

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



The Hashemite University

Physics Department

Strategic Plan

٢٠٢١-٢٠١٧

The numbers of the faculty, support staff, and academic ranks for the year 2019/2020

No.	Academic rank	2019/2020
1	Professor	7
2	Associate professor	7
3	Assistance professor	5
4	instructor	٠
5	Instructor assistant	4
6	lecturer	0
7	Lab supervisor	١
8	Lab technician	٢
	total	26

A committee was formed in the department to develop the strategic plan for the department from the following members:

1. Prof. Mohammad Alsugaier
2. Dr. Sharhabeel Alyounes
3. Dr. Moath Shatnawi

This strategy has been developed to achieve the following objectives of the department:

1. Improving students' scientific and practical level
2. Improving scientific research
3. Developing the academic performance of faculty members
4. Strengthen social interactions with local community
5. Attaining the certificate of quality assurance for the college
6. Attaining international accreditation

The diversity of specializations of the faculty members and the diversity of their scientific schools

Research equipment

Teaching laboratories

Postgraduate program

Provides

A

SWOT Analysis (Strengths, Weaknesses, Opportunities, Threats)

Strengths

Serial	Strengths	Impact Score	Certainty Score	Priority
١	The presence of a highly qualified teaching staff	٥	٥	١
٢	Adopting a distinguished study plan of international level	٥	٥	٢

٣	The variety of specializations of the faculty members who earned their degrees from various international academic schools.	٥	٤	٣
٤	Research laboratory instrumentations	٤	٤	٤
٥	Teaching Laboratories	٤	٤	٥
٦	Graduate studies	٤	٣	٦
٧	Use of modern educational aids	٤	٤	٧
٨	team work spirit	٥	٥	٨
٩	The presence of distinguished library	٥	٥	٩

Weaknesses

Serial	Weaknesses	Impact Score	Certainty Score	Priority
١	Teaching laboratory instrumentations	٤	٣	١
٢	Research laboratory instrumentations	٤	٣	٢
٣	Faculty members academic loads	٤	٣	٣
٤	Ratio of students to faculty members	٤	٤	٤

Opportunities

Serial	Opportunities	Impact Score	Certainty score	Priority
١	The existence of support for scientific research from inside and outside the university	٥	٤	١
٢	The presence of a local industry cooperating with the department	٤	٢	٢
٣	The presence of research devices in the university centers and abroad	٤	٤	٣
٤	Providing a number of training courses for faculty members	٣	٣	٤
٥	Distinguished relations with the university administration	٣	٣	٥

Threats

Serial	Threats	Impact Score	Certainty score	Priority
١	The type of students admitted to the department	٤	٣	١
٢	Classroom design	٥	٥	٢
٣	Poor performance of support services	٥	٤	٣
٤	The large number of graduates from similar departments in public and private universities	٥	٤	٤
٥	Instructions, procedures and promotion	٥	٣	٥
٦	The shortage of databases related to the department's specialties	٣	٣	٦
٧	Lack of financial support for scientific research from the private sector	٤	٤	٧

Goals, Objectives & Strategies

Strategic Goal 1: To raise students' scientific and practical level

Strategic Goal 1/1: Develop advanced study plans

Strategic 1/1/1: Reviewing and developing study plans periodically and updating the study materials in line with the scientific development and the needs of the labor market

Strategic 1/1/2: Providing the latest scientific references

Strategic 1/1/3: Increase the number of materials offered electronically

Strategic Goal 1/2: increase the number of faculty members

Strategic 1/2/1: recruiting distinguished faculty members

Strategic 1/2/2: Dispatching distinguished students to obtain a PhD in the required disciplines

Strategic Goal 1/3: enhance the student's personality and gaining the necessary skills to be able to interact with society

Strategic 1/3/1: Strengthen social values, the spirit of democracy, acceptance of others, and instill a spirit of belonging among students

Strategic 1/3/2: Improving students' communication skills

Strategic Goal 1/4: Upgrading the instrumentations of teaching labs

Strategic 1/4/1: increasing the financial allocations of teaching labs instrumentations

Strategic 1/4/2: updating the kind of experiments based on new technology

Strategic Goal 2: To improve the level and quality of scientific research

Strategic Goal 2/1: improving research labs

Strategic 2/1/1: Obtaining scientific research support from local, regional and international institutions to obtain advanced scientific equipment

Strategic 2/1/2: Maintenance and calibration of scientific equipment periodically

Strategic 2/1/3: Increase the number of research laboratories and raise the efficiency of the currently available

Strategic Goal 2/2: Developing the research capacity of faculty members

Strategic 2/2/1: Increasing opportunities to attend international conferences and workshops

Strategic 2/2/2: Communicating with distinguished researchers with the aim of cooperating in scientific research

Strategic 2/2/3: Reducing the teaching load of faculty members to focus on scientific research

Strategic 2/2/4: Hosting scientific conferences and workshops

Strategic 2/2/5: Subscribe to databases and scientific periodicals

Strategic 2/2/6: Create new postgraduate programs

Strategic Goal 3: Developing the academic performance of faculty members

Strategic Goal 3/1: Modernizing classrooms

Strategic 3/1/1: providing the available classrooms with the latest educational equipment

Strategic 3/1/2: Increase the number classrooms in the department

Strategic 3/1/3: providing air conditioning to classrooms and offices of the department's employees

Strategic Goal 3/2: developing educational skills

Strategic 3/2/1: Attending training courses on the use of electronic learning aids

Strategic 3/2/2: Attending training courses for the latest educational methods in scientific research

Strategic Goal 4: Increase communication with the Jordanian community

Strategic Goal 4/1: Providing services to different sectors of society

Strategic 4/1/1: increasing partnership agreements with private sector institutions to jointly take advantage of the capabilities available to both sides

Strategic 4/1/2: Increasing the number of consultations, studies and courses offered to the sectors of society

Strategic Goal 4/2: Introduce the community sectors to the importance of the physics department's specializations

Strategic 4/2/1: Conducting periodic meetings with the institutions of various sectors through joint conferences and seminars

Strategic 4/2/2: Carrying out visits to private sector enterprises

Strategic 4/2/3: Participate in conducting joint scientific research with private sector institutions

Strategic Goal 5: attaining the certificate of quality assurance for the college

Strategic Goal 5/1: Adjusting the ratio of faculty members to students

Strategic 5/1/1: Appointing faculty members

Strategic 5/1/2: Dispatching distinguished students to obtain a doctoral degree

Strategic Goal 5/2: Appropriateness of study plans and scientific references

Strategic 5/2/1: Update study plans according to international standards

Strategic 5/2/2: Providing scientific references and periodicals according to international standards

Strategic Goal 6: Obtaining international accreditation

Strategic Goal 6/1: Identification of an international institution for accreditation

Strategic 6/1/1: comparing between the international institutions concerned with accreditation and choosing one of them

Strategic 6/1/2: Conduct a self-evaluation according to the institution's accreditation criteria

Strategic Goal 6/2: Apply for international accreditation

Strategic 6/2/1: Addressing weaknesses to meet accreditation requirements

Strategic 6/2/2: Preparing all data and files necessary for approval