



# PHYSICS DEPARTMENT GUIDEBOOK



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# 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.





# 1 | 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

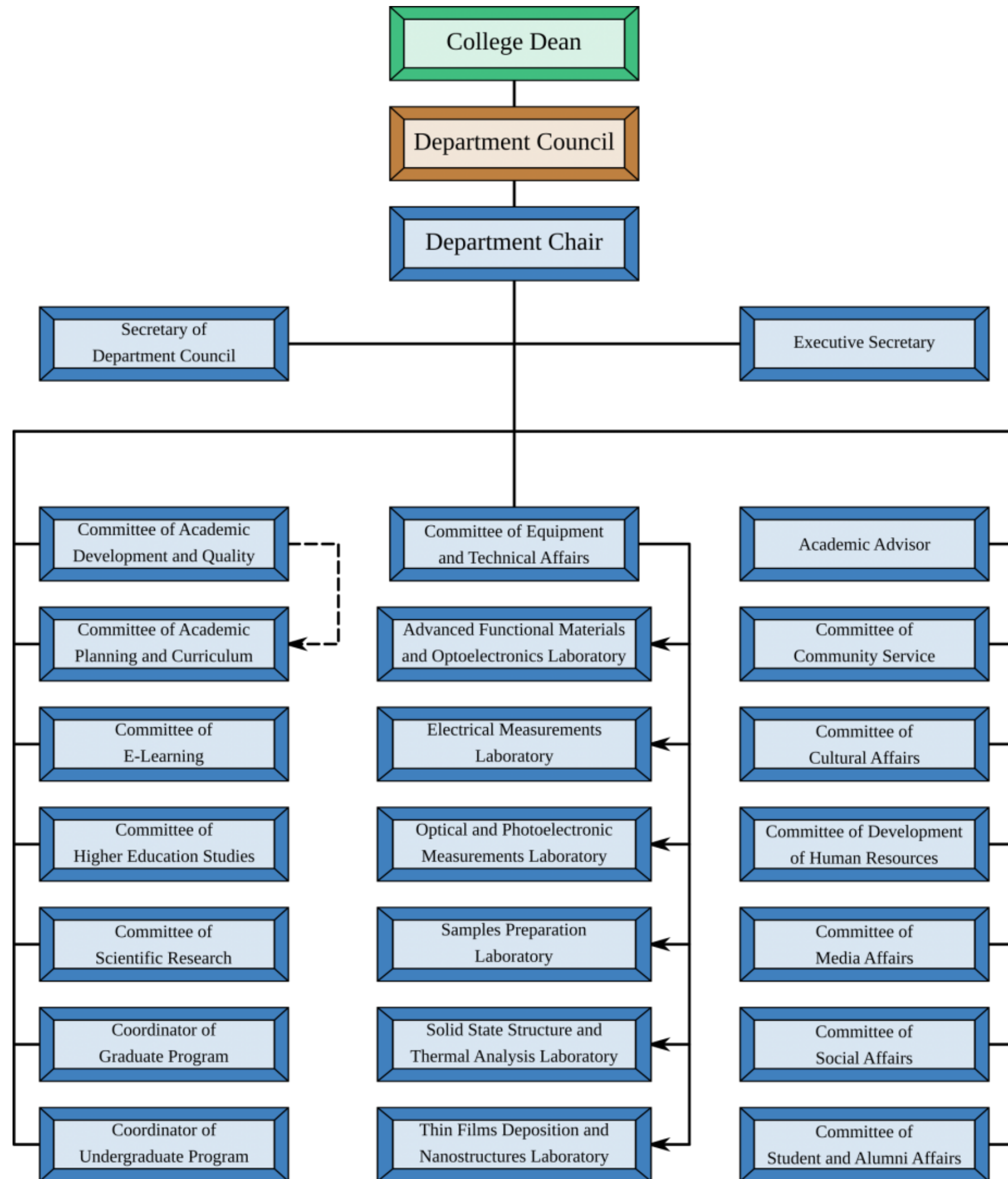
- 1- To develop and create qualitative programs in biological sciences to meet the labor market and sustainable development requirements.
- 2- To employ scientific research to promote innovation and the knowledge economy.
- 3- To motivate community service and volunteerism.
- 4- To develop the quality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

# 2 | Organization chart





Organization chart







# 3 | The system of study



## Studies at the college of science are organized according as follows:

### The system of study

The academic year consists of two major semesters and one summer semester - if applicable.

The academic level is the name indicating the academic stage, and the number of levels for graduation is at least eight levels according to the approved study plan.

The duration of the academic level is a full semester (not less than 15 weeks), and this period does not include the registration periods and the final exams.

The summer semester is of no less than eight weeks, during which the time allocated for teaching each course is doubled.

The student must study 126 study units (credit hours) to obtain a bachelor's degree



# 4 | The studying system

## *E. Register*

The new academic system E. Register gives the student the following advantages:

The studying system  
E. Register

**Create an e-mail through the Deanship of E-Learning website.**

**Electronic registration (registration, deletion and addition): The student can register himself from anywhere during the registration, deletion and addition period specified the university**

**Viewing the studying schedule and the available and closed sections**

**Viewing the student's course schedule and print it.**

**Viewing the academic record and print a copy. Viewing the academic record and print a copy.**

**Viewing the final exam results.**



**Viewing the study plan, passed courses, and remaining courses.**

**Seeing the penalties recorded on the student.**

**Submitting the suggestions and the complaints.**

**Evaluating the academic performance of faculty members.**



# 5 | The Rules and mechanisms for registering courses



The new academic system E. Register gives the student the following advantages:

**A course is a subject that follows a specific level within the approved study plan in each specialty (program).**

**The course is divided into a set of theoretical lectures and practical lessons (study unit) that are given weekly during the academic level.**

**The study unit is the weekly theoretical lecture of no less than fifty minutes, or the practical lesson of no less than one hundred minutes.**

**The academic levels vary in the number of its units of study from (12-20) units of study for each level.**

**Courses are registered automatically at the beginning of the next semester, in order to make it easier for students.**

**Addition and deletion are carried out during the first week of the semester electronically or through the university's academic system portal.**



The student is not entitled to register for a course without success in the prerequisite of this course.

Students who fail to study are registered in courses to ensure that they have a minimum academic load each semester.

The following table shows the student's academic load in proportion to his cumulative GPA

<b>Cumulative GPA</b>	<b>2</b>	<b>2.5</b>	<b>3</b>	<b>3.5</b>	<b>4</b>	<b>4.5</b>	<b>5</b>
<b>Hours allowed to be registered</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>





College of science  
Physics department

# 6 Calculating the semester GPA



The semester GPA is calculated by knowing the following points:

Calculating the semester  
GPA

1

Knowing the number of hours of the courses.

2

Knowing the grade obtained in each course

3

Knowing the estimate corresponding to the grade.

4

Knowing the value of the estimation.

5

Knowing the points = the number of hours of the course x the value of the estimate

6

Determining the total points obtained in all semester courses.

7

Determine the total number of hours registered in the semester.

The semester GPA is calculated according to the following equation:

$$\text{The semester GPA} = \frac{\text{Total points (item 6)}}{\text{Number of hours of registration in the dsemester (item 7)}}$$

The following table shows the percentage scores, the estimate, and the estimation value that the student obtains in each course, and the table is used to calculate the points:

Degree	Appreciation Symbol	Appreciation value
95-100	A <sup>+</sup>	5
90-94	A	4.75
85-89	B <sup>+</sup>	4.5
80-84	B	4
75-79	C <sup>+</sup>	3.5
70-74	C	3
65-69	D <sup>+</sup>	2.5
60-64	D	2
1-59	F	1
Absence from lectures of 25% or more	H	1



# 7 | Calculating the GPA



The GPA is calculated by knowing the following points:

Calculating the GPA

1

Total points (for all semesters studied).

2

Total credit hours (for all semesters studied).

The GPA is calculated according to the following equation:

$$\text{The semester GPA} = \frac{\text{Total points (item 6)}}{\text{Number of hours of registration in the dsemester (item 7)}}$$

# 8 Deletion and addition of a course



## Deletion and addition of a course

1

The process of adding and dropping studying courses is done through the online portal, provided that the number of registered credit hours is not less than 12 hours.

2

A student may drop one course at least five weeks before the start of the final exams, by providing an acceptable excuse to the Dean of the College, with a maximum of four courses during his study period at the college.

# 9

## Attendance, postponement, and dropping out



# Attendance, postponement, and dropping out

**1**

The regular student must achieve an attendance rate of not less than 75% of the lectures and practical lessons.

**2**

If the student achieves a percentage of absence of 25% or more in any course, he is denied entry to the final exam for this course and he is considered to have failed it.

**3**

A student may apply for a study postponement before the start of the semester for an excuse accepted by the College Board, provided that the period of postponement does not exceed two consecutive academic semesters, or three intermittent academic semesters, as a maximum throughout the period of his studies at the college.

**4**

The University Council may, in case of necessity, exclude the previous item.

**5**

If a student stop studying for a period of the semester without requesting a postponement, his registration will be closed from the university, and the University Council may terminate the student's registration if he stops studying for a lesser period

**6**

A student is not considered absent from studies in the classes if he studies as a visiting student at another university.





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# 10 | Visiting student



The visiting student is the one who studies some courses at another university, or in a branch of the university to which he belongs without transferring him, and the courses he studied are equivalent to him in accordance with the following controls:



# Visiting Student

1

The student must have an academic record (cumulative GPA) for at least two semesters in the college in which he joined before applying to study as a visiting student.

2

A prior approval must be obtained from the student's college to allow him to study as a visiting student with specifying the courses that he will study, and the college may require obtaining a specific grade to equal the course. The student is directed to study by an official letter from the Deanship of Admission and Registration Affairs.

3

The study must be in an accredited college or university.

4

That the course the student is studying outside the university is equivalent or equivalent in his vocabulary, and his academic units are not less than one of the courses included in the graduation requirements.

5

The maximum number of units of study that can be calculated from outside the university is (20%) twenty percent of the total units of graduation from King Khalid University.

6

The averages of the courses that are equivalent to the visiting student are not calculated from his GPA, and the courses are recorded in his academic record

7

The student must provide the Deanship of Admission and Registration Affairs with his results obtained within two weeks of starting the study in the first semester following the period of his studies as a visitor, and if he does not submit his results, he will be considered cut off from that semester.



# 11 | Dismissal from the university



## A student is dismissed from the university in the following cases:

**1**

If he gets three warnings in a row at most because his cumulative GPA falls below the minimum (2).

**2**

The student may be given a fourth opportunity by the University Council upon the recommendation of the College Board for those who can raise his GPA by studying the available courses.

**3**

The University Council may give students who have been dismissed due to warnings an opportunity that does not exceed two semesters at most.

**4**

The student is given exceptional opportunities by the University Council to complete the graduation requirements by extension for a period not exceeding a maximum period equal to twice the original period specified for graduation.

**5**

The University Council may give students who have been dismissed due to exhaustion of the exceptional opportunity period, which is the duration of the program, an opportunity that does not exceed two semesters at most.





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# 12 Tests and estimations





**A student is dismissed from the university in the following cases:**

**1**

Based on the proposal of the Department Council, the College Board determines a grade for the semester work, ranging from 40% to 60% of the final grade of the course.

**2**

The course's semester work score is calculated by one of the following two methods: (A) Oral or practical exams, research, or reports, or from all of them, or from some of them, and at least one written test. (B) At least two written tests.

**3**

The department council that teaches the course, based on the recommendation of the course teacher, may allow the student to complete the requirements of any course in the next semester, and the student is given an incomplete grade (L) in his academic record, and only the grade obtained by the student is counted in the semester or cumulative GPA. After completing the requirements for that course.

**4**

If one semester has passed and an incomplete estimate (L) has not changed in the student's record for not completing it, it is replaced by a fail estimate (F), and it is calculated within the semester and cumulative GPA.

# 13

## Laws and rules of the final exam



**1**

**A student may not be tested in more than two courses in one day.**

**2**

**The student is not allowed to enter the final exam after half an hour has elapsed from its beginning, and he is not allowed to leave the exam before half an hour has passed since its beginning.**

**3**

**Based on the recommendation of the relevant department council, the college council determines the duration of the final written examination, provided that it is not less than one hour, and not more than three hours.**

**4**

**Cheating in the exam, attempting it, or violating the instructions and rules for conducting the test, are matters punishable by the student according to the student disciplinary regulations issued by the University Council.**



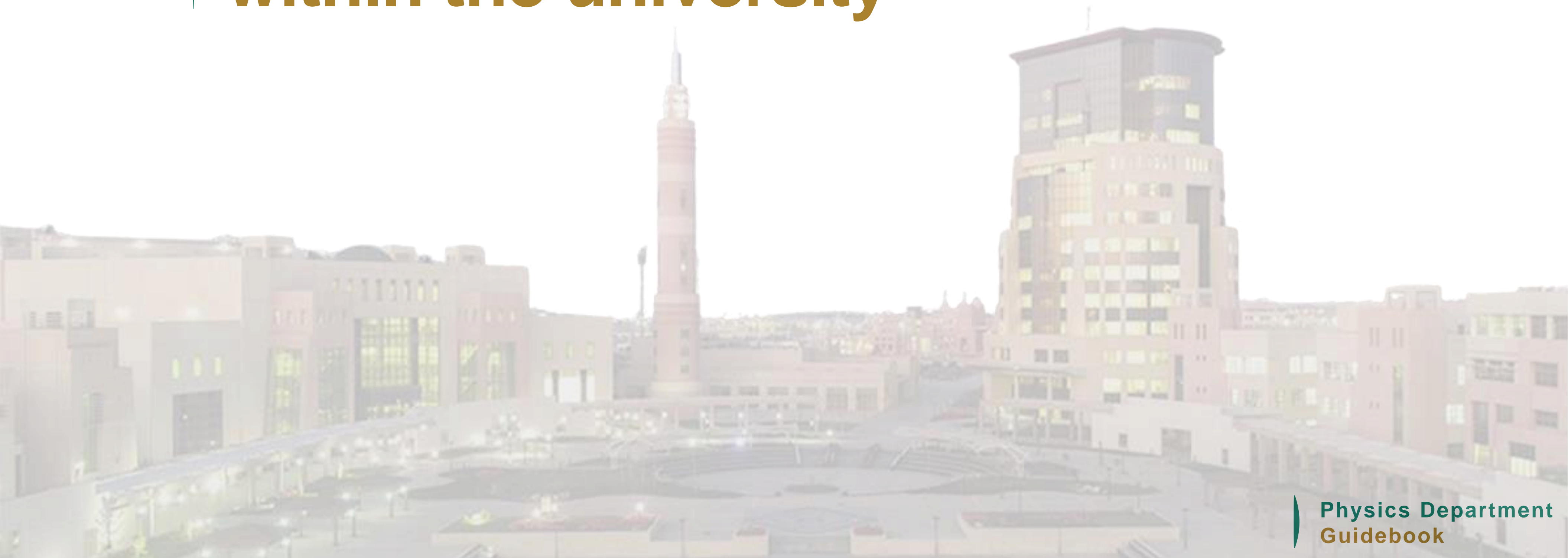
# 5

**The council of the faculty that teaches the course in cases of necessity may approve the re-marking of the answer sheets within a period not exceeding the beginning of the second semester according to the following rules:**

- a) A student may apply for re-marking the answer sheets of one course only in the semester.**
- b) The student submits an application for re-marking the answer sheets to the department that teaches the course, provided that the submission of the application does not exceed one month from the end of the final exam period for the semester in which the student wishes to review the answer sheets of one of his courses.**
- c) The student should not have previously submitted a request to re-mark the answer sheets of one of the tests, and his request was proven to be invalid.**

14

# Transferring between colleges and programs within the university





## First: Transferring from one college to another within the university

1

With the approval of the deans of the two colleges concerned, it is permissible to transfer from one college to another in accordance with the conditions approved by the college council to which the student wishes to transfer.

2

All subjects that have previously been studied shall be recorded in the academic record of the student transferred from one college to another, including grades, semester and cumulative GPA throughout his studies at the college from which he is transferred

## Second: Transferring from one major to another within the college

3

A student may, after the approval of the Dean of the College, transfer from one major to another within the college according to regulations set by the College Board.

4

All subjects previously studied, including grades, semester and cumulative GPA, are confirmed in the academic record of the student transferring from one major to another throughout his studies at the university.





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# 15 | Graduation



# Graduation

The student graduates after successfully completing the graduation requirements according to the study plan, provided that his cumulative GPA is not less than 2 (acceptable grade).