

## Sustainability Report of the College of Design, IAU

### Activities related to Environment and Sustainability in COD in the last 3 years 2018-19, 2019-2020, 2020-21

تقرير بالفعاليات المتعلقة بالبيئة والتنمية المستدامة في الأعوام الجامعية: ٢٠١٨-١٩ و ٢٠١٩-٢٠ و ٢٠٢٠-٢١ لكلية التصميم

الرابط التالي به صور لبعض الفعاليات وأعمال المقررات الدراسية المتعلقة بالاستدامة:

Samples of activities and course work are in this link:

[https://udksa-my.sharepoint.com/:f/g/person/cdsn\\_vdsdcs\\_iau\\_edu\\_sa/EpJu4vpd\\_CBArpvK60cNdMYB4T1pv9AmG20r1z6QyVMmsA?e=57ozmo](https://udksa-my.sharepoint.com/:f/g/person/cdsn_vdsdcs_iau_edu_sa/EpJu4vpd_CBArpvK60cNdMYB4T1pv9AmG20r1z6QyVMmsA?e=57ozmo)

#	Faculty member Name (responsible for activity)	Department	Type طبيعة النشاط	Title عنوان النشاط	Type (Environmental/Cultural/Sustainability) طبيعة النشاط (بيئي-تراثي-استدامة)	Short Brief وصف للنشاط	Year السنة	No. of Participants عدد المشاركات	No. of Beneficiaries عدد المستفيدين
<b>1. Activities related to sustainability</b>									
1.	Students' Council المجلس الطلابي	College of Design	Initiative- مبادرة	Modeem- مديم	Environmental Sustainability استدامة بيئية	Reusing students' excess stationery and materials مبادرة طلابية لإعادة الاستفادة من الأدوات المكتبية الزائدة عن الحاجة وعرضها لمن يحتاج إليها بالكلية	2018, 2019, 2020	12	600
2.	Ms. Hessa AlDossary الأستاذة حصة الدوسري	College of Design	Initiative - مبادرة	Raskala- رسكلة	Environmental Sustainability استدامة بيئية	Reusing students' laptops and electronic devices إعادة استخدام الأجهزة الحاسوبية الزائدة عن الحاجة وعرضها لمن يحتاج إليها من الطالبات بالكلية	2019, 2020, 2021	30	100

3.	Asma Alhilar المحاضر/ أسماء الهلال	College of Design	مسابقة- Competition	Sana Award for social innovation In design مسابقة سنا للابتكار المجتمعي	Social-Environmental Innovation ابتكار بيئي مجتمعي	A design Competition that encourages the students to develop innovative solutions within the UN sustainable Development Goals مسابقة تصميم تشجع الطالبات على تقديم حلول تصميم ابتكارية في إطار أهداف الأمم المتحدة للتنمية المستدامة	2018-2019	52	52
4.	Ms. Najla Alromaihi المحاضر/ نجلاء الرميحي	Industrial Design	Workshop- تدريب	Hadcrafts in Saudi Arabia الحرف اليدوية في المملكة العربية السعودية	Cultural ثقافي تراثي	Workshop related to Ithra'at Al Mostakbal event. تدريب طالبات تابع لفعالية إثراءات المستقبل	2021	1	40
5.	Dr. Hala ElWakeel د/ هالة الوكيل	Interior Design	Lecture- محاضرة	Sustainable buildings: residential neighborhood from a new perspective نحو عمران مستدام: المجاورة السكنية من منظور جديد	Environmental Sustainability استدامة بيئية	Sustainable buildings: residential neighborhood from a new perspective نحو عمران مستدام: المجاورة السكنية من منظور جديد	2018	1	200

## 2. Course Related to sustainability

#	Department	Type طبيعة النشاط	Title عنوان النشاط	Short Brief وصف للنشاط	Year السنة	No. of Students عدد الطالبات
1.	Interior Design	Course مقرر دراسي	<b>Material Applications</b> (INDSG 206)	The course includes 2 lectures on sustainable and green materials, Students conduct group research on green/eco-friendly materials.	2018-19, 2019-20, 2020-21	42
2.	Interior Design	Course مقرر دراسي	<b>Environmental Control Systems-1</b> (INDSG 312)	The course includes 6 lectures, a group research, 2 assignments and 1 term-project that focus on designing sustainable interiors, developing an understanding of theories, strategies, and application of passive and mechanical design systems, lighting systems, that impact interior environmental quality and thermal comfort.	2018-19, 2019-20, 2020-21	36

3.	Interior Design	Course مقرر دراسي	<b>Interior Design Studio-7</b> (INDSG 401)	The course includes 1 lecture on sustainability applications in the built environment. Students conduct a research on sustainable approaches, and they apply principles of sustainability in their term-project with application of smart materials and systems.	2018-19, 2019-20, 2020-21	45
4.	Interior Design	Course مقرر دراسي	<b>Landscape Design</b> (INDSG 405)	The course includes 3 lectures on environmental sustainability in landscape design. The term project focuses on enhancing the landscape design for Mohammad AlManea Park.	2018-19, 2019-20, 2020-21	38
5.	Interior Design	Course مقرر دراسي	<b>Theory of Design</b> (INDSG 408)	The course includes 3 lectures on the concept of sustainability, its strategies, and applications in the built environment. It includes 1 assignment on analyzing the sustainability strategies adopted by selected buildings.	2018-19, 2019-20, 2020-21	28
6.	Interior Design	Course مقرر دراسي	<b>Costs &amp; Management</b> (INDSG 502)	The course includes 2 sustainability applications. Students conduct a report on sustainable approaches in calculating the cost of renovation projects for old houses, and they apply principles of sustainability in the renovation process. It includes one final project, divided into two assignments; one is the condition report, and the other is the costing calculations.	2018-19, 2019-20, 2020-21	39
7.	Interior Design	Course مقرر دراسي	<b>Handcraft with Local Materials</b> (DSGN 555)	The course includes 3 lectures on reusing and recycling. Assignments include a groups research and projects focusing on designing functional and decorative art-featured furniture and accessories by reusing and recycling local materials.	2018-19, 2019-20, 2020-21	38
8.	Interior Design	Course مقرر دراسي	<b>Social and Cultural Factors in Interiors</b> (DSGN 541)	The course explores through 6 lectures the complex interrelationships between physical settings and the users with a special focus on the social and cultural factors, particularly in the Saudi built environment. Students conduct group research.	2018-19, 2019-20, 2020-21	30
9.	Interior Design	Course مقرر دراسي	<b>Graduation Project Thesis</b> (INDSG 503)	2 students conducted focused research for their graduation projects on sustainability, 2 other focused on studying methods to revive heritage and local cultural aspects.	2018-19, 2019-20, 2020-21	4
10.	Interior Design	Course مقرر دراسي	<b>Interior Design Studio-10 (Graduation Project)</b> (INDSG 504)	2 students focused in their graduation projects on applying sustainable concepts. 2 other students focused on reviving heritage and local cultural aspects in their projects.	2018-19, 2019-20, 2020-21	4
11.	Graphic Design and Multimedia	Course مقرر دراسي	<b>Surface Design</b> (GRDSG 302)	The course includes 6 materials lectures and in each material lecture, there is a specific section related to sustainable materials. It also includes 1 exercise on making paper out of used paper.	2018-19, 2019-20, 2020-21	28

12.	Graphic Design and Multimedia	Course مقرر دراسي	<b>Packaging</b> (GRDSG 408)	The course includes 1 lecture on sustainable materials in packaging. Students had the option to create packaging projects utilizing a sustainable material or concept.	2018-19, 2019-20, 2020-21	23
13.	Graphic Design and Multimedia	Course مقرر دراسي	<b>Design Studio: Final Project</b> (GRDSG 505)	The course emphasizes cultural and sustainable aspects in students' graduation projects. 2 students applied sustainable concepts in their graduation projects.	2018-19, 2019-20, 2020-21	2
14.	Industrial Design	Course مقرر دراسي	<b>Craft in Saudi Arabia</b> (PRDSG 404)	The course includes 4 lectures on studying Saudi traditional handicrafts, their social, cultural and economic effects. Assignments include a report to discuss the historical background of the craft, a workshop highlights the possible techniques and used materials to enhance the economical values of the products.	2018-19, 2019-20, 2020-21	26
15.	Industrial Design	Course مقرر دراسي	<b>Biomimicry in Engineering and Design</b> (PRDSG 407)	The course includes 6 lectures on bio mimicry methodology and engineering, imitation approach of form, function, process and system from nature in bio mimicry and design project They apply this approach on 2 design projects consider principle of sustainability development which given impact to society and economic.	2018-19, 2019-20, 2020-21	27
16.	Industrial Design	Course مقرر دراسي	<b>Industrial Design studio 3</b> (PRDSG 201)	The course includes 1 lecture on “Analysis on Product from a Safety and Environmental Factor”	2018-19, 2019-20, 2020-21	25
17.	Industrial Design	Course مقرر دراسي	<b>Material and Manufacturing Processes -2</b> (PRDSG 303)	The course includes lectures on emerging sustainable materials. These includes “Sustainable Materials in Design Projects”, and “Local Culture and its Materials as Emerging Sustainable Resource.” The course includes students project on emerging sustainable materials.	2018-19, 2019-20, 2020-21	27
18.	Industrial Design	Course مقرر دراسي	<b>Eco Design and Sustainability</b> (PRDSG 308)	All course lectures are related to eco design and sustainability. It includes 9 lectures on sustainable development and sustainability, eco-design methods, lifecycle analysis and eco indicators, cradle to cradle theory, design for sustainability, design for sustainable living, and sustainability initiatives in KSA. It includes 1 assignment focusing on Analysis and Criticism of Cradle-to-Cradle Design, and 1 project on developing a product that address the sustainable Consumption through behavior change.	2018-19, 2019-20, 2020-21	25
19.	Industrial Design	Course مقرر دراسي	<b>Design for Society &amp; Community</b> (PRDSG 403)	The course includes 5 lectures on social and environmental sustainability. The course term project focuses on enhancing the user experience in Almuhaidib park.	2018-19, 2019-20, 2020-21	23

20.	Industrial Design	Course مقرر دراسي	<b>Industrial Design Studio 7</b> (PRDSG 401)	The course project was about designing a waste recycling system for public spaces. One lecture was delivered about the topic of Design for Behavior Change and its application in encouraging sustainable actions.	2018-19, 2019-20, 2020-21	25
21.	Industrial Design	Course مقرر دراسي	<b>Contemporary Design Issues</b> (DSGN 548)	This course includes 3 lectures focusing on the scientific, environmental, cultural and social developments of recent times. Also, focusing on sustainability Strategies in defining the role of design.	2018-19, 2019-20, 2020-21	
22.	Industrial Design	Course مقرر دراسي	<b>Industrial Design Studio 6</b> (PRDSG 307)	The course project was about designing a Coffee Machine for a specific context. The project approach was built upon applying design-for-sustainability concepts and investigating Eco-design operations in this context.	2018-19, 2019-20, 2020-21	25
23.	Industrial Design	Course مقرر دراسي	<b>Introduction to design research methods</b> (PRDSG 406)	This course included a final project where students had to choose a research topic to write a proposal for. Two proposals were developed to study sustainability-related topics.	2018-19, 2019-20, 2020-21	24
24.	Industrial Design	Course مقرر دراسي	<b>Electronic for Product Design</b> (DSGN 547)	This course includes 1 lecture on renewable energy and its application on products to make it sustainable, one exercise was given to student to use solar cell and generator to produce electricity in products.	2018-19, 2019-20, 2020-21	
25.	Industrial Design	Course مقرر دراسي	<b>Senior Thesis Research</b> (PRDSG 502)	This course contains individual thesis research, (4) research were related to sustainability.	2018-19, 2019-20, 2020-21	4
26.	Industrial Design	Course مقرر دراسي	<b>Industrial Design Studio 10</b> (PRDSG 505)	This course contains individual design projects, (4) projects were related to sustainability.	2018-19, 2019-20, 2020-21	4

### 3. Research related to sustainability

#	Faculty member Name (responsible for activity)	Department	Type طبيعة النشاط	Title عنوان النشاط	Type (Environmental/ Cultural/ Sustainability) طبيعة النشاط (بيئي- تراثي- استدامة)	Year السنة	No. of Participants عدد المشاركين	No. of Beneficiaries عدد المستفيدين
1.	Dr. Deema Alsaleh- Dr. Ahmed AlJarallah-	Interior Design	Funded Research (\$ 16449.37)	Monitoring the similarities and differences of residential neighborhood	Environmental Sustainability استدامة بيئية	2020	5	15000

	Dr. Mai Shukri- Dr. Hala El-wakeel- Ms. Khadeeja AlAnsari د. ديمة الصالح د. أحمد الجارالله د. مي شكري د. هالة الوكيل خديجة الأنصاري		بحث علمي ممول- بقيمة (\$16449.37)	planning in the Gulf countries, using an integrated model for residential neighborhood planning				
2.	Lec. Maryam AlAbdulqader المحاضر/ مريم العبدالقادر	Interior Design	Masters Dissertation - رسالة ماجستير	"The effects of shafts (voids) on natural ventilation performance in multi-story residential building. A case study of Dammam, Saudi Arabia."	Environmental Sustainability استدامة بيئية	2020	1	15000
3.	Dr. Hala ElWakeel د/ هالة الوكيل	Interior Design	Research - بحث علمي	Evaluating the performance of daylighting traditional device, the Mashrabiya, in clear sky conditions: case study of a traditional Bahraini house	Environmental Sustainability استدامة بيئية	2019	1	5000
4.	Dr. Dalia ElDardiry د/ داليا الدرديري	Interior Design	Research - بحث علمي	The rival of courtyard consolidation in mosque architecture	Environmental Sustainability استدامة بيئية	2019	1	5000
5.	Dr. Hala ElWakeel د/ هالة الوكيل	Interior Design	Research - بحث علمي	Privacy vs. daylight evaluation the acceptance of daylight traditional devices in contemporary residential houses in Bahrain	Environmental Sustainability استدامة بيئية	2020	1	5000
6.	Dr. Dalia ElDardiry د/ داليا الدرديري	Interior Design	Research - بحث علمي	Greenery in cities and controlling the reasons of urban heat islands	Environmental Sustainability استدامة بيئية	2020	1	5000