



Pharos University in Alexandria
Vice President for Graduate Studies & Research
International Ranking Committee

THE Impact Ranking SDG9 Report

SDG

9

Industry, Innovation
and Infrastructure





SDG 9 Industry, Innovation and Infrastructure

Investments in infrastructure – transport, irrigation, energy and information and communication technology – are crucial to achieving sustainable development and empowering communities in many countries. Innovation through links to industry is explored.

Industry, Innovation and Infrastructure Events

PUA in the New Alamein Festival 2024

Under the patronage of the Ministry of Higher Education and Scientific Research, the United Company, Pharos University in Alexandria (PUA), and the Student Activities Sector of the Ministry of Higher Education and Scientific Research, PUA is participating with a group of its students representing all its faculties in the New Alamein Festival 2024 under the slogan “Alamein, the World.”

PUA’s contribution aims to engage university youth in the activities of new cities, allowing them to witness firsthand the development and achievements in these areas. This participation will provide students with an opportunity to observe the remarkable urban development across New Alamein City, reflecting the state’s commitment to progress in all fields, particularly urban development in new cities.



URL: <https://www.pua.edu.eg/pua-in-the-new-alamein-festival-2024/>



EPC Field Training

Pharos University in Alexandria (PUA) places significant emphasis on field training for its students, recognizing its essential role in developing their skills and preparing them to compete in the labor market. In line with this, PUA facilitated training programs for students from the Faculty of Engineering and the Faculty of Financial and Administrative Sciences at the Egyptian Petrochemicals Company (EPC). The training provided students with valuable experience and



enhanced their competencies, further reflected by the accredited certificates awarded upon successful completion. These certificates affirm the students' practical expertise, positioning them to compete with their peers from other universities. The training initiative was overseen by Prof. Dr. Mohamed Etman, Acting Vice President for Community Service and Environmental Development Affairs.





PUA Signs a Cooperation Protocol with Edulexa

Prof. Dr. Mohamed Etman, PUA's Acting Vice President for Community Service and Environmental Development Affairs, recently welcomed Mr. Mohamed Abdel Wahab Shalaby, Founder and CEO of Edulexa for Professional and Administrative Development, along with Mr. Mohamed Abdel Mohsen El-Naggar and Mr. Safi El-Rahman Ibrahim.

During their meeting, they explored various avenues for collaboration between PUA and Edulexa, focusing on mutual benefits for both parties. The discussions culminated in the signing of a cooperation protocol aimed at providing PUA students with advanced training, enhancing their skills through cutting-edge electronic programs and applications.

This initiative reflects PUA's commitment to preparing its students for the labor market by equipping them with the highest level of training, enabling them to compete effectively with graduates from other universities.



URL: <https://www.pua.edu.eg/pua-signs-a-cooperation-protocol-with-edulexa/>



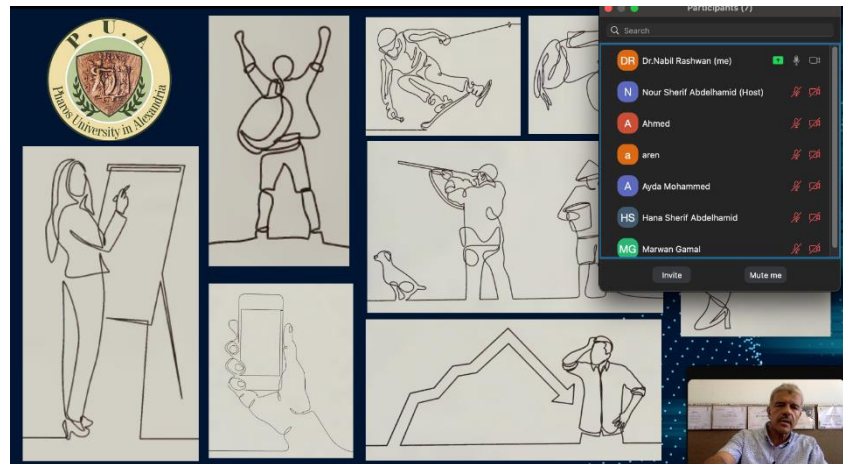
Startup Olympics

Pharos University in Alexandria (PUA) has started the training camp for the Startup Olympics, which will last for two weeks. Within this framework, PUA prepared a training program for its qualified competing teams, which number 14 teams from various faculties, in addition to 9 teams from the Arab Academy for Science, Technology and Maritime Transport (AASTMT), and one team from the Egyptian-Japanese University (E-Just).

The final stage of this competition will be held on July 15, 2024, where all these teams will compete in the field of innovation and entrepreneurship to choose the top three places at the level of Alexandria universities. This event takes place under the auspices of the Innovators Support Fund of the Ministry of Higher Education and Scientific Research.

In addition, a comprehensive training program was developed in cooperation with Technospace, a leading innovation company, and an elite group of experts in the field of entrepreneurship. It is worth noting that Dr. Nabil Rashwan, PUA's coordinator for the Innovators Support Fund and the executive director of PUA's Innovators Support Center, personally supervises these events.

URL: <https://www.pua.edu.eg/startup-olympics/>





ICNTSE-2024

At Pharos University in Alexandria, Egypt Organized by Faculty of Engineering Pharos University in Alexandria, Egypt KTH Royal Institute of Technology Stockholm, Sweden ICNTSE 2024 will bring together leading researchers, academicians, engineers, and scientists in the domain of interest from around the world. We warmly welcome prospected authors to submit their research papers to ICNTSE 2024



Faculty of Engineering
Pharos University in
Alexandria, Egypt



ICNTSE 2024
The Fourth International Conference on
New Trends in Sustainable Energy
"Sustainability in the Digital Era"
25-26 November 2024



KTH
Royal Institute of Technology
Stockholm, Sweden

URL: <https://www.pua.edu.eg/faculty-of-engineering/conferences-2/icntse-2024/>

A Field Visit to the Bus Building

Within the scope of the fruitful and constructive cooperation with the Egyptian Armed Forces, the Architectural Engineering Department at PUA's Faculty of Engineering organized a field visit to the bus building in the New Administrative Capital. This visit, which included the junior students (8th semester), came within the Executive Designs course (4).

The students were received by some military leaders who explained to them the project's idea and various components. The project area stretches over 1,500 acres, divided into eight mixed-use buildings (service, commercial, and administrative). The project also includes 8 bus stops, a bus service and maintenance center, and parking spaces for cars and buses.

In addition, during the visit, the students learned how project's technical works are executed, modern systems used in sanitation works, methods of distributing and installing electricity works, air conditioning works, and fire-fighting systems in different areas, and how to coordinate between these systems. The general goal of this visit, however; was to link the theoretical academic studies with the practical experience.



URL: <https://www.pua.edu.eg/a-field-visit-to-the-bus-building/>

PUA's Architectural Engineering Wins Amir Taz Palace Development Competition

As part of PUA's Architectural Engineering Department's commitment to supporting its students and encouraging creativity and participation in architectural competitions, the faculty's representative team, consisting of postgraduate students Eng. Heba Mohamed Moustafa and Eng. Ghada Abdel Wahab Ibrahim, won a cash prize of EGP 20 thousand and a certificate of appreciation. The victory came in the competition organized by the Cultural Development Fund for Young Architects under the title: "Amir Taz Palace – The Egyptian Architect's House: A New Vision and Enhancement of the Cultural Role", supervised by Prof. Dr. Reham Nadi Faragallah.

The competition aimed to present a vision for developing creative centers and enhancing their cultural role by rehabilitating and utilizing the interior spaces of the Egyptian Architect's House and Amir Taz Palace, leveraging available spaces to boost the cultural role of historic houses through various activities. The exhibition featured 9 projects that qualified for the finals from different Egyptian university architecture departments.

The closing ceremony for prize distribution was held at Amir Taz Palace, in cooperation with the Architecture Division of the Syndicate of Engineers and the Center for Planning and Architectural Studies. Architect Hamdy El-Sotouhy, Assistant Minister of Culture and Head of the Cultural Development Fund Sector, expressed his delight with the level of ideas presented, confirming that the competition represents an important architectural movement stimulating creativity.

The judging panel consisted of a selection of prominent architecture professors and practitioners, including, namely:

- **Ali Gabr**, Professor of Architecture at Cairo University and Dean of the Faculty of Engineering at New Giza University (NGU).
- **Hala Barakat**, Dean of the College of Arts and Design at the Arab Academy for Science, Technology and Maritime Transport (AASTMT).
- **Ahmed El Zayat**, Head of the Architecture Division at the Syndicate of Engineers.
- **Yasser El Sayed**: Dean of the Faculty of Fine Arts
- **Architect Moaz Abu Zeid**, Prominent architect and practitioner.
- **Architect Wael El Masr**, President of the Jordanian Association of Architects.

<https://www.pua.edu.eg/puas-architectural-engineering-wins-amir-taz-palace-development-competition/>





E. Libyan Ambassador Visits PUA's Architectural Engineering

Prof. Dr. Ramadan Abdel Maksoud, Academic Supervisor of the Department of Architectural Engineering at PUA's Faculty of Engineering, received H. E. Ambassador of the State of Libya and his accompanying delegation during an official visit aimed at learning about the Department's facilities and its academic and creative activities.

During the visit, the Ambassador toured the architectural design studios, where he met several faculty members and students and reviewed examples of their outstanding projects, which reflect their creative abilities and their application of the latest trends in architecture and urban planning.

The visit concluded with a tour throughout the Department's permanent exhibition, where the Ambassador expressed his admiration for the academic and professional level of the students, as well as for the comprehensive educational environment provided by the university to support the learning process and architectural creativity.



<https://www.pua.edu.eg/e-libyan-ambassador-visits-puas-architectural-engineering/>



Experts Day

Driven by the commitment of PUA's Faculty of Tourism and Hotel Management to enhance the link between academic study and practical experience, the Faculty hosted an "Experts Day" event. It was supervised by Prof. Dr. Mohamed Nassar, Dean of the Faculty, and Prof. Dr. Ghada Bassiouny, Vice Dean, and featured the participation of a group of experts and specialists in the tourism and hospitality sector.

The event was attended by Mr. Mohamed Saad, former Head of the General Authority for Tourism Promotion, Ms. Azza Reda, Operations Manager and Director of Tuleen Tourism Company, Mr. Islam Sabah, former Front Office Manager at Grand Plaza Hotel/Grand Egypt Company), and Mr. Naji Abu Hashima. The experts provided professional insights into the current challenges in the tourism and hotel sector and ways to enhance the professional performance of young talent. During the event, student groups presented their creative projects and ideas to the guests, where they were discussed and evaluated from a professional perspective, allowing students the opportunity to receive direct feedback from experts and develop their presentation and critical thinking skills.

The Dean of the Faculty, Prof. Dr. Mohamed Nassar, affirmed that organizing such events is part of the Faculty's endeavor to qualify its students for the job market and enhance their practical abilities, noting that direct interaction with field experts represents added value in preparing qualified tourism professionals for the future.





Pharos University in Alexandria
Faculty of Tourism and Hotel Management

Industry Experts Day

Join Us for a Workshop on Recent industry insights & updates 2025/2026
"Connecting Minds, Shaping Futures!"

FOCUS

- Research and Development Collaboration
- Entrepreneurship and Innovation
- Industry Trends and Future Predictions
- Curriculum Development for Industry Relevance
- Skill Gaps and Workforce Readiness

Azza Reda Former Director of Grand-Egypt Company Alexandria Branch	Naji Abu Hashima Director of Tuleen Tours Company in Alexandria	Wael Rashad Operation Manager Grand Plaza Hotel	Mohamed Saad Former Director of the Regional Authority for Tourism Promotion in Alexandria
			

Date Tuesday 14 th, October 2025	Time 10:30 am to 12:30 pm	Venue Faculty of THM, 6th floor, room D 609
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<https://www.pua.edu.eg/experts-day/>



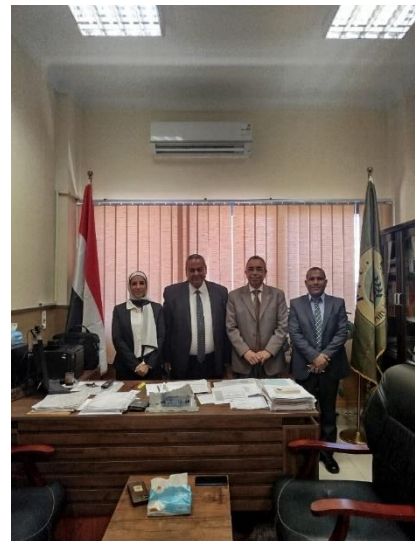
A Cooperation Protocol with Moharam Industrial Printing Company

Pharos University in Alexandria (PUA) is keenly committed to providing distinguished training opportunities for its students and enhancing cooperation with industrial sector institutions. In this context, Dr. Mohamed Etman, PUA's Vice President for Community Service and Environmental Development Affairs signed a joint cooperation protocol with Moharam Industrial Printing Company.

The company was represented in the signing by Eng. Onsy Isaac Saleh as Chairman of the Board of Directors, and Mr. Essam Mohamed Abdel Moneim, Head of Legal Affairs, for training students of the Faculty of Arts and Design.

The protocol aims to develop students' artistic and technical skills in the fields of design, printing, and industrial production, in line with modern labor market requirements.

This step comes within the university's strategy to link academic education with practical application, preparing qualified graduates capable of competing in the local and regional job market.



<https://www.pua.edu.eg/a-cooperation-protocol-with-moharam-industrial-printing-company/>



Petrochemical Engineering Students Achieve Scientific Breakthrough ICEE-13

The Petrochemical Engineering Department at PUA's Faculty of Engineering has announced a remarkable achievement by its senior students at the 13th International Conference on Chemical and Environmental Engineering (ICEE-13), recently hosted by the Military Technical College in Cairo.

A student team successfully presented an outstanding research paper titled "Economic, Environmental, and Technical Recycling of Plastics in the Automotive Industry," which forms part of their graduation project. The research was later accepted for publication and presenting in the prestigious conference proceedings.

The research team consists of students Hassan Abu Zeid, Ziad Mohamed Abdel Hadi, Karim Mohamed Mansour El-Essawy, and Ibrahim Mohamed Ibrahim Gawish, under the supervision of a distinguished scientific committee including Prof. Dr. Ehsan Nassef, Head of the Petrochemical Engineering Department, Dr. Reham Mohamedein from El Sewedy Cables Company, and Dr. Radwa Zaraa, Lecturer at the Petrochemical Engineering Department.

During the conference, Staff Major General Dr. Eng. Hossam El-Sayed Mustafa, Conference Rapporteur, personally honored the students and presented them with certificates of appreciation in recognition of their outstanding performance and notable scientific effort.

The research received wide acclaim from the judging panel and attendees who emphasized its importance from economic, environmental, and technical perspectives, noting its potential for practical application in the automotive manufacturing sector. They also commended the high scientific and professional level demonstrated by the students during their presentation and discussion.



<https://www.pua.edu.eg/petrochemical-engineering-students-achieve-scientific-breakthrough-icee-13/>



Localizing the Pharmaceutical Raw Materials Industry

As part of its ongoing efforts to enhance drug security and achieve self-sufficiency in the pharmaceutical industry—and in continuation of its active community role—Prof. Dr. Mohamed Etman, PUA's Vice President for Community Service and Environmental Development Affairs, received a delegation from the Chamber of Commerce. The delegation included Dr. Mustafa Mahmoud, Head of the Chamber's Pharmacy Owners Division, as well as Dr. Mohamed Abdeen and Dr. Mohamed Hamed, members of the division. The visit focused on exploring avenues for cooperation in localizing the pharmaceutical raw materials industry in Egypt.

The meeting underscored the critical importance of localizing this strategic sector, especially in light of global challenges that have highlighted the vulnerability of relying on imports—as demonstrated during the COVID-19 pandemic, which significantly disrupted pharmaceutical supply chains. Participants emphasized the urgency of reducing dependence on foreign sources and strengthening domestic capabilities to produce raw materials, thereby ensuring the continuous availability of essential medicines and safeguarding national drug security.

In addition to these goals, the meeting explored the potential benefits of localizing production, such as easing pressure on foreign currency reserves and creating export opportunities in Arab and African markets. Egypt's low labor costs and geographic proximity to these regions offer a competitive advantage.

The discussion also reviewed several proposed implementation steps, including offering incentives and facilities to local investors, fostering alliances among leading pharmaceutical companies, and leveraging the capabilities of public sector entities such as El Nasr Chemicals Company to support this national initiative.

The meeting concluded with an agreement to begin by producing widely used pharmaceutical raw materials, including paracetamol and ketoprofen, due to their high domestic demand and ease of local manufacturing. This step represents a promising move toward localizing pharmaceutical production in Egypt and enhancing the country's resilience against future global disruptions.

<https://www.pua.edu.eg/localizing-the-pharmaceutical-raw-materials-industry/>



PUA Participates in Launching the National Policy for Sustainable Innovation

Pharos University in Alexandria (PUA) took part in the launch ceremony of the National Policy for Sustainable Innovation and the competitive call for the presidential initiative “Alliance and Development,” held in Cairo.

During the event, H. E. Prof. Mohamed Ayman Ashour, Minister of Higher Education and Scientific Research, emphasized the importance of fostering alliances to drive innovation and entrepreneurship through strategic partnerships between the public and private sectors. He also highlighted the role of scientific research as a cornerstone of the Ministry’s national strategy, aligning with the Egyptian government’s 2024-2026 work plan and the broader objectives of Egypt’s Vision 2030. The ceremony also featured dialogue sessions exploring the mechanisms for implementing and activating the initiative.

Reaffirming its commitment to advancing scientific research and innovation, PUA, through its Postgraduate Studies and Research Sector, has introduced new strategies aimed at internationalizing research and enhancing its societal impact. These strategies focus on scientific research and international publishing, promoting an integrated approach that incorporates entrepreneurship into research and innovation, in alignment with Egypt’s Vision 2030. PUA seeks to bridge research and industry by identifying high-value research opportunities, transforming them into emerging projects with potential industrial collaborations, and channeling them into investment and entrepreneurship. Additionally, PUA is committed to integrating entrepreneurship and sustainability in scientific research to expand applicable and market-driven innovations. This includes developing eco-friendly smart medicines, waste reuse technologies, and green technology solutions, ensuring that research outcomes meet environmental, academic, and social standards.

By merging entrepreneurship with sustainability in scientific research, PUA contributes to a holistic development model—advancing research, economy, and societal well-being, while reinforcing the role of scientific research as a key driver of sustainable development.



<https://www.pua.edu.eg/pua-participates-in-launching-the-national-policy-for-sustainable-innovation/>



Courses that Support Industry, Innovation and Infrastructure

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
1	Tourism and Hotel Management	Entrepreneurship in Hospitality Industry (Elective)		SDG9
2	Mass Communication	Communication and Development	COM 103	SDG 1 - SDG 2 - SDG 7 - SDG 9 -SDG 11
3	Mass Communication	Electronic media Laboratory	EMED 300	SDG 4 -SDG 9
4	Mass Communication	Journalism Laboratory	JOR 300 - PRS 300	SDG 4 -SDG 9
5	Mass Communication	Marketing communication Laboratory	MC 300	SDG 4 -SDG 9
6	Mass Communication	Advertising &Public Relations Laboratory	PR 300	SDG 4 -SDG 9
7	Mass Communication	Public relations in industrial and educa	PR 407	SDG 9
8	Mass Communication	TV production Laboratory	PTV 300	SDG 4 -SDG 9
9	Mass Communication	Documentary film and programs production	PTV 302	SDG 9
10	Mass Communication	TV product marketing	PTV 400	SDG 9
11	Mass Communication	Production of television drama	PTV 403	SDG 9
12	Tourism and Hotel Management	Introduction to Tourism and Hospitality	THM 201	SDG 1 - SDG 3 - SDG 4 - SDG 8 - SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
13	Tourism and Hotel Management	Franchising in Tourism and Hospitality	THM 211	SDG 9 - SDG 12
14	Tourism and Hotel Management	Quality Mgt. in Tour&Hospital Enterprise	THM 271	SDG 8 - SDG 9 - SDG 11 - SDG 12
15	Tourism and Hotel Management	Tourism Transportation	TM 312	SDG 9
16	Tourism and Hotel Management	Industry Internship (1)	TM 391	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17
17	Tourism and Hotel Management	Industry Internship 2	TM 392 - TM 493 - TM 494	SDG 8 - SDG 9 - SDG 12 - SDG 16 - SDG 17
18	Tourism and Hotel Management	Tourism Project 1	TM 481 - TM 482	SDG 8 - SDG 9 - SDG 11 - SDG 12 - SDG 17
19	Tourism and Hotel Management	Entrepreneurship in Hospitality Industry	HM 419	SDG 9
20	Tourism and Hotel Management	Resort and Condominium Management	HM 411	SDG 7 - SDG 9
21	Tourism and Hotel Management	Hospitality Facilities Planning&Design	HM 451	SDG 6 - SDG 7 - SDG 9 - SDG 11
22	Tourism and Hotel Management	Hospitality Project 2	HM 482	SDG 7 - SDG 9
23	Tourism and Hotel Management	Creative Awareness	GEN 201_T	SDG 9
24	Tourism and Hotel Management	E-Marketing for Tourism and Hospitality	THM 421	SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
25	Tourism and Hotel Management	Real Estate Valua. for Tour.&Hospital.	THM 444	SDG 9
26	Tourism and Hotel Management	Airline Reservation System&Ticketing	TM 331 - TM 332	SDG 9
27	Tourism and Hotel Management	Travel Agency and Front Desk Management	TM 333	SDG 9
28	Tourism and Hotel Management	Hotel Management Information Systems	HM 313	SDG 9
29	Tourism and Hotel Management	Automated Travel Systems	TM 431	SDG 9
30	Tourism and Hotel Management	Tourism Managemet Technology Application	TM 441	SDG 9
31	Arts and Design	Field Training	FT 001	SDG 4 - SDG 5 - SDG 9 - SDG 12
32	Arts and Design	Permanent and Mobile Exhibitions	AD 311	SDG 9 - SDG 11
33	Arts and Design	Visual Composition	MA 221	SDG 4 - SDG 9
34	Arts and Design	Digital Imaging	MA 251	SDG 9 - SDG 11
35	Arts and Design	Digital Illustration	MA 253	SDG 9 - SDG 11
36	Arts and Design	Video Editing (1)	MA 255	SDG 4 - SDG 9
37	Arts and Design	Video & Animation Design and Theory	MA 331	SDG9 - SDG 11
38	Arts and Design	Sound Design	MA 362	SDG 9 - SDG 11
39	Arts and Design	Productivity printing technology	G 365 - G 366	SDG 9 - SDG12



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
40	Arts and Design	Typography (1)	GD 471 - GD 472 - MA 271 - MA 371 - GD 571	SDG 4 - SDG 6 - SDG 7 - SDG 9 - SDG11 - SDG 14 - SDG 15
41	Arts and Design	Interior Design	D 221 - D 222	SDG 9
42	Arts and Design	Visual Studies	D 231 - D 232	SDG 4 - SDG 9
43	Arts and Design	Building Construction	D 361 - D 362	SDG9
44	Arts and Design	Technical Working Details	D 363	SDG9
45	Arts and Design	Working Details	D 365	SDG9
46	Arts and Design	Arts of Fantasy and Science Fiction	TD 535	SDG 9
47	Arts and Design	Marketing and Consumer Psychology	I 532	SDG9
48	Arts and Design	Detailed Drawings	ID 423 - ID 424 - ID 522	SDG 9
49	Arts and Design	Furniture Design	ID 425	SDG 9 - SDG 12 - SDG 11
50	Arts and Design	Graduation Project Research	ID 581	SDG 7 - SDG 9 - SDG 11 - SDG 13
51	Arts and Design	Graduation Project	ID 582	SDG 7 - SDG 9 - SDG 11 - SDG 13
52	Arts and Design	Materials Technology	MD 461	SDG 9
53	Finance and Administrative Sciences	Information Management	BT 316 - BT 422	SDG 9
54	Finance and Administrative Sciences	Research Project	BT 742 - BT 851	SDG 1 - SDG 2 - SDG 8 - SDG 9 - SDG 12 - SDG 13 - SDG 16



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
55	Finance and Administrative Sciences	Strategic Info. System	BT 852	SDG 9
56	Physical Therapy	Industrial Physical Therapy	PTEL 002	SDG 3 - SDG 9
57	Physical Therapy	Rehabilitation technology	PTEL 007	SDG 3 - SDG 9
58	Arts and Design	Advanced Motion Graphics	AV 421	SDG 9 - SDG 11
59	Arts and Design	Editing Esthetics	AV 433	SDG 9 - SDG 11
60	Arts and Design	Directing for the Screen	AV 566	SDG 9 - SDG 11
61	Arts and Design	Digital photography	TD 411 - MA 361	SDG 4 - SDG 5 - SDG 7 - SDG 9 - SDG 11
62	Arts and Design	Television Scenery Design	TD 421	SDG 7 - SDG 9
63	Arts and Design	Cinema Scenery Design	TD 422	SDG 9 - SDG 12
64	Arts and Design	Theatrical Scenery Design	TD 423 - TD 424	SDG 7 - SDG 9 - SDG 12
65	Arts and Design	Computer Aided Design	TD 425 - TD 426	SDG 9
66	Arts and Design	Costume Design	TD 427	SDG 9 - SDG 12
67	Arts and Design	Modern Art	TD 441	SDG 4 - SDG 9
68	Arts and Design	Audio and Visual	TD 461 - TD 462	SDG 7 - SDG 9
69	Arts and Design	Theatrical Techniques	TD 463	SDG 4 - SDG 9
70	Arts and Design	Digital Character Design	TD 521	SDG 7 - SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
71	Arts and Design	Scenography	TD 531	SDG 4 - SDG 9
72	Arts and Design	Musical Appreciation	TD 532	SDG 9
73	Arts and Design	Sociology & Psychology of Design	TD 533	SDG 7 - SDG 9
74	Arts and Design	History of Cinema	TD 541	SDG 7 - SDG 9
75	Arts and Design	Implementation Models (Maquette)	TD 561	SDG 9 - SDG 12
76	Arts and Design	Technology of Contemporary Theater	TD 562	SDG 7 - SDG 9
77	Arts and Design	Graduation Project Research	TD 581	SDG 7 - SDG 9 - SDG 12 - SDG 11
78	Arts and Design	Graduation Project	TD 582	SDG 7 - SDG 9 - SDG 12 - SDG 11
79	Arts and Design	Drawing	D 211 - D 212 - ID 411 - MD 411	SDG 9
80	Arts and Design	Geometric Projection	D 213	SDG 9
81	Arts and Design	Shading Theory	D 233	SDG 9
82	Arts and Design	Technical Equipment	D 366	SDG 6 - SDG 9 - SDG 12
83	Arts and Design	Applications of Art Works in Interior D	ID 571	SDG 9
84	Arts and Design	Landscape	ID 412	SDG 9 - SDG 11 - SDG 13
85	Arts and Design	Interior Architecture Theories	ID 431	SDG 7 - SDG 9 - SDG 11
86	Arts and Design	Landscape Architecture	ID 524	SDG 9 - SDG 11 - SDG 13
87	Arts and Design	Criticism & Analysis in Interior Design	ID 531	SDG 4 - SDG 9 - SDG 12



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
88	Arts and Design	Architectural Render	ID 551	SDG 9 - SDG 7 - SDG 11
89	Pharmacy Pharm-D(Clinical)	Information Technology	PCC 104 - PCC 404	SDG 9
90	Pharmacy Pharm-D(Clinical)	Overview Of spectroscopy	PCC E05	SDG 3 - SDG 9
91	Pharmacy Pharm-D(Clinical)	Good Manufacturing Practices	PPC E02	SDG 3 - SDG 9
92	Pharmacy Pharm-D(Clinical)	Pharmaceutical Nanotechnology	PPC E03	SDG 3 - SDG 9
93	Pharmacy	Instrumental Analysis	PC 307	SDG 9
94	Pharmacy	Analytical Quality Assurance and Control	PC 511	SDG 3 - SDG 9
95	Pharmacy	Pharmaceutical Technology	PP 409	SDG 3 - SDG 9
96	Pharmacy	Pharmaceutics III	PP 510	SDG 3 - SDG 9
97	Pharmacy	Unit Operations	PP 511	SDG 3 - SDG 9
98	Pharmacy	Advanced Instrumental Analysis	PC E12	SDG 9
99	Pharmacy Pharm-D	Pharmaceutical Analytical Chemistry I	PCD 101	SDG 3 - SDG 9
100	Pharmacy Pharm-D	Pharmaceutical Organic Chemistry I	PCD 102	SDG 3 - SDG 9
101	Pharmacy Pharm-D	Information Technology I	PCD 104	SDG 9
102	Pharmacy Pharm-D	Pharmaceutical Analytical Chemistry II	PCD 105	SDG 3 - SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
103	Pharmacy Pharm-D	Pharmaceutical Organic Chemistry II	PCD 106	SDG 3 - SDG 9
104	Pharmacy Pharm-D	Pharmaceutical Analytical Chemistry III	PCD 201	SDG 3 - SDG 9
105	Pharmacy Pharm-D	Instrumental Analysis	PCD 203	SDG 9
106	Pharmacy Pharm-D	Electroanalytical Methods	PCD 204	SDG 3 - SDG 9
107	Pharmacy Pharm-D	Information Technology II	PCD 402	SDG 9
108	Pharmacy Pharm-D	Analytical Quality Control of Pharmace.	PCD 501	SDG 3 - SDG 9
109	Pharmacy Pharm-D	Biotechnology	PMD 501	SDG 3 - SDG 9
110	Pharmacy Pharm-D	Pharmaceutical Technology I	PPD 401	SDG 3 - SDG 9
111	Pharmacy Pharm-D	Pharmaceutical Technology II	PPD 402	SDG 3 - SDG 9
112	Pharmacy Pharm-D	Good Manufacturing Practice	PPD 501	SDG 3 - SDG 9
113	Pharmacy Pharm-D	Pharmaceutical Nontechnology	PPD E02	SDG 3 - SDG 9
114	Engineering	Chemistry and Materials	EB 132	SDG 9
115	Engineering	Surveying	ES 254	SDG 9
116	Engineering	Geographical Information System (GIS)	EA 020	SDG 9 and SDG 11



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
117	Engineering	Linear Algebra	EB 104	SDG 4 – SDG 8 - SDG9 -SDG 11
118	Engineering	Numerical Analysis Using MATLAB	EB 207	SDG 4 – SDG 8 - SDG9 -SDG 11
119	Engineering	Introduction to Digital Logic Design	EC 121	SGD 8 – SGD 9
120	Engineering	Discrete Mathematics	EC 171	SGD 8 – SGD 9 – SDG 11
121	Engineering	Advanced Digital Logic Design	EC 222	SGD 8 – SGD 9
122	Engineering	Data and Computer Communications	EC 361	SGD 7 – SGD 8 – SGD 9
123	Engineering	Computer Networks	EC 363	SGD 7 – SGD 8 – SGD 9
124	Engineering	Computational Models	EC 372	SGD 7 – SGD 8 – SGD 9
125	Engineering	Electric Circuits	EE 291	SDG 9
126	Engineering	Digital Control System	EE 391	SDG 7 – SDG 9 - SDG11
127	Engineering	General Chemistry	EB 131	SDG 9
128	Engineering	Eng. Drawing & Descriptive Geometry (1)	EB 141	SDG 11 - SDG 9
129	Engineering	Engineering Mathematics (3)	EB 103	SDG 4 – SDG 8 - SDG9 -SDG 11
130	Engineering	Engineering Mathematics (4)	EB 204	SDG 4 – SDG 8 - SDG9 -SDG 11
131	Engineering	Engineering Materials	ES 101_E	SDG9
132	Engineering	Concrete Materials	ES 202_E	SDG 9 - SDG 11



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
133	Engineering	Construction Project Management	ES 203_E	SDG 9 - SDG 11
134	Engineering	Graduation Project (1)	ES 400-1	SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 11 - SDG 14
135	Engineering	Graduation Project (2) - Construction Management	ES 400-2	SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 11 - SDG 14
136	Engineering	Repair and Maintenance of Buildings	ES 403_E	SDG 9 – SDG 15
137	Engineering	Quality Control of Construction Material	ES 406	SDG 9 – SDG 15
138	Engineering	Advanced Topics in Materials	ES 311	SDG 9 - SDG 11
139	Engineering	Introduction to Electronic Circuits	EE 213	SDG 3 – SDG 7 – SDG 9 – SDG 11 – SDG 12 - SDG 13
140	Engineering	Micro-Electronic Devices and Circuits	EE 224	SDG 3 – SDG 7 – SDG 9 – SDG 11 – SDG 12
141	Engineering	Analog Integrated Circuits	EE 228	SDG 9 – SDG 11
142	Engineering	Digital Communications (1)	EE 255	SDG 9 – SDG 13
143	Engineering	Microprocessor Based System Design	EE 304	SDG 9 – SDG 11
144	Engineering	Communication Systems	EE 350	SDG 9 – SDG 11
145	Engineering	Mobile Communication Systems	EE 354	SDG 3 – SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
146	Engineering	Antenna Theory and Design	EE 364	SDG 9 - SDG 11
147	Engineering	Introduction to Computer Networks	EE 325	SDG 3 - SDG 9
148	Engineering	Digital Integrated Circuits	EE 338	SDG 3, SDG 7, SDG 9, SDG 11, SDG 12
149	Engineering	Engineering Perspectives and Technology	HU 121!!	SDG 3 - SDG 4 - SDG 7 - SDG 8 - SDG 9 - SDG 12 - SDG 17
150	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
151	Engineering	Industrial Safety	HU 151!!	SDG 3 - SDG 8 - SDG 9 - SDG 17
152	Engineering	Eng.Drawing 2 & Descriptive Geometry	EB142	SDG 4 - SDG 7 - SDG 9
153	Engineering	Numerically Controlled Machines	EM327	SDG 9 - SDG 12
154	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
155	Financial and Administrative Sciences	Strategic Management 2 BT 850	BT850	SDG 9
156	Arts and Design	Drawing 2	D212	SDG 9



No	Faculty in Pharos University	Course name	Course code	SDG of relevance
157	Arts and Design	Permenant & mobile exhibition	AD311	SDG 9 - SDG 12
158	Arts and Design	Building Construction (2)	D362	SDG 3 - SDG 9
159	Arts and Design	Mosaic Art	AD313	SDG 12 - SDG 9
160	Arts and Design	Project	GD582	SDG 4 - SDG 6 - SDG 8 - SDG 9 - SDG 10 - SDG 16
161	Tourism and Hotels Management	Tourism and Hotel Economics	THM 241	SDG 12 - SDG 1 - SDG 9
162	Applied Health Sciences Technology	Analytical chemistry	HLAC 202	SDG 9

Publications that Address Industry, Innovation and Infrastructure (25 publications)

<https://www.pua.edu.eg/wp-content/uploads/2025/11/PublicationsSDG9.pdf>