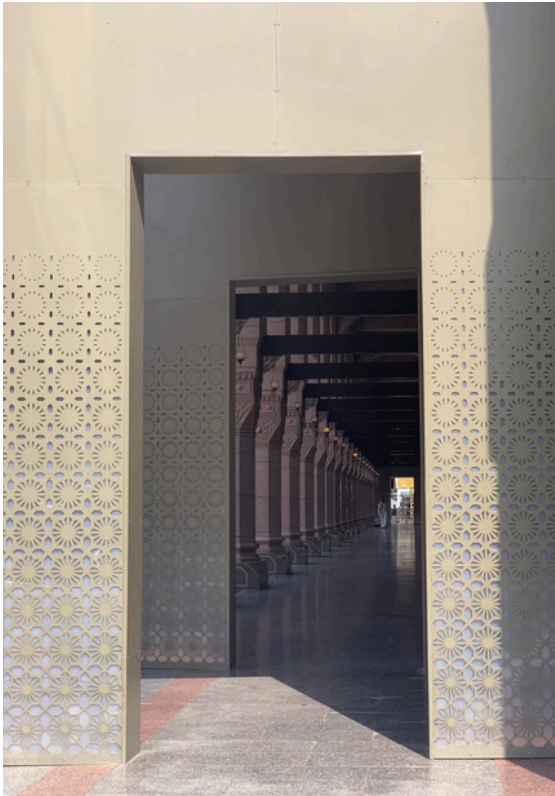




In Studio III: Contextual, Cultural and Environmental Design, Ms. Sima Refae arranged a trip to Al Madinah in preparation for designing a neighborhood mosque in Al-Sud neighborhood for a competition hosted by the Saudi Omran Society, a leading architectural and engineering consultancy established in 2009 by architect Abdullah Al Omran. The Saudi Omran Society's intends for the newly designed mosque to revitalize the neighborhood by serving not only as a place for prayer, but also as a community center. For inspiration, students visited a contemporary mosque, Masjid Al Garaa, as well as important historical mosques led by Dr. Fouad Magamsi, a specialist in mosque design. His insight into the relation between religion, community, and the built environment in Al Madinah encouraged students to respond sensitively to culture and context in their designs for the neighborhood mosque in Al Sud. Their understanding of Al Madinah's historical urban fabric was enhancing by visiting Dar Al Madinah Museum, which featured historical photographs of the area near Masjid Al Haram before it underwent expansion under the Ottoman Empire.



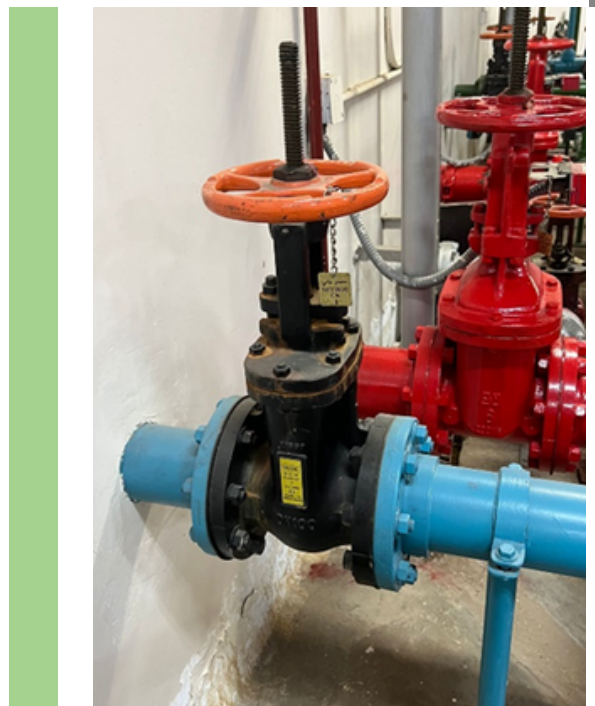




In Studio V: Mixed-Use Design, students have been given the challenge of designing an iconic mixed-used building in Al Madinah featuring hospitality, social and activity spaces. Ms. Shatha Abualfaraj and Arch. Abdulmohsin Adas organized a trip to visit Al Tabakha Market to give students the opportunity to analyze the site in person, allowing for a nuanced understanding of its relation to the urban context as well as offering insight into local building types and architectural programs and styles. Students also toured several museums, including Dar Al Madinah Museum, which boasts a large collection of hand-built models of the city's historic landmark buildings, a reminder of Saudi Arabia's rich architectural heritage.

BEYOND THE SURFACE

A Behind-the-Scenes Tour of Dar Al-Hekma
University's Building Services





Although often overlooked, building services have been a defining component of architecture since the late 19th century. With the introduction of artificial lighting, indoor plumbing, safety passenger elevators, and mechanical heating, ventilation, and air conditioning (HVAC) systems, architects no longer had to rely on atria, courtyards, and lightwells to provide adequate natural light and ventilation, resulting in a generation of hermetically sealed buildings with harsh electrical lighting. In contrast to older energy inefficient buildings, Dar AlHekma University was designed to minimize reliance on HVAC systems while maintaining a comfortable indoor environment. On September 12 and 14, Dr. Shifana Kaafil organized a behind-the-scenes tour of the university's building services for nine students in her Buildings Systems and Environmental Controls (ARCH 3304) course. Mr. Babu from the maintenance team lectured on the function and operation of the building's elevators; the fire safety standpipe system and the proper use of fire extinguishers and smoke detectors; and the underground water tank system (UGWT). Maintenance team members Ms. Nessa and Ms. Myrna spoke in detail about the building's digitally controlled HVAC system. Lessons about building systems were instilled by an exciting visit to the rooftop, where students had the opportunity to explore the outdoor unit of the centralized air condition as well as the elevator machine room.

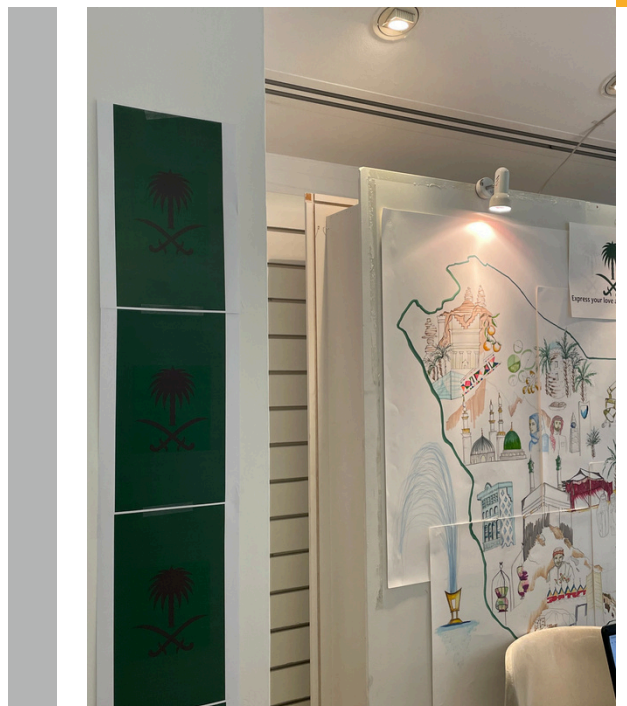
VI. OTHER EVENTS



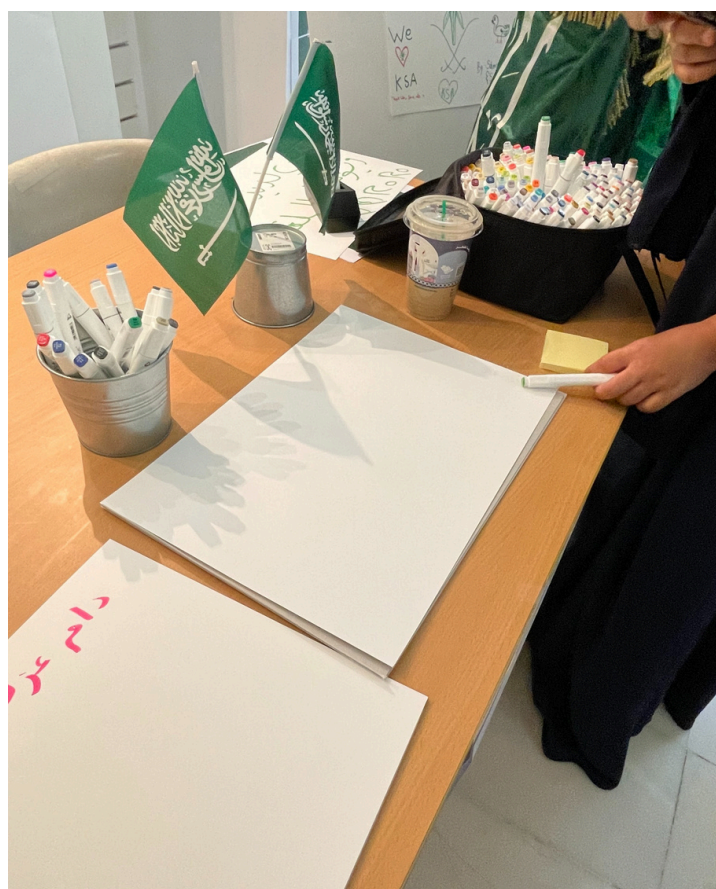
A. SAUDI NATIONAL DAY: A CELEBRATION IN PEN AND PENCIL

SAUDI NATIONAL DAY

A Celebration in Pen and Pencil



On the 27th of September, Dar Al Hekma University celebrated Saudi National Day, established by the royal decree of King Abdul Aziz Al Saud in 1932. In a two-day event organized and overseen by Ms. Sima Refae, fifty-five architecture students expressed their love and gratitude to the Kingdom by sketching famous and historically significant buildings and distinctive architectural ornament from the country's five regions. To enliven their sketches, students added characters and icons emblematic of Saudi culture. Their drawings were showcased in the atrium to share the creative talents of architecture students with the broader Dar Al-Hekma community.



VII.QUTUF: *A CREATIVE HARVEST*



- A. POEM BY NOOR SHATHA (STUDIO VII)**
- B. ARTWORK BY DR. NADER AZAB**
- C. ARTWORK BY MS. SUMAN FARUQUI**

“ACTUALIZATION”

Noor Fares Shata
(Studio VIII)



“ACTUALIZATION”

Noor Fares Shata
(Studio VIII)

They saw something in you, they knew you could do it
Five long years and you were your biggest critic
But you could do it, if you stepped aside from the fear or failure and the judgment

Why would you translate motivation into misunderstanding?
If you heard it many times from various individuals, why do you still lie to yourself?

Now that you're alone, all you can do is remind yourself of the statements you once fabricated

They never were lies, they were words of truth that came from a place of respect

You expect they expect everything, but in reality, know that they just want you to be happy when you succeed

ARTWORK

by Dr. Nader Azab





***Manual calligraphy, digitally manipulated artwork of verses from the Quran.**

ARTWORK

by Ms. Suman Faruqui



LOH-E-QURAN



*Acrylic painting, September 2020.

VIII. ANNOUNCEMENTS



READ IN THE NEXT ISSUE

 October 30

Spanish architect Fernando Perez, who is currently the director of IDOM in Saudi Arabia, will offer expert insight into Frank Gehry's landmark design of the Guggenheim Museum Bilbao, Spain.

 November 22

Drawing on his extensive academic and professional experience, Dr. Nader will give a workshop to teach students how to design posters that effectively and aesthetically convey important architectural information.

 November 24

The architecture department organize an architectural tour to Barcelona and Madrid, Spain.



IX. CREDITS AND CONTACTS



NEWSLETTER CREDITS

 Managing Editor Dr. Jihad Farah

Chief Editor Dr. Tamsen Anderson

Co-Editor Ms. Amal Alhumrani

Layout Design Ms. Alanoud Aljadani

Logo Design Ms. Alanoud Aljadani

Cover photo taken by Ms. Sima Refae

Cover design Ms. Amal Alhumrani



CONTACT US



tanderson@dah.edu.sa
ahumrani@dah.edu.sa



@DWG_DAH