THE Impact Ranking SDG12 Report

SDG

12

Responsible
Consumption and
Production

SDG 12 Responsible Consumption and Production

Much of the world's economy is based around producing things for consumption. This drives the engine of industry. If we want the world to develop sustainably, we need to understand how to be more responsible at both ends of this cycle. This means promoting resource and energy efficiency, having a sustainable infrastructure, and providing access to basic services for all. The efficient use of resources and the minimization of waste are explored.

Events that Address SDG 12 - Responsible Consumption and Production

Recycled Materials Workshop
Posted On: May 12, 2025

In alignment with its sustainability and inclusion commitments, PUA's Faculty of Arts and Design organized a series of eco-friendly art workshops at Taha Hussein Center for Students with Disabilities (Alexandria University), utilizing recycled materials. The event was held under the patronage of Prof. Dr. Mohamed Etman, Vice President for Community Service and Environmental Development Affairs, and Prof. Dr. Zeinab El-Demerdash, Dean of the Faculty, supervised by Dr. Aya Mohamed Fathi, Community Service Committee Coordinator, in collaboration with the Intellectual and Environmental Development Association and the Egyptian Union for Educational Policies and Research.

Participants from the People of Determination community crafted innovative artworks from recycled paper, including heritage-inspired models reflecting Siwa Oasis's cultural legacy, a creative redesign of Alexandria University's logo.

Dr. Mahmoud Farag, Head of the Center's Inclusion Unit, emphasized that "this initiative fosters social inclusion and environmental citizenship while showcasing the creative potential of People of Determination." The event aligns with PUA's strategy to strengthen its position as an eco-friendly institution within the UI Green Metric ranking.
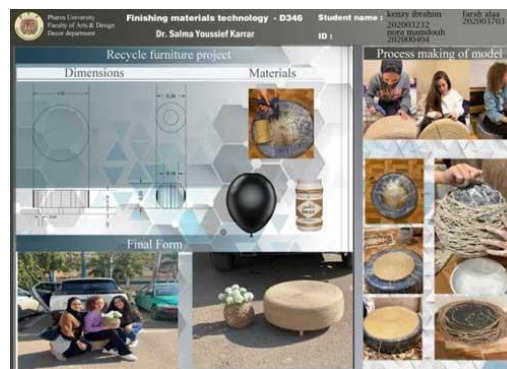
URL : https://www.pua.edu.eg/recycled-materials-workshop/

Designing Furniture Using Recycled Materials
Posted On: January 31, 2023

The Décor Department seeks to achieve the concept of sustainability in academic curricula. Therefore, 2nd year students in the Décor Department conducted a practical experiment in the finishing materials technology course (D346). This was done under the supervision of Dr. Salma Youssef Karrar, course lecturer, and under the auspices of Prof. Dr. Hana Yassin, Dean of the Faculty of Arts and Design and Prof. Dr. Najwan Shehata, Head of Department.

The students designed and implemented furniture using recycled materials. The designs proposed by the students varied using different recycled materials such as cardboard, metal barrels, car tires, glass scraps, CDs, plastic and wooden boxes, old bags and other used materials. The students' outputs were so excellent as they reshaped the used materials with distinct designs that achieve functionality and aesthetic value at cost efficient manner.

URL : https://www.pua.edu.eg/designing-furniture-using-recycled-materials/

Recycling Paper into Artworks
Posted On: May 22, 2024

Under the patronage of Prof. Dr. Mohamed Etman, Acting Vice President for Community Service and Environmental Development Affairs, and Prof. Dr. Omar Ghonim, Dean of PUA's Faculty of Arts and Design, the Faculty organized a workshop titled "Recycling Paper into Artworks." This workshop saw enthusiastic participation from students in their preparatory year (first semester).

During the workshop, students were divided into several groups. Each group was tasked with creating artworks by combining and pasting colored paper strips onto boards. The workshop aimed to encourage creativity and promote environmental sustainability by demonstrating how recyclable materials can be transformed into artistic creations.

The workshop moderators provided guidance and support throughout the activity, and many of the students' works were highly praised by the supervisors. The positive feedback and high level of engagement from the students led to a strong demand for the workshop to be repeated in the future.

URL: https://www.pua.edu.eg/recycling-paper-into-artworks/

Recycling Paper Through Origami
Posted On: May 22, 2024

As part of the "Recycle It (Green Pharos)" campaign, PUA's Faculty of Arts and Design hosted a visit from Abu Bakr Al-Siddiq Secondary School for Girls for a workshop titled "Recycling Paper through Origami." The workshop was led by Dr. Rana Hisham, Lecturer in the Décor Department, and Dr. Youmna Muhammad Yaqout, Lecturer in the Media Arts Department.

The event began with a simplified presentation aimed at the secondary school students, introducing them to World Environment Day and promoting environmental awareness. The presentation highlighted positive behaviors that contribute to environmental preservation. Following this, the origami workshop trained students on how to creatively reuse paper by teaching them various paper folding techniques to create different shapes. This activity aimed to instill in students the importance of recycling and to develop their paper folding skills, aligning with broader goals of improving environmental behaviors and educating young people on sustainable development.

At the end of the visit, the students toured the Faculty's permanent exhibition and took commemorative photos with the dean, making the event both educational and memorable.

URL: https://www.pua.edu.eg/recycling-paper-through-origami/

Sustainable Nutrition
Posted On: May 13, 2024

Sustainable nutrition encompasses food systems' capacity to furnish ample energy and essential nutrients for maintaining population health, while safeguarding the ability of future generations to fulfill their nutritional requirements. Sustainable food systems, with minimal environmental impact, uphold food and nutrition security, promoting healthy lives for present and future generations. Moreover, they safeguard biodiversity and ecosystems, ensuring cultural acceptability, accessibility, affordability, nutritional adequacy, safety, and healthiness.

In this vein, PUA's Faculty of Applied Health Sciences Technology elucidated a framework for achieving such sustainability. Efforts to enhance the sustainability of food systems vis-à-vis health and nutrition revolve around several axes. Firstly, curtailing food waste and pursuing sustainable protein sources are paramount. Addressing food waste involves strategies like minimizing waste in production, reusing when feasible, and recycling. Secondly, emphasis is placed on adopting more

sustainable protein sources, given the resource-intensive nature of animal farming. This entails a shift towards plant-based protein sources such as legumes, although animals still play a role in sustainable systems by utilizing non-arable land and recycling food waste stream.

URL: https://www.pua.edu.eg/sustainable-nutrition/

Plastic Recycling
Posted On: May 11, 2024

PUA's Faculty of Engineering conducted a workshop as part of its Green Pharos initiative, drawing attendance from a diverse group of students, teaching assistants, and faculty members. The workshop delved into various pressing issues, notably the peril and adverse impact of plastic waste on the environment at large, and its specific implications for the climate. It elucidated diverse methods for managing plastic waste, with a particular emphasis on mechanical recycling as a secure and ecologically sound approach. Moreover, the workshop outlined the challenges inherent in this system and proposed environmentally friendly solutions, advocating for increased awareness of critical extraction technology employing carbon dioxide gas. This underscored the significance of additive manufacturing in generating top-tier products with advanced applications, utilizing recycled plastic waste in a sustainable manner.

URL: https://www.pua.edu.eg/plastic-recycling/

Making Sculptures from Recycled Paper
Posted On: May 23, 2024

Within the activities of the Recycle It campaign (Green Pharos) and under the patronage of Prof. Dr. Mohamed Etman, Acting Vice President for Community Service and Environmental Development, PUA's Faculty of Arts and Design held a workshop entitled "Making Sculptures from Recycled Paper."

During this workshop, the students learned various techniques for maximizing the benefits of recycling paper waste, allowing them to create innovative and diverse sculptures and models from recycled materials. The workshop had a positive impact on all participants, inspiring creativity and fostering a greater appreciation for sustainable practices.

URL: https://www.pua.edu.eg/making-sculptures-from-recycled-paper/

Sustainability in Education Project
Posted On: May 13, 2024

As part of its commitment to the Sustainability in Education Project, PUA's International Relations Department concluded an agreement with Technological University Dublin (TU Dublin), a strategic partner of PUA, to provide a professional diploma program in sustainability in education. Under this agreement, PUA nominated faculty members from various faculties to participate in the program, equipping them with the essential tools to incorporate sustainability principles into their teaching methods.

Over a duration of six months, these faculty members engaged in workshops and fulfilled assignments to augment their expertise and capabilities. Additionally, representatives from diverse faculties showcased their effective integration of sustainability principles into their instructional approach.

URL: https://www.pua.edu.eg/%d9%85%d8%b4%d8%b1%d9%88%d8%b9-%d8%a7%d9%84%d8%a7%d8%b3%d8%aa%d8%af%d8%a7%d9%85%d8%a9-%d9%81%d9%8a-%d8%a7%d9%84%d8%aa%d8%b9%d9%84%d9%8a%d9%85/?lang=ar

A Workshop on Wastepaper Recycling
Posted On: May 22, 2023

Pharos University in Alexandria organized a workshop titled "Recycling Wastepaper and Producing an Implemented Design Unit". The workshop started with recycling used photo paper, which were collected by the Faculty students, to avoid going to waste or neglect. This workshop aims to raise the level of environmental awareness and correct waste management in order to preserve the environment and its resources.

At the end of the workshop, more than 40 students were divided into groups, and formed units assembled with different designs. They began to repeat them, forming a recycled paper gate in an innovative way, which gained the everyone's admiration. Numerous students demanded more of such workshops due to the practical benefit they bring to the field of specialization as well as the environment.
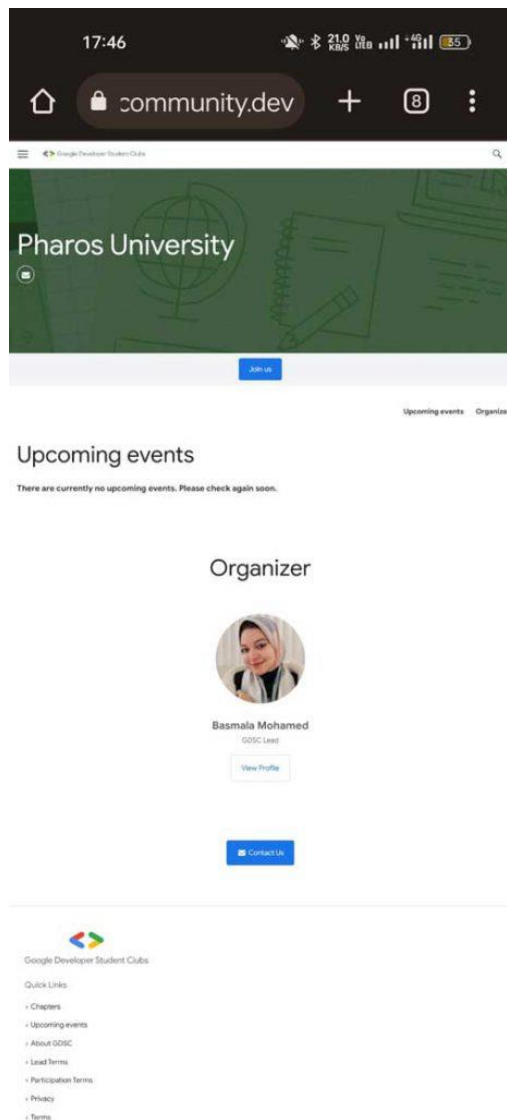
URL: https://www.pua.edu.eg/a-workshop-on-waste-paper-recycling/

Establishing Google Developer Student Club (GDSC)
Posted On: September 18, 2023

Ms. Basmala Mohamed Farouq, student of PUA's Faculty of Computer Science and Artificial Intelligence has successfully obtained approval from the Google to represent PUA in establishing Google Developer Student Club (GDSC). This club will work to integrate various specializations in line with current technological development and its impact on the labor market. It will also benefit from the full support of Google platforms, and allow participation in local and global competitions supported by Google.

Furthermore, the student attended an online interview with the official representative and passed it successfully. Then, she received a confirmation email from Google stating that she had been appointed as PUA's representative regarding the establishment of the GDSC. This was made possible with the supervision of Prof. Dr. Saad Darwesh, Dean, and Dr. Sahar Ghanim, a faculty member.

URL: https://www.pua.edu.eg/establishing-google-developer-student-club-gdsc/

Recycling CDs
Posted On: June 2, 2024

The Architectural Engineering Department prioritizes recycling activities and the use of waste materials to educate students on sustainability. In this context, the Department gathered all the used CDs stored in the archive and held a lecture to present innovative ideas for reusing these CDs, discuss methods for collecting them, and distribute them to needy participants.

Following the lecture, a group of teaching assistants conducted a scientific and entertaining activity titled "Recycling CDs to Create Lighting Units or Artistic and Decorative Paintings." This activity saw large student participation, with groups of 5 to 10 students working together under the supervision of Prof. Dr. Ramadan Abdel Maqsoud, the Department's Academic Supervisor, and Dr. Pakinam Nabil, the student activities coordinator.

URL: https://www.pua.edu.eg/recycling-cds/

Towards a Sustainable Tomorrow" Competition
Posted On: July 19, 2023

PUA's Faculty of Engineering held the "Towards a Sustainable Tomorrow" competition, which is held annually under the sponsorship and support of Birla Carbon Co. The competition aims to link engineering students' graduation projects to the labor market and real problems related to sustainability.

The Competition was opened with a speech delivered by Prof Dr. Mohammad Gaber Abu Ali, Dean, Faculty of Engineering. After that, students of the different academic departments presented their projects. Four academic departments participated in the competition; the Petrochemical Engineering Department with three projects, the Mechanical Engineering Department with four projects, the Electrical Engineering Department with two projects, and the Construction Engineering and Management Department with one project.

Further, faculty members supervising these graduation projects, along with all participating students were given credit. After the presentations and discussions were complete, the results were declared. The first place and a financial prize of EGP 17,000 were equally distributed to the students of two projects: "Thermal Performance of Solar Still Integrated with Solar Flat Plate Collector", and "Eco-Friendly Heat Stabilizer for PVC Using Mixture of Expandable Graphite & Ca/Zn Stearates".

While the second place and a financial prize of EGP 12,000 were equally distributed to the students of two projects: "Mini-Channel Solar Water Heater" and "Utilization of Sugar Beet Mud Waste in Fuel Gas Production".

Similarly, the third place and a financial prize of EGP 7,000 were equally distributed to the students of two projects: "Smart City with IoT" and "Design & Manufacturing of Dry Ice Blasting Machine Prototype".

At the end of the competition, prizes were distributed to the winning projects, and the members of the panel were thanked for their efforts. Moreover, Birla Carbon Co. was recognized for its annual sponsorship and support for the competition.

URL: https://www.pua.edu.eg/towards-a-sustainable-tomorrow-competition-2/

Field visit to Margham Plastic Industries Complex
Posted On: May 13, 2023

3rd year students of the Mechanical Engineering Department at PUA's Faculty of Engineering, conducted a field visit to Mergham Plastic Complex, which is considered the core of plastic industries. In response to the political leadership's encouragement for establishing new plastic industries projects, the Engineering Authority of the Armed Forces supervised the establishment of the complex. Then, the Ministry of Commerce and Industry offered it under the usufruct right system, including industrial licenses.

Given the nature of the complex's products, and its proximity to the sources of petrochemical products within the governorate, which are the main raw material for the plastic industry, the Ministry decided to make the Complex a specialized area for micro, small and medium plastic industries.

The students were fascinated by the Complex's features; whether the complete facilities and infrastructure services. Further, some of the Complex's specialists offered access to all services in a flexible and appropriate manner for various industries. As well as technical and logistical support services and training services by the Plastic Technology Center.

URL: https://www.pua.edu.eg/%d8%b2%d9%8a%d8%a7%d8%b1%d8%a9-%d9%85%d9%8a%d8%af%d8%a7%d9%86%d9%8a%d8%a9-%d9%84%d9%85%d8%ac%d9%85%d8%b9-%d9%85%d8%b1%d8%ba%d9%85-%d9%84%d9%84%d8%b5%d9%86%d8%a7%d8%b9%d8%a7%d8%aa-%d8%a7%d9%84%d8%a8-3/?lang=ar

Measurement of the amount of waste generated and recycled across Pharos University in Alexandria

At PUA management of waste is maintained by companies:

- Green Life Services Company is contracted to be responsible for the maintenance and cleaning of facilities. Within the framework of the company, the company has an integrated system for the collection and transport of waste.
- Nahdet Misr for Modern Environmental Services is contracted to dispose of toxic waste.
- a *Temporary Waste Storage* to safely store the Hazardous Waste received from the labs where they are originated until they are picked up from the authorized Company.

The following table gives the amount of waste generated and recycled:

	2022-2023	2023-2024
Amount of waste generated (Toxic electronic waste – Toxic – Paper – Organic)	342 mt	266 mt
Amount of waste recycled (Plastic – Metal)	144 mt	104.97 mt
Amount of waste sent to landfill	181 mt	145 mt

Total volume of organic waste produced:

Type of organic waste	Total Produced (ton) 2022-2023	Total Produced (ton) 2023-2024
- food waste	181.44	145

Total volume of inorganic waste produced

Type of inorganic waste	Total Produced (ton) 2022-2023	Total Produced (ton) 2023-2024
- paper	23.097	8.2
- soft plastic	45.36	36.3
- metal	75.6	60.48
Total	144.057	104.968

Total volume of toxic waste produced

Type of toxic waste	Total Produced (ton) 2022-2023	Total Produced (ton) 2023-2024
- electronics – lab chemicals	1.42	0.83

Courses that Support Responsible Consumption and Production

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
1	Applied Health Sciences Technology	Development and Regulation of Medical Products	MGDR-101	SDG12
2	Applied Health Sciences Technology	Ethical and Legal Issues in Health Fields	MGME-101	SDG12
3	Pharmacy	Environment and sustainability	PMC E01	SDG12
4	Pharmacy	Good Manufacturing Practices	PPC E02	SDG12
5	Pharmacy	Natural Cosmetics	PGD E01	SDG12
6	Pharmacy	Herbal medicine	PGD E02	SDG12
7	Pharmacy	Sustainability in Therapeutics	PLD E03	SDG12
8	Engineering	Material science	EP 217	SDG12
9	Engineering	Introduction to environmental engineering	EP 389	SDG12
10	Business	Consumer behavior	BF 746	SDG12
11	Mass Communication	Introduction to Economics	GEN 103_M	SDG 8 - SDG 12
12	Mass Communication	Marketing and media strategies	MC 302	SDG 12
13	Mass Communication	Advertising design and production	MC 306	SDG 12
14	Mass Communication	Advertising Production	PRAD 303	SDG 8 - SDG 12
15	Mass Communication	Advertising Campaigns Production	PRAD 400	SDG 12

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
16	Mass Communication	Promotions Management	PRAD 401	SDG 12
17	Mass Communication	Public Communication Campaigns	PRAD 403	SDG 12
18	Mass Communication	Reputation management	PR 400	SDG 12
19	Mass Communication	Planning and sponsoring the event	PR 305	SDG 12
20	Mass Communication	Managing crisis in Public Relations	PR 306	SDG 12 - SDG 17
21	Tourism and Hotel Management	Franchising in Tourism and Hospitality	THM 211	SDG 9 - SDG 12
22	Tourism and Hotel Management	Quality Mgt. in Tour & Hospital Enterprise	THM 271	SDG 8 - SDG 9 - SDG 11 - SDG 12
23	Tourism and Hotel Management	Consumer Behavior in Tour. & Hospitality	THM 162	SDG 8 - SDG 12
24	Tourism and Hotel Management	Customer Service in Tourism & Hospitality	THM 362	SDG 5 - SDG 12
25	Tourism and Hotel Management	Feasibility Study for Tourism & Hospitai.	THM 321	SDG 8 - SDG 12 - SDG 17
26	Tourism and Hotel Management	Ecotourism	TM 371	SDG 1 - SDG 3 - SDG 5 - SDG 6 - SDG 10 - SDG 11 - SDG 12 - SDG 15
27	Tourism and Hotel Management	Industry Internship (1)	TM 391	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
28	Tourism and Hotel Management	Industry Internship 2	TM 392	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17
29	Tourism and Hotel Management	Events Management	TM 411	SDG 11 - SDG 12
30	Tourism and Hotel Management	Tourism Project 1	TM 481	SDG 8 - SDG 9 - SDG 11 - SDG 12 - SDG 17
31	Tourism and Hotel Management	Tourism Project 2	TM 482	SDG 8 - SDG 9 - SDG 11 - SDG 12 - SDG 17
32	Tourism and Hotel Management	Industry Internship 3	TM 493	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17
33	Tourism and Hotel Management	Industry Internship 4	TM 494	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17
34	Tourism and Hotel Management	Current Issues in Food Service Industry	HM 336	SDG 2 - SDG 3 - SDG 12
35	Tourism and Hotel Management	Convention and Meeting Planning	TM 461	SDG 11 - SDG 12
36	Tourism and Hotel Management	Safe Food Service Management	HM 434	SDG 3 - SDG 6 - SDG 12
37	Tourism and Hotel Management	Introduction to Economics	GEN 101_T	SDG 3 - SDG 8 - SDG 12
38	Tourism and Hotel Management	Tourism and Hotel Marketing	THM 221	SDG 8- SDG 12- SDG 17
39	Tourism and Hotel Management	Tourism and Hotel Economics	THM 241	SDG 3 - SDG 8 - SDG12 - SDG 12 - SDG 1 - SDG 9
40	Tourism and Hotel Management	Tourism and the Environment	TM 314	SDG11 - SDG12

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
41	Arts and Design	Field Training	FT 001	SDG 4 - SDG 5 - SDG 9 - SDG12
42	Arts and Design	Graphic Art	AD 312	SDG 12
43	Arts and Design	Technology of Painting	DP 461	SDG 12
44	Arts and Design	Productivity printing technology (1)	G 365	SDG 9 - SDG12
45	Arts and Design	Productivity printing technology (2)	G 366	SDG 9 - SDG12
46	Arts and Design	Graduation Project Research	GD 581	SDG 6 - SDG 8 - SDG 11 - SDG 12 - SDG 13
47	Arts and Design	Graduation Project	GD 582	SDG 6 - SDG 8 - SDG 11 - SDG 12 - SDG 13
48	Arts and Design	Finishing Materials Technology	D 364	SDG 12
49	Arts and Design	Furniture Design	ID 425	SDG 9 - SDG 11 - SDG 12
50	Arts and Design	Interior Architecture Design (3)	ID 521	SDG 11 - SDG 12
51	Arts and Design	Mural Painting	MD 421 - MD 422 - MD 511 - MD 521	SDG 12
52	Arts and Design	Restoration of mural painting	MD 561	SDG 11 - SDG12
53	Arts and Design	Graduation Project Research	MD 581	SDG 11 - SDG12
54	Arts and Design	Graduation Project	MD 582	SDG 12
55	Finance and Administrative Sciences	Marketing	BM 105	SDG 12
56	Finance and Administrative Sciences	Operations Management	BT 423	SDG 11 - SDG12

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
57	Finance and Administrative Sciences	Managing Marketing strategy	BM 530	SDG 12
58	Finance and Administrative Sciences	Research Project I	BT 742	SDG 1 - SDG 2 - SDG 8 - SDG 9 - SDG 12 - SDG 13 - SDG 16
59	Finance and Administrative Sciences	Business & Society	BT 743	SDG 1 - SDG 2 - SDG8 - SDG 12 - SDG17
60	Finance and Administrative Sciences	Consumer Behavior	BT 746	SDG 12
61	Finance and Administrative Sciences	Strategic Marketing	BM 854	SDG 11 - SDG12
62	Finance and Administrative Sciences	Marketing Communication	BM 855	SDG 8 - SDG 12
63	Finance and Administrative Sciences	Marketing Research	BM 638	SDG 8 - SDG 12
64	Arts and Design	Cinema Scenery Design	TD 422	SDG 9 - SDG 12
65	Arts and Design	Theatrical Scenery Design	TD 423 - TD 424	SDG 7 - SDG 9 - SDG 12
66	Arts and Design	Costume Design	TD 427	SDG 9 - SDG 12
67	Arts and Design	Implementation Models (Maquette)	TD 561	SDG 9 - SDG 12
68	Arts and Design	Graduation Project Research	TD 581	SDG 7 - SDG 9 - SDG 11 - SDG 12
69	Arts and Design	Graduation Project	TD 582	SDG 7 - SDG 9 - SDG 11 - SDG 12
70	Arts and Design	Sewing Techniques	FD 261	SDG 12
71	Arts and Design	Industrial Garments' Machines and Equipment	FD 262	SDG 12

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
72	Arts and Design	Designing and Making Children's Clothes	FD 321	SDG 12
73	Arts and Design	Designing and Making Home Clothes	FD 322	SDG 12
74	Arts and Design	Design and Textile Printing	FD 323	SDG 12
75	Arts and Design	Advanced Sewing Techniques	FD 361	SDG 12
76	Arts and Design	Designing & Making Outdoor Clothes (M&F)	FD 421	SDG 12
77	Arts and Design	Designing & Making Special Needs Clothe	FD 422	SDG 12
78	Arts and Design	Quality Control	FD 431	SDG 12
79	Arts and Design	Modern Textiles Technology	FD 432	SDG 12
80	Arts and Design	Art of Marketing Clothes	FD 531	SDG 12
81	Arts and Design	Digital Design (3)	FD 551	SDG 12
82	Arts and Design	Special Professions Clothes	FD 561	SDG 12
83	Arts and Design	Smart Clothes Technology	FD 563	SDG 12
84	Arts and Design	Graduation Project Research	FD 581	SDG 4 - SDG 11 - SDG 12
85	Arts and Design	Graduation Project	FD 582	SDG 4 - SDG 11 - SDG 12
86	Arts and Design	Technical Equipment	D 366	SDG 6 - SDG 9 - SDG 12
87	Arts and Design	Criticism & Analysis in Interior Design	ID 531	SDG 4 - SDG 9 - SDG 12
88	Pharmacy	Project in Pharmacognosy & Natural Prod.	PG E08	SDG 3 - SDG 12

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
89	Engineering	Technical Report Writing and Presentation	HU 113	SDGs 12 SDG7
90	Engineering	Introduction to Environmental Engineering	ES 201_E	SDG 10 - SDG 11 - GDG 12
91	Engineering	Digital Logic Fundamentals	EE 202	SDG7, SDG11 & SDG12
92	Engineering	Introduction to Electronic Circuits	EE 213	SDG3, SDG7, SDG9, SDG11, SDG12 & SDG13
93	Engineering	Micro-Electronic Devices and Circuits	EE 224	SDG3, SDG7, SDG9, SDG11, SDG12
94	Engineering	Energy Systems	EE 271	SDG 3, SDG 7, SDG 11, SDG 12 & SDG 13
95	Engineering	Digital Integrated Circuits	EE 338	SDG3, SDG7, SDG9, SDG11, SDG12
96	Engineering	Digital Image Processing	EE 345	SDG7 & SDG12
97	Tourism and Hotel Management	Hospitality project 1	HM 481	SDG 11 - SDG 12
98	Dentistry	Chemistry 2	CHM122	SDG 12
99	Dentistry	Dental biomaterials 2	RDM222	SDG 12
100	Engineering	Graduation Project (2) Water and Wastewater Engineering	ES 400-2	SDG 12 - SDG 11 - SDG 7
101	Engineering	Engineering Perspectives and Technology	HU 121!!	SDG 3 - SDG 4 - SDG 7 - SDG 8 - SDG 9 - SDG 12 - SDG 17

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
102	Engineering	Engineering Environment and Society	HU 161!!	SDG 3 - SDG 5 - SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 11 - SDG 12 - SDG 13 - SDG 14 - SDG 15 - SDG 17
103	Engineering	Numerically Controlled Machines	EM327	SDG 9 - SDG 12
104	Financial and Administrative Sciences	Islamic Finance	BF858	SDG 1 - SDG 2 - SDG 3 - SDG 4 - SDG 5 - SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 10 - SDG 11 - SDG 12 - SDG 13 - SDG 14 - SDG 15 - SDG 16 - SDG 17
105	Financial and Administrative Sciences	Marketing communications	BM855	SDG 12
106	Arts and Design	Permanent And mobile exhibition	AD311	SDG 9 - SDG 12
107	Arts and Design	Mosaic Art	AD313	SDG 12 - SDG 9
108	Arts and Design	Interactive Design	MA352	SDG 12
109	Arts and Design	Visual FX	AV462	SDG 12
110	Arts and Design	Principles of Mural Painting	P314	SDG 12
111	Arts and Design	Artistic design (2)	P222	SDG 12
112	Arts and Design	Leather Products	FD 363	SDG 12

Publications that Address Responsible Consumption and Production (19 publications)

https://www.pua.edu.eg/wp-content/uploads/2025/11/PublicationsSDG12.pdf