

University of Mosul

College of Pharmacy

The Lighthouse of **Pharmaceutical**  
**Education** in Ninevah

# Student Guide

2026 – 2025





COLLEGE OF PHARMACY

## **Dean Speech**

Students today and pharmacists of tomorrow, be proud of your faculty and profession, uphold your ethical and professional oath wherever you are, strive for excellence and success, and remember that our doors will always be open to you. We will not hesitate to provide everything that serves the interest of the student, and we will do our utmost to collaborate hand in hand to achieve our mission.

**Prof. Dr. Yasser Fakhri Mustafa**

**The Dean**



## **Historical overview**

The College of Pharmacy was established in 1992 and was the second pharmacy college in Iraq after the College of Pharmacy at the University of Baghdad, due to the community's need for competent pharmacists who contribute positively to improving and raising the level of medical and health services in Iraq. The college's journey began with a small multidisciplinary staff that served as the core for the advanced staff, which has now reached specialists in all fields of pharmaceutical education and in all precise pharmaceutical disciplines.


## **Background**

In order to raise awareness and knowledge about university life among newly admitted students in the Faculty of Pharmacy, the college family believes it is essential to provide students who are on the verge of acceptance in undergraduate studies from secondary school graduates with information that enables them to appropriately get to know and the ability to choose and clarity in decision-making.

## **Geographical location**

The Faculty of Pharmacy is part of the medical group of colleges at the University of Mosul, surrounded to the south by the Faculty of Veterinary Medicine, to the west by the Faculty of Nursing, to the north by the College of Nineveh Medicine, and to the east by

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the Faculty of Dentistry, situated on a prominent elevation in a beautiful setting. This location provides it with a distinguished and clear place for visitors from both inside and outside the university.

### **Admission to college**

The Faculty of Pharmacy accepts students through the central admission channel of the Ministry of Higher Education and Scientific Research, according to the conditions mentioned in the student guide provided by the ministry for the morning study program. The admission site can be reviewed at the link.

[www.dirasat-gate.org](http://www.dirasat-gate.org)

### **Admission Channels**

1. Central admission .
2. Incoming students.
3. Transfer from outside the country.
4. Top students in medical institutes.

### **Conditions for central admission and its regulations in Iraqi universities:**

General conditions for admission to the College of Pharmacy:

A student graduating from secondary education and from the scientific branch, and exclusively from schools for the gifted, in addition to the conditions for admission to Iraqi universities, must meet the following requirements:

1. Iraqi nationality.
2. Holding an Iraqi secondary education certificate certified by the directorate general of education in the governorate or an equivalent certificate.
3. From the 1998 season onwards.
4. Successful in the medical examination according to the specific conditions of each study .
5. Fully dedicated to studying, combining work and study at the same time is not allowed in morning colleges and institutes; this includes all employees of government institutions, and it is required for their continued study to obtain a study permit from their departments, starting from the applicable instructions. It is not allowed to combine two studies, and if it is proven otherwise, the ministry will be contacted to cancel their acceptance .
6. From graduates of the current academic year .
7. Students of the 2022/2023 academic year are entitled to apply through the electronic portal of the Studies, Planning and Follow-up Department and through their specific electronic form; electronic applications will be approved after obtaining a temporary equivalent certificate from the Ministry of Education, Directorate of Equivalence and Certificates. As for graduates of the previous year, applications for acceptance will be submitted



through the Central Admissions Department, Department of Foreign Students.

8. Non-Iraqi students holding an Iraqi preparatory certificate and accepted centrally will be informed in writing by the Central Admissions Department / International Students Section of their exemption or their obligation to pay tuition fees in foreign currency according to the regulations outlined in Chapter Seven of the Student Affairs Procedures and Admissions Regulations.

**Regulations for presenting the families of martyrs covered by Law No. (57) of 2015 and Law No. (2) of 2016 and its amendment Law No. (2) of 2020:**

1. The categories covered by these regulations include:
    - a. Families of martyrs who were victims of crimes committed by the dissolved Ba'ath party.
    - b. Families of the martyrs of the Popular Mobilization.
    - c. Victims of military operations, military errors, terrorist operations, and the injured covered by Law No. (57) of 2015.
  2. Applications and acceptance for the mentioned categories in paragraph (1) above shall be at a rate of (10%) of the admission plan for each category, and competition for places within each category shall be separate.
- 2- Students compete for admission to:



a- Medical group colleges (medicine, dentistry, pharmacy) with an average difference of (5) degrees or less from the minimum admission threshold for these colleges within the central admission for the academic year (2022/2023), provided that the student's average is no less than (90%) without additions.


b- Other specialisations with an average difference of (7) degrees or less from the minimum average accepted in the college or institute within the central admission for the academic year (2022/2023).

4- The student must, when completing the electronic application, review the Martyrs' Foundation to complete the approval procedures for the application; otherwise, admission will be under the general channel (central admission).

5- A student accepted for study under the Martyrs' channels may only proceed after presenting a confirmation letter from the directorates of the Martyrs' Foundation / Scientific Care Sections, which serves as the final confirmation of acceptance and is kept in the student's file.

6- Admission for students from the families of martyrs is based on the categories mentioned in paragraph (1) above for the colleges that rely on direct admission.

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## **Student registration for the academic year 2022 – 2023**

**Required documents for registration: The accepted student at the College of Pharmacy must provide the following documents:**


- The original certificate of the preparatory study endorsed by the Directorate General of Education in the governorate or original copies of other documents according to the acceptance channel, duly certified by the relevant authorities, by the latest deadline of 13/4/2023, and submit a written commitment to the registration department in the college; otherwise, their acceptance will be cancelled.
- A guarantee endorsement in accordance with a model provided by the Legal Affairs Department at the university, which must include a clause holding the student responsible for the preservation of state property and not tampering with it; otherwise, they will bear the penalties for any resulting damages.
- A coloured copy of the nationality certificate and Iraqi civil status identity or unified national card .
- Six recent photographs.

- The medical examination form is in accordance with Health Fitness System No. 5 of 1992 and the specific conditions and terms related to it, taking into consideration the following:
  - o The student will not be registered if the mentioned form is not submitted under any circumstances.
  - o The original form must be submitted, and a copy will not be accepted .
  - o The result of the medical examination is observed from the body to which the student is nominated directly, and if deemed unfit for the study they are nominated for, the Central Admissions Department must be notified to amend their nomination based on their health fitness .
- The student has the right to appeal the result of the examination at the Committees/ Appeals Committee in the Ministry of Health through the body they are nominated for.

### **Distribution of curriculum textbooks:**

The Faculty of Pharmacy annually develops its curricula to meet the advancements in the field of pharmacy. The faculty is keen on providing modern books and scientific resources that this development requires, making them accessible to students and in line with the available capabilities of the faculty. These books are classified into two groups; one is prepared for the college library

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to enhance its references and scientific books, in addition to what this library already contains of modern scientific references. The second group, which includes a large number of curriculum books, is distributed to students, and the college is committed to providing sufficient quantities and subjects that cover all grade levels and all of their scientific materials, making them available to students.


### **Student Identity**

In the early days of their studies and after starting at the college, every student is provided with an identity card for use within the campus, and this identity is valid for two academic years, after which it is replaced with a second identity, and so on, until the student graduates from the college, at which point this identity is withdrawn.

### **Support letter**

It is an official document provided to the student in case they need it, issued by the college and addressed to the official body specified by the student, confirming their status as a student in the college and their ongoing studies, stating the grade to which the student is enrolled. The student is provided with the required support letter through the assistant dean for academic affairs.

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## **Dormitories**


The university aims to secure alternative accommodation for students from provinces and areas far from the city of Mosul by housing them in dormitories that provide suitable living conditions and create a conducive environment for study and ensure their safety.

The dormitories are furnished with everything necessary to assist students in fulfilling their responsibilities in these circumstances and are overseen by specialists in the humanities. The university currently has dormitories managed by the Directorate of Dormitories with its administrative, functional, and service staff, which include:

1. Al-Farouq Complex - near Dar Ibn Al-Atheer for printing and publishing.
2. Al-Quds Complex - Bab Al-Tob.
3. Al-Zahra Complex - behind the university presidency.
4. Al-Qadisiyah Complex - opposite the university presidency.

Students from outside the city of Mosul can register in the dormitories through this directorate after providing a support letter from the registration department in their colleges addressed to the Directorate of Dormitories, stating the student's name and academic stage, along with their academic status to determine

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housing for the student in one of the dormitories according to the capacity of each section. The Directorate of Dormitories also issues guidelines for the registration of dormitory students regarding exemptions or the collection of specific amounts as determined by the directorate.


### **The transfer between colleges**

The regulations for transferring between colleges in Iraqi universities vary from academic year to another according to developments dictated centrally by the ministry, considering the interests of the student and allowing the greatest number of students the opportunity to enroll in colleges and institutes closer to their place of residence. This aims to reduce the burdens and difficulties faced by students, providing them with a better chance to focus on their studies and academic achievements, and to enhance their academic level. Therefore, the ministry establishes rules and mechanisms to organise the transfers, outlined in classified paragraphs according to the cases of the students covered by the transfer.

### **Re-enrolment**

This is a privilege granted to first-year students in colleges and institutes throughout the country who are unable to continue studying in their current specialisation, meaning those who have

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deferred their studies for the academic year or failed in the first year, exclusively for the purpose of re-enrolling in another course in their place of residence or nearby. This process is directly supervised by the Department of Studies and Planning / Central Admission in the ministry, where colleges and institutes submit re-enrolment modification forms for review to determine a new specialization for the student according to their wishes and based on their competitive scores.

## **Attendance**

The educational system applied in universities and institutes in Iraq does not rely on distance learning at all; rather, it requires students accepted into college or institute to commit to studying with daily attendance and achieving an attendance rate of no less than 90% of the designated study hours, which includes all theoretical, practical, and applied subjects. The academic year is divided into two semesters, each lasting 15 weeks (whether the study is semester-based or annual), with a series of daily and monthly exams that determine the student's annual progress, culminating each semester with final exams. The college administration monitors the student's presence and continuity; if a student's absences in any subject exceed 10% of the annual hours, the student is considered to have failed due to absences in

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that subject. If the student's absences are officially documented with valid excuses, they are justified up to 15% of the annual hours, after which the student is considered to have failed in that subject. Student absences are calculated by the college registrar in coordination with the subject teacher.

The aim of setting these ratios is to ensure that the student achieves the greatest possible presence in the classroom and receives knowledge, minimising the waste of time and effort so that the student can absorb enough information directly from their teachers; otherwise, the student is considered unqualified to progress to the next grade.

### **Postponement of the academic year**

If a student is unable to continue attending classes for any reason, and to prevent being considered failing due to absence and in the interest of their benefit, the laws permit them to postpone their studies to the following year. The ministry has granted powers to universities, colleges, and institutes to postpone the academic year for a student after they submit a request to the councils of those colleges explaining the reasons that led them to make this request, supported by all the documents and evidences that substantiate their claim. The

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college council has the right to accept these reasons and postpone the studies or to reject them.

## **Summer Training**


Due to the importance of the practical aspect in pharmacy and bringing students into contact with practical life in various workplaces related to their field, summer training has been implemented for third and fourth year students, during which the student joins real workplaces in various state institutions and departments related to their specialisation to experience the conditions of practical reality and the obstacles and problems that come with it, and to link it to their academic studies. Summer training is mandatory for all students.

### **Summer training for the third stage**

The training lasts for 30 days during the summer holiday in private pharmacies and government health centers in areas where there are no private pharmacies.

Summer training for the fourth stage: The training lasts for 6 weeks during the summer holiday in private pharmacies, where a committee is formed by pharmacists from the college to coordinate with the Pharmaceutical Syndicate to assist students in identifying suitable pharmacies for training purposes and to monitor their attendance during the training. The student's

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performance is evaluated using a special form sent directly to the college for the purpose of assessing the student's work in private pharmacy.


### **Visiting the college library and university library**

Students can borrow from the central university library and the college library for supportive books they may need during their studies. This is done by consulting the college librarian, bringing along a student ID and a coloured photo for the issuance of a special borrowing ID valid for one year and renewed annually. Students are entitled to borrow two books for one week, which can be renewed for a second week by filling out a special borrowing form. Additionally, the library has a climate-controlled reading room where students can browse through books and journals as they wish.

### **Extracurricular activities**

Students can engage in sports activities at the college where there is an indoor hall for table tennis and other games. The sports unit annually organises competitions and leagues between departments and colleges in football, volleyball, and other sports activities. The college dean also organizes recreational and scientific trips for all students and faculty.

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The role of the College of Pharmacy is not limited to producing a scientifically and practically competent pharmacist but extends to developing their impactful personality for future integration into society wherever they may be. This requires the college to monitor the student throughout their studies, addressing any social challenges they may face and providing guidance and advice. Hence, the college is keen to assign educational counselors from its faculty to students at every academic level, which is communicated to the students at the beginning of the academic year.

### **The teaching system at the college:**

The Faculty of Pharmacy adopts a semester system with each semester lasting 15 weeks, including two main examinations: a mid-semester exam and a final exam.

There are also surprise daily quizzes throughout the semester.

### **Instructions for exam participation:**

1. Students must confirm the date and time of the exam and ensure attendance at least 15 minutes before the specified time.
  2. Students are not permitted to enter the exam hall without presenting their student ID.
  3. Students will not be allowed to enter the exam hall after more than a quarter of the allocated time for the exam has passed.
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4. Participants in the exam are not allowed to leave the exam hall until more than half-time elapsed.
5. Students are not allowed to bring any books, papers, notes or summaries related to the exam subject (except for subjects that require it; in this case, they will be subject to inspection and approval by the exam supervisor), or any other tool for storing information including dictionaries, electronic translators, or programmed calculators into the exam hall.
6. The entry of mobile phones into the exam hall is strictly prohibited, and bringing a phone inside is considered an attempt to cheat, with the same penalties applying as detailed in article 20 below.
7. Students must bring their own writing and drawing materials needed during the exam, and sharing of tools among students will not be permitted.
8. Students taking the exam are not allowed to speak to each other.
9. The student taking the exam is not allowed to look at the papers and materials of others.
10. The student taking the exam is not allowed to engage in any disruptive behaviour during the exam or to cause a disturbance, and if they do so, they will be removed from the examination hall.

11. Any student caught attempting or committing cheating will be disallowed from continuing the exam, removed from the hall immediately, and referred to an investigative committee, which will consider their status as failing; they will be deemed to have failed in that subject.

**Key points from the current examination instructions (Instructions No. 134 of 2000 and its amendments).**

**Rule (6):**

The minimum passing grade is 50% fifty out of one hundred for each subject.

**Rule (8):**

First: A student who fails half of the subjects (rounding up in the case of an odd number of subjects in favour of the students) or less in the first round of exams is allowed to take the second round of exams in the subjects they failed.

Second: If a student is considered to have failed in either the first or second round, they must repeat the year "attending and taking exams" in all subjects they failed as well as those in which they received a passing grade.

Third: A student who fails in dropped subjects is exempted and required to take the new subjects in their grade when the

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curricula are changed, provided that this does not lead to their promotion to a higher grade or graduation unless the subject is not required, taking into account what is stated in the second clause of this article.

Fourth: If a student passes all subjects in their current grade but fails in some subjects carried over from a lower grade, they are promoted to the higher grade while remaining responsible for the subjects they failed, and they must pass these in the following year even if they pass the higher grade subjects.

### **Rule (9):**

A student is considered to have failed in any subject if their absences exceed (10%) ten percent of the scheduled hours for that subject without a valid excuse, or (15%) fifteen percent with a valid excuse approved by the college or institute council.

### **Rule (10):**

A student is allowed to participate in the second round of exams if they did not attend the first round of exams with a valid excuse approved by the college or institute council, provided this is supported by official documents in one of the following cases:

First: Sudden illness.

Second: The death of a first-degree relative.

Third: Hit-and-run accidents.

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Fourth: Sudden timing.

### **Rule (11):**

Practical or applied courses that do not have a final examination are exempt from taking the second round exam, as determined by the college council at the beginning of the year and announced to the students.

### **Rule (12):**

The second round exam cannot be postponed under any circumstances.

### **Rule (13):**


Ten marks will be deducted from the final grade of the subject in which the student passes in the second round when calculating the average, except for a pass grade of acceptable, which will be graded at 50% in that subject.

### **Rule (15):**

Firstly: A student's average is calculated based on the grades they obtained in each subject, taking into account the number of units for each subject. Secondly: A unit is considered as one theoretical hour of effort per week for a duration of fifteen (15) weeks.

Thirdly: Every two practical hours in the college are equivalent to one theoretical hour, and every three practical hours are equivalent to one and a half theoretical hours.

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## Rule (16):

Firstly: The graduation ranking for a student is calculated according to the following:

- First year 5%.

Second year 10%.

Third year 15%.

Fourth year 30%.

Fifth year 40%.

Secondly: The graduation average is calculated by multiplying the student's average in each year by the percentage indicated, and the total for the academic years is the student's graduation average.

## Rule (17):

Firstly: The results are announced with the following grades to determine the student's level among the successful in terms of scores:

Levels	Parallel Scores
Excellent	90-100
Very Good	80-89
Good	70-79
Average	60-69
Accepted	50-59
Fail	≤49

### **Rule (19):**

The relationship between the student and the college or institute shall end in either of the following cases:

First: If the student fails twice consecutively in their grade.

Second: If the student exceeds one and a half times the prescribed duration for their specialisation, including years of failure, and years of deferment and non-failure are not counted in this regard. This applies to students accepted from 2004/2005 onwards. (The third amendment issued under instructions No. 157 for the year 2004).


### **Rule (20):**

If a student is found to have cheated or attempted to cheat in any of the daily, weekly, monthly, or final examinations, they shall be considered to have failed all subjects for that year. If this occurs repeatedly, they shall be expelled from the college or institute and their registration shall be cancelled from its records.

### **Rule (21):**

First: A student may postpone their studies for one year for legitimate reasons accepted by the college council, provided that a request for postponement is submitted at least thirty days before the start of the final exam.

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Second: The university president, based on the recommendation of the college council, may postpone a student's studies for a second year for legitimate reasons accepted by him, provided that the postponement request is submitted at least thirty days before the start of the final exam.

Third: A student's studies may not be postponed in colleges or institutes that follow the semester system in the second semester unless it is for a reason beyond their control or they have passed in the first semester, in which case the postponement is considered for the entire academic year.

## **Disciplinary instructions for students in the institutions of the Ministry of Higher Education and Scientific Research No. (160) for the year 2007**


### **Rule (1):**

The student must adhere to the following:

First - Compliance with laws, internal regulations, instructions, and orders issued by the Ministry of Higher Education and Scientific Research and its institutions (university, authority, college, institute).

Second - Not to touch upon religious beliefs, national unity, or national sentiments with malice or to intentionally incite sectarian, ethnic, or religious strife in word or deed.

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Third - Not to harm the reputation of the ministry or its institutions by word or deed, inside or outside.

Fourth - To avoid anything that contradicts university conduct, with high discipline and respect for administration, faculty, staff, and collegial relationships and cooperation among students.

Fifth - Disciplined and correct conduct that will positively affect him during appointment and nomination for scholarships and study grants.

Sixth - To refrain from any action that would disrupt order, tranquillity, and peace within the campus (college or institute) or to participate in, incite, or conceal those responsible for it.

Seventh - To maintain educational supplies and the property of the university, authority, college, or institute.


Eighth – Ensuring the smooth conduct of study at the college or institute.

Ninth – Adhering to the prescribed uniform for students while respecting the uniqueness of each university or institution.

Tenth – Avoiding calls for organizations that would deepen division or engage in any form of political, religious, or social persecution.

Eleventh – Avoiding the promotion of any political party, organization, ethnic group, nationality, or sect, whether through

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the display of images, banners, and posters or the organization of seminars.

Twelfth – Not inviting party figures to give lectures or hold party or religious promotional seminars within the university campus to preserve national unity.

### **Rule (2):**

A student shall be punished with a warning if they commit any of the following violations:

First - Failure to adhere to the prescribed uniform in the university or institution.

Second - Disrespecting the collegial relationships among students or offending another student verbally.

### **Rule (3):**

A student shall be punished with a notice if they commit any of the following violations: First - An act that warrants punishment by warning, having previously been punished with a warning.

Second - Disturbing the order, peace, and tranquility in the university or institution or college or institute.

### **Rule (4):**

A student shall be expelled for a period of thirty (30) days if they commit any of the following violations:

First - An act that warrants punishment by notice, having previously been punished with a notice.

Second - Offending a member of the university community, excluding faculty members.

Third - Defaming a faculty member in a manner that is detrimental to them inside or outside the college or institute.

Fourth - Posting any notices within the university campus that disrupt public order and morals.

### **Rule (5):**

A student shall be punished with temporary suspension from the university for a period not exceeding one academic year if he/she commits any of the following offences:

First - if he/she repeatedly commits any of the actions stipulated in Article (4) of these regulations.

Second - if he/she practices or incites sectarian or ethnic groupings or political or partisan gatherings within the university campus.

Third - if he/she physically assaults any member of the university who is not a faculty member.

Fourth - if he/she uses violence against fellow students.

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Fifth - if he/she threatens to commit armed violent acts. Sixthly - if he/she carries any type of weapon, with or without a permit, on university premises.

Seventh - if he/she intentionally or grossly recklessly causes damage to the university's, agencies, college's, or institute's property.

Eighth - if he/she insults national unity or religious beliefs. Ninthly - if he/she verbally insults faculty members inside or outside the college or institute.

Tenth - if he/she damages the reputation of the university or agency by word or deed.

Eleventh - if he/she intentionally disrupts the proper conduct of studies.

Twelfth - if he/she is found to have committed fraud against fellow students or members of the college or institute.

### **Rule (6):**

A student shall be punished with final expulsion from the college or institute by a decision from the university or authority if they commit any of the following offences:

First - Repeatedly committing any of the offences stipulated in rule (5) of these regulations.

Second - Assaulting a member of the teaching staff or lecturers at the university, authority, college, or institute.

Third - Committing an act that is improper and contrary to morals and public decency.


Fourth - Submitting any forged documents, letters, or certificates while being aware of their forgery or being an instigator of the forgery.

Fifth - Being found guilty of an act that jeopardises security and peace within the university campus or participating in or assisting such an act.

Sixth - Upon conviction of a felony or misdemeanour that undermines honour, with a sentence exceeding one year.

6- The uniform clothes: The uniform was introduced to ensure that university students appear appropriately and modestly, aligning with the required standards for female students and suitable for male students, while also harmonising with the university environment. In recognition of students' circumstances, there has been an expansion in options, particularly regarding colours. The colours permitted include grey for trousers or skirts and white for shirts, while navy blue is allowed for jackets. The blouse can match the jacket or be the same colour as the trousers or skirt. Female students are also permitted to wear a gown in

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colours that correspond with the uniform (grey / black / navy).  
The uniform has been in effect since the first day of the academic year.

## The unified curricula for pharmacy colleges in Iraq.

### Year 1-Semester 1.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
111	Analytical Chemistry	3	2	4	Phpch23_111--
112	Computer Sciences	----	2	1	Phcls23_112--
113	Human biology	2	2	3	Phcls23_113--
114	Mathematics and Biostatistics	3	----	3	Phcls23_114--
115	Medical Terminology	1	----	1	Phpht23_115--
116	Principles of Pharmacy Practice	2	----	2	Phind23_116--
117	Democracy & Human Rights	2	----	2	Phcls23_117--

### Year 1-Semester 2.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
128	Human Anatomy	1	2	2	Phcls23_128--
129	Human Histology	2	2	3	Phcls23_129--
1210	Medical Physics	2	2	3	Phcls23_1210--
1211	Organic Chemistry I	3	2	4	Phpch23_1211-
1212	Pharmaceutical Calculation	2	2	3	Phind23_1212--
1213	Computer Sciences	----	2	1	Phcls23_1213--
1214	English Language	2	----	2	Phcls23_1214--

## Year 2-Semester 1.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>211</b>	Baath's Party Crimes	2	----	2	Phcls23_211--
<b>212</b>	Medical Microbiology I	3	2	4	Phcls23_212--
<b>213</b>	Organic Chemistry II	3	2	4	Phpch23_213--
<b>214</b>	Physical Pharmacy I	3	2	4	Phind23_214--
<b>215</b>	Physiology I	3	2	4	Phpht23_215--
<b>216</b>	Computer Sciences	----	2	1	Phcls23_216--
<b>217</b>	Democracy	1	----	1	Phcls23_217--

## Year 2-Semester 2.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
228	Medical Microbiology II	3	2	4	Phcls23_228--
229	Organic Chemistry III	2	2	3	Phpch23_229-
2210	Pharmacognosy I	3	2	4	Phcog23_2210--
2211	Physical Pharmacy II	3	2	4	Phind23_2211--
2212	Physiology II	3	2	4	Phpht23_2212--
2213	Computer Sciences	----	2	1	Phcls23_2213--



## Year 3-Semester 1.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
311	Biochemistry I	3	2	4	Phcls23_311--
312	Inorganic Pharmaceutical Chemistry	2	2	3	Phpch23_312--
313	Pathophysiology	3	2	4	Phcls23_313--
314	Pharmaceutical Technology I	3	2	4	Phind23_314--
315	Pharmacognosy II	2	2	3	Phcog23_315--

## Year 3-Semester 2.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>326</b>	Biochemistry II	3	2	4	Phcls23_326--
<b>327</b>	Pharmacy Ethics	1	----	1	Phclp23_327--
<b>328</b>	Organic Pharm. Chemistry I	3	2	4	Phpch23_328--
<b>329</b>	Pharm. Technology II	3	2	4	Phind23_329--
<b>3210</b>	Pharmacognosy III	2	2	3	Phcog23_3210--
<b>3211</b>	Pharmacology I	3	----	3	Phpht23_3211--

## Year 4-Semester 1.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>411</b>	Biopharmaceutics	2	2	3	Phind23_411--
<b>412</b>	Clinical Pharmacy I	2	2	3	Phclp23_412--
<b>413</b>	Organic Pharm.Chemistry II	3	2	4	Phpch23_413--
<b>414</b>	Pharmacology II	3	2	4	Phpht23_414--
<b>415</b>	Public Health	2	----	2	Phcls23_415--
<b>416</b>	English Language	2	----	2	Phcls23_416--

## Year 4-Semester 2.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>427</b>	Communication Skills	2	----	2	Phclp23_427--
<b>428</b>	Clinical Pharmacy II	2	2	3	Phclp23_428--
<b>429</b>	General Toxicology	2	2	3	Phpht23_429--
<b>4210</b>	Industrial Pharmacy I	3	2	4	Phind23_4210--
<b>4211</b>	Organic Pharm. Chemistry III	3	2	4	Phpch23_4211--
<b>4212</b>	Pharmacology III	2	----	2	Phpht23_4212--

## Year 5-Semester 1.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>511</b>	Applied Therapeutics- I	3	----	3	Phclp23_511--
<b>512</b>	Clinical Chemistry	3	2	4	Phcls23_512--
<b>513</b>	Hospital Training	----	4	2	Phclp23_513--
<b>514</b>	Clinical Toxicology	2	2	3	Phpht23_514--
<b>515</b>	Industrial Pharmacy- II	3	2	4	Phind23_515--
<b>516</b>	Org. Pharm. Chem. IV	2	----	2	Phpch23_516--
<b>517</b>	Graduation project	1	----	1	-----

## Year 5-Semester 2.

Course number	Course title	Hours/week		Units	Code
		Theory	Practical		
<b>528</b>	Advanced Pharmaceutical Analysis	3	2	4	Phpch23_528--
<b>529</b>	Applied Therapeutics- II	2	----	2	Phclp23_529--
<b>5210</b>	Dosage Form Design	2	----	2	Phind23_5210--
<b>5211</b>	Clinical Laboratory Training	----	4	2	Phcls23_5211--
<b>5212</b>	Pharmacoeconomic	2	----	2	Phclp23_5212--
<b>5213</b>	Therapeutic Drug Monitoring	2	2	3	Phclp23_5213--
<b>5214</b>	Pharmaceutical Biotechnology	1	----	1	Phind23_5214--

## Student Guideline Committee

### Student Handbook Guide Preparation Committee:

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