



College of science  
Physics department

# PHYSICS DEPARTMENT GUIDEBOOK



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# 1 Overview



# Overview

The Department of Physics was established in 1396 H as one of the Departments of the College of Education, King Saud University branch in Abha. The first graduates graduated in 1400–1401 H. When King Khalid University was established in the academic year 1419–1420 H the Department of Physics became a part of the Faculty of Science at King Khalid University departments. Many students have graduated from the Department since its inception and joined various government or private jobs.

Anticipating the important role of physics in life and society the Department of Physics was established in 1396 H to teach and qualify students to play their role in society in the field of teaching, engineering, industry, or other areas of life. The Department students are studying at the university level which will last four years. Students study 130 credit hours and receive a Bachelor of Science. There is an increasing need for physics graduates to enroll in various National Industrial companies and educational institutes such as the Royal Commission of Jubail and Yanbu. Moreover, there are great opportunities for students to continue their higher studies either in the department or through internal or external scholarships. Students can also apply to university to continue their study for a master's degree in the department where the department offers a master's degree in physics where students study specialized courses and conduct a thesis.

# 2 | Vision – Mission - Objectives



# Vision - Mission - Objectives



## Vision

Excellence in science and its applications to contribute to community development and resource sustainability



## Mission

Scientifically and in research distinguished-academic environment that enhances the development of community through the optimal investment of capabilities and resources



## Objectives

- 1- To develop and create qualitative programs in biological sciences to meet the labor market and sustainable development requirements.
- 2- To employ scientific research to promote innovation and the knowledge economy.
- 3- To motivate community service and volunteerism.
- 4- To develop the quality of the department academic environment.
- 5- To diversify and develop funding sources and their sustainability.



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# 3 | Department head's word



# Department head's word



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The importance of thinking, extrapolating reality, interpreting natural cosmic phenomena, interpreting theories of physical sciences, and linking them to practical applications in various aspects of human life are among the necessities of building a promising future of high quality and towards the sustainability of resources and community service.

In my name, the Head of the Physics Department and all the department's employees, including male and female faculty members, administrative staff, and students, we welcome you, visitors, to the official Physics Department website at the College of Science at King Khalid University in Al-Fara'a. You are most welcome.

On the new website, you will find all the information and news about the Physics Department, including the vision, mission, goals, and study plans for all programs offered, whether paid or unpaid, as well as laboratory and research capabilities, facilities, and various activities provided by the department in terms of scientific research and community service.

The Department of Physics offers a Bachelor of Science program in Physics in its general level, as well as a track. For postgraduate programs, there is a Master of Science program in Physics, as well as a Master of Science program in Medical Physics (fees paid), as well as a Doctorate of Philosophy program in Physics in various specializations and research directions for members of the theoretical department. And experimental (condensed matter physics - quantum optics and laser physics - nuclear physics - atomic and plasma physics).



# Department head's word



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The Department of Physics is distinguished by its rich history in the educational and research aspect due to its human capabilities in various scientific ranks (it includes more than 60 professors, associate professors, assistant professors, lecturers, and teaching assistants), in addition to the endless support from our wise leadership and follow-up from King Khalid University, represented by the Vice Deanship of Public Affairs. Education and Development and the Agency for Scientific Research and Postgraduate Studies provide the latest modern educational technologies, advanced research devices and equipment, and financial support for most of the department's scientific research projects and theses. All of this flows into the mission and vision of the Department of Physics that is consistent with the policy of the College of Science to achieve the strategy of King Khalid University and the strategy for developing the Asir region, which is within the goals of the Kingdom's Vision 2030.

Our motto for all of us in the Physics Department is excellence, creativity, and continuous development in the educational, research, and training aspects through applying the highest levels of approved quality standards for all of the department's academic and professional programs to improve learning outcomes and contribute to providing the labor market with physicist graduates who are scientifically and research-qualified and competitive locally and globally with their excellence in community service and raising the banner of Motherland.

*All best wishes for success and a bright future*

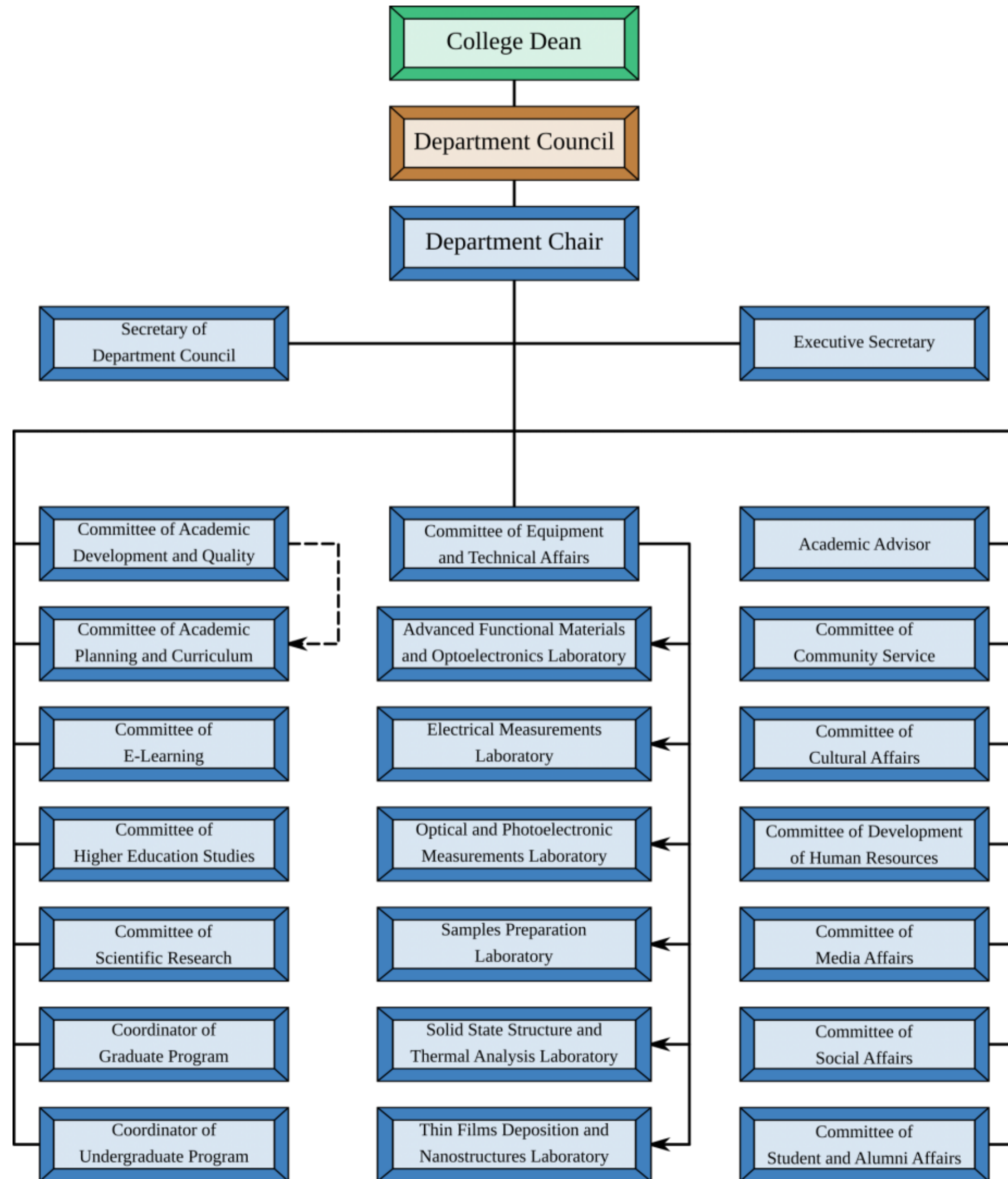


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# 4 Organization chart



Organization chart





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# 5 Programs



# Bachelor of Science in Physics

Programs

**Graduation requirements**

**Admission requirements**

**Program Informations**



**Study Plan**



**Program specification**



# Master of Science in Physics

**Graduation requirements**

**Admission requirements**

**Program Informations**



**Study Plan**



**Program specification**



# Master of Science in Medical Physics

Programs

**Graduation requirements**

**Admission requirements**

**Program Informations**



**Study Plan**



**Program specification**



# Doctor of Philosophy in Physics

Programs

**Graduation requirements**

**Admission requirements**

**Program Informations**



**Study Plan**



**Program specification**





# 6 | Department committees



# Department committees

Scan or Click for reports

Development and  
Quality Committee



Educational Services  
Committee



Academic Advising and  
Student Affairs  
Committee



The Committee for  
Postgraduate  
Studies and  
Scientific Research



Study Schedules and  
Exams Committee



# 7 Faculty members



# Faculty members

**10**  
**Professor**

**15**  
**Associate  
Professor**

**21**  
**Assistant  
Professor**

**18**  
**Lecturer**

Scan or Click to  
join faculty  
members list





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# 8 Labs



# Labs

14

**Teaching  
laboratories**

**Boys**

8

**Teaching  
laboratories**

**Girls**

14

**Research  
laboratories**

Scan or Click  
to join



# 9 | Contact with the department





## Contact with the department

### Male Section:

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