

# Executive plan for scientific research for the Department of Physics

The academic year 1444-1443 AH / 2023-2022 AD

إعداد:

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**Introduction:** Scientific research in educational institutions is one of the three most important functions undertaken by institutions and their academic programs. At the present time, research activity and production in universities are two of the most important indicators that can be relied upon in classifying universities and academic programs and granting them accreditation by national and international accreditation bodies. In this sense, it is important for academic programs to prepare integrated plans for scientific research that serve as a guide for all its activities and operations and a tool through which material and human resources can be invested to support and develop research production.

### The executive plan for scientific research consists of the following:

- Alignment of the department's research orientations with the college and university orientations

Item	The university	The college	Section	Compatibility points
Vision	Excellence in education, scientific research, and dissemination of knowledge in the service of the homeland, Islam, and humanity	Achieving excellence in education, scientific research, and community service in accordance with national and international standards.	Providing distinguished academic programs in physics and its applications that qualify graduates and develop their skills to meet the requirements of the labor market and contribute to the localization and development of technology, in addition to keeping pace with scientific progress,	-Excellence in scientific research -Developing the infrastructure
The message	Providing distinguished academic programs and qualitative research production, through a stimulating environment, governed administrative systems, advanced technology, sustainable resources, and effective partnerships, to achieve competitive outputs that meet the needs of the labor market and contribute to building the knowledge economy and serving the local and global community	Providing distinguished academic programs accredited in basic sciences and their applications to qualify national cadres that meet the requirements of development and plans to localize technology and contribute effectively to the development of scientific research and community service	Providing high-quality academic courses and programs and offering research projects of a global scientific level. The department also looks forward to providing its scientific services to the community, which contributes to supporting development and progress in the Kingdom.	- Providing distinguished academic programs. - High quality research. - Effective research partnerships at the local and international levels.

- **Objectives:**

1. Strengthening the research infrastructure and providing a stimulating environment for research.
2. Increasing the number and quality of published research.
3. Encouragement to apply for research projects and partnerships.
4. Focusing on research priorities that serve development in the Kingdom.

Execution timeframe	target performance level	Performance indicators	Execution responsibility	Programs / initiatives / operational activities	The aim
Until the end of the academic year 1443-1444 AH	<ul style="list-style-type: none"> <li>- Equipping two research laboratories.</li> <li>- Reducing 20% of the teaching load.</li> <li>- Annual conference for each faculty member..</li> </ul>	<ul style="list-style-type: none"> <li>- Number of research laboratories.</li> <li>- Number of conferences and seminars.</li> <li>- The teaching load of a faculty member.</li> </ul>	Head of Department	<ul style="list-style-type: none"> <li>-Strengthening research facilities and equipment.</li> <li>-Supporting the attendance of scientific conferences and seminars.</li> <li>- Reducing the teaching load of a faculty member.</li> </ul>	Enhancing the research infrastructure and providing a stimulating environment for research.
	<ul style="list-style-type: none"> <li>-35 -requests.</li> <li>- 4-groups</li> <li>-6 -projects.</li> <li>- At least 5 researches.</li> </ul>	<ul style="list-style-type: none"> <li>- Number of applications submitted to obtain publication incentives.</li> <li>- The number of supported research groups.</li> <li>- Number of supported internal research projects.</li> <li>- Number of research papers published with postgraduate students</li> </ul>	Head of Department	<ul style="list-style-type: none"> <li>- Global Publication Incentives Program.</li> <li>- Research group programme.</li> <li>- Internal research projects program.</li> <li>- Postgraduate student project support program.</li> </ul>	Increasing the number and quality of published research.
	<ul style="list-style-type: none"> <li>-5 international companies.</li> <li>-- 4 Projects.</li> </ul>	<ul style="list-style-type: none"> <li>- Number of international companies.</li> <li>- Number of projects supported by third parties.</li> </ul>	Head of Department	<ul style="list-style-type: none"> <li>- Global Partnership Program.</li> <li>- Institutional finance programme.</li> <li>- Research group programme.</li> <li>- Encouraging support from external parties.</li> <li>- Internal research projects program.</li> <li>- Postgraduate student project support program.</li> </ul>	Encouraging applications for research projects and partnerships.
	<ul style="list-style-type: none"> <li>- 6 Projects</li> </ul>	Number of supported research projects that serve the Kingdom's development priorities.	Head of Department	<ul style="list-style-type: none"> <li>- Research projects programme.</li> <li>- Institutional finance programme.</li> </ul>	Focusing on research priorities that serve development in the Kingdom.

