
Doctor of Pharmacy Program Handbook

Bachelor's degree
(NQF level: 6)

Faculty of Pharmacy

Northern Border University (NBU)

Rafha

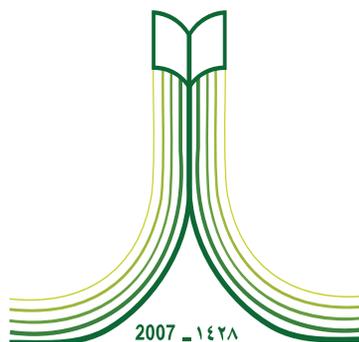
1444 H/2023



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

جامعة الحدود الشمالية
NORTHERN BORDER UNIVERSITY

كلية الصيدلة



Pharm D Program Handbook



1444 H/2023

Contents

Topic	Page No.
Dean's speech	6
The Faculty of Pharmacy	7
The organizational structure of the Faculty of Pharmacy	8
Faculty Council	9
Deanship of the Faculty	10
College of Pharmacy: Advisory Board	11
Vice Deanships and related units	12
Vice Deanship	12
A) Study Systems and Plans Committee	15
B) Quality and Academic Accreditation Unit	15
C) Alumni Unit	16
Vice Deanship for Academic Affairs	17
a) Student Affairs Unit	17
Student advisory council	17
b) Student Excuses Committee	20
c) Examination Committee	20
d) Extracurricular activity	21
Student activity unit	21
Continuing medical education and community service unit	22
e) Academic Advising Unit	22
f) Student Conduct and Discipline Committee	24
Vice Deanship for Clinical Affairs and Training	25
Vice Deanship for the Female Section	27
Scientific departments in the college	27
Department of Pharmaceutics	28
Department of Clinical Practice	29
Department of Pharmaceutical Chemistry	33
Department of Pharmacognosy and Alternative medicine	35
Department of Pharmacology and Toxicology	36
Department of Basic Health Sciences	37
The general and specific goals of the college study plan	39
Study plan for the Doctor of Pharmacy program	41
The main skeleton of the Pharm D -Study plan	42
The library	43

The Laboratories:	43
1- Pharmaceutics Laboratory	44
2- Pharmaceutical Chemistry Lab	44
3- Pharmacology and Toxicology Laboratory	44
4- Laboratory of microbiology and pharmacognosy	44
5- Laboratory of biochemistry, anatomy, histology, and physiology	44
Research laboratories:	45
1- Natural Products and Alternative Medicine Research Laboratory	45
2- Molecular Biology Laboratory	45
Animal House	45
Cardiopulmonary resuscitation center	55
Student Admission system	56
Study system	58
The Study Bylaw	59



Speech of His Excellency the Dean of the College

In the midst of the scientific renaissance that the country is witnessing under the leadership of the Custodian of the Two Holy Mosques, may God protect him, the College of Pharmacy at the University of the Northern Borders was established to be one of the scientific edifices in the region to qualify highly trained clinical pharmacists according to the horizon of international scientific standards, seeking help from God, then with high-quality curricula and distinguished teaching staff from various countries. They choose scientific mastery, high confidence, and high skills to perform the scientific message efficiently and competently. The full and grateful support of the university's senior management, which seeks to make the College of Pharmacy a role model in clinical pharmacy education, has made the college a focus of attention and a destination for distinguished male and female students, and the successful choice of the college's location in Rafha Governorate, which is characterized by calm and pleasant atmosphere, made it An exemplary environment for science students to engage in the educational process with the greatest possible mental clarity and achievement potential.

The college is moving steadily in the field of scientific research in various pharmaceutical fields to contribute to the development of the profession of clinical pharmacy and provides research of a high degree of quality, and the college is striving hard to communicate and interact with its social and human environment and serve it through the public service centers associated with it. We, in the College of Pharmacy, give the extra-curricular educational activities directed to the student our utmost care to activate the student's basic skills, to support his positive behavior, and to guide him towards his societal responsibilities and activate them.

The College of Pharmacy, administration and members always strive to graduate pharmacists with a high degree of competence and skill. Their role is not limited to drug discovery and formulation, but rather to contributing to health care and patient care, and to contributing to raising the level of pharmaceutical and health care in the Kingdom of Saudi Arabia.

Dean of the College of Pharmacy
Dr. Nawaf bin Muhamad Al-Otaibi

The College of Pharmacy:

Based on the interest of the Ministry of Higher Education to expand university education in all regions of the Kingdom according to the royal directives in this regard, the College of Pharmacy was established in Rafha as a college of the Northern Border University colleges in the year 1429 AH - 2009 AD, and due to the need of the city and its neighboring villages and abandonment to increase educational opportunities. The college includes the following scientific departments: Department of Pharmacology and Toxicology, Department of Clinical Pharmacy, Department of Pharmaceutics, Department of Plant Chemistry and Natural Products, Department of Pharmaceutical Chemistry and Department of Basic Medical Sciences (under construction).

The study program of the college (Pharm D program) consists of 6 years, starting with the preparatory year and ending with the internship year. The graduate obtains the degree of Doctor of Pharmacy (Pharm D certificate).

The Doctor of Pharmacy program at Northern Border University aims to prepare its students to start good pharmacy practice as effective members of the quality health care team, as well as to perform other skilled roles in the future that require the pharmacist's abilities and scientific knowledge. The educational program is keen to prepare its students to fulfill their role not only as professionals but also as citizens fully informed and aware of the modern changes in the field of healthcare. The results of his planned education are evident in the innovation and dissemination of modern knowledge about the various pharmaceutical forms and preparations and their role in the distinguished health care system in the Kingdom.

The English language is the language of teaching and assessment courses. The duration of the program is six academic years distributed over 12 levels. In the first year, the student studies the courses of the preparatory year for the path of health colleges. As for the sixth year (an internship year: two semesters in addition to a summer semester), the study is divided into clinical training courses, some of which are Compulsory and optional under the direction and joint supervision of the college and a specialized medical team from all diagnostic and therapeutic specialties in teaching hospitals. As for the four intervening years, the student studies the rest of the specialized basic and pharmaceutical sciences courses; In addition to the summer pharmacy training hours in two periods for each period of 6 scheduled hours, and the graduate is granted the degree of "Doctor of Pharmacy".

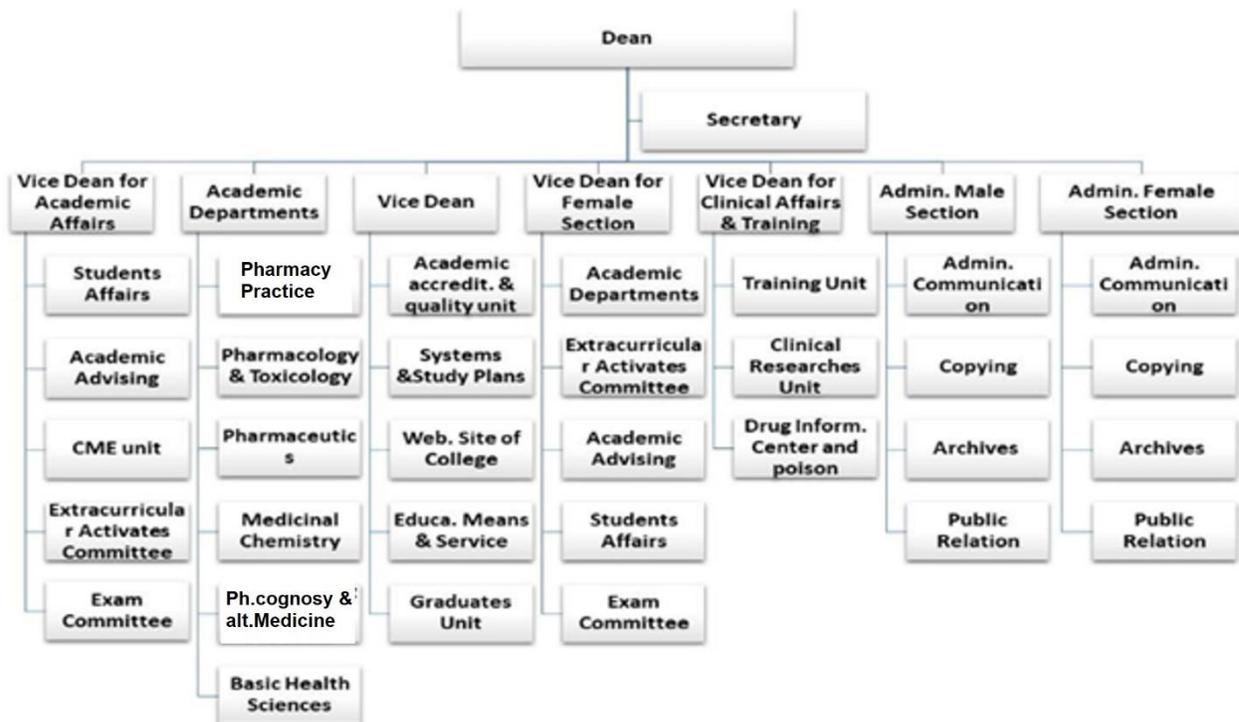
Vision

The college is to be recognized globally as a leader in the field of pharmacy practice, education and research.

Mission

Prepare qualified clinical pharmacists capable of providing outstanding direct patient care and conducting cutting edge applied research through engagement with local and national community.

The Organizational structure of the faculty of Pharmacy



مجلس الكلية - Faculty Council

Organizational link: linked to the deanship of the college, headed by the dean of the college and includes in its membership vice deans and heads of scientific departments.

The general objective: to supervise the conduct of academic, administrative and financial affairs in the college in accordance with the provisions of the university system.

Tasks and responsibilities:

- 1 - Supervising the preparation of college activity plans and following up on their implementation after approval.
- 2 - Nominating a member of the Scientific Council and a representative of the college and submitting their names to the president of the university.
- 3- Forming committees from among the members of the Council or others to study what the Council entrusts to him.
- 4- Propose the appointment, secondment, delegation and promotion of faculty members, teaching assistants and lecturers.
- 5- Proposing study plans or amending them in coordination with the scientific departments.
- 6 - Proposing curricula, textbooks and references in the departments of the college.
- 7- Proposing an organizational structure for the college.
- 8 - Proposal to merge, create or rename the departments in the college.
- 9 - Encouraging the preparation of scientific research and coordinating it between the departments of the college and working to publish it.
- 10- Encouraging community partnerships of all kinds, directing development processes, ensuring quality, institutional and program accreditation, innovation and business development.
- 11- Suggest exam dates and set regulations for conducting them.
- 12- Proposing the internal regulations of the college.
- 13 - Proposing training and scholarship plans for the college.
- 14 - Proposing the extracurricular activity plan for the college.
- 15 - Deciding on student matters that fall within his competence and directing the University Council otherwise.
- 16 - Considering matters referred to him by the university council, president or vice president for study and expressing opinion.

Deanship – عمادة الكلية

Organizational link: linked to the Vice president of NBU for Academic Affairs.

General objective:

Managing the educational, administrative and financial affairs of the college in accordance with the system, its regulations, and the rules and instructions issued by the university

Task and Responsibilities:

- 1 - Preparing plans for the activities of the College Deanship and following up on their implementation after approval.
- 2 - Administrative and technical supervision of the organizational units associated with the Deanship of the College and coordination among them to ensure integration between its activities and maximum use of the available capabilities.
- 3 - Coordinating with the Deanship of Scientific Research and the Deanship of Postgraduate Studies in all matters related to postgraduate studies and scientific research.
- 4 - Supervising the preparation of plans, projects and programs for postgraduate studies and scientific research in the college and following up on their implementation after approval.
- 5 - Supervising the academic and administrative development processes and the application of quality standards and academic accreditation in the college in coordination with the University Vice Presidency for Community Development and Partnership.
- 6 - Coordinating with the University Vice Presidency for Investment and Business Development to support its operations and provide the necessary support.
- 7 - Supervising the progress of the educational process in the college from its inception until the approval of the results and solving all problems that may arise during the implementation process.
- 8 - Supervising the process of determining the college's needs of faculty members in coordination with the scientific departments and the Deanship of Human Resources.
- 9 - Coordinating with the Deanship of Human Resources and the relevant organizational units to attract the college's needs from faculty members.
- 10 - Supervising the services provided to college students and ensuring the quality of their provision.
- 11- Approving the minutes of departments and committees.
- 12 - Participate in defining performance indicators for all activities related to the Deanship of the College, reviewing and developing them on an ongoing basis
- 13 - Determining the needs of the College Deanship of human resources, equipment and materials and following up on their provision.
- 14 - Determining the training needs of faculty members and the staff of the Deanship of the College to nominate them for appropriate training programs.

- 15 - Preparing periodic reports on the activities and achievements of the College Deanship and proposals for developing performance therein.
- 16- Any other tasks assigned to him within the limits of his competence.

المجلس الاستشاري لكلية الصيدلة – جامعة الحدود الشمالية
Advisory Board for Faculty of pharmacy – NBU

It includes a distinguished constellation of pharmacologists at the level of the Kingdom representing the Ministry of Health, pharmaceutical companies, the Saudi Food and Drug Authority, and the Ministry of Education, in addition to a distinguished group of faculty members, graduates, and students.

Organizational link: linked to the deanship of the college.

General objective:

Contributing to the development of the university environment and upgrading the programs and curricula of the college in accordance with the rules and regulations in force in the university
The university and working on developing curricula meet the requirements of the labor market

Tasks and Responsibilities:

1. Contribute to submitting proposals regarding everything that serves to explore the future of the college.
2. Providing ways to deepen the partnership between the college, the external community and the labor market
3. Contribute to the development of programs and curricula in accordance with the requirements of the labor market and development goals.
4. Submitting proposals that would provide material and moral support for the college.
5. Contribute to the development of a mechanism for coordination to establish partnership projects between the college and the sectors of society in order to find solutions to the problems of society in an integrated manner.
6. Propose methods to provide sources of funding for college development projects.
7. Enhancing the college's communication with the institutions of the public and private sectors, industry and the for-profit sector

الوكالات و الوحدات التابعة لها بكلية الصيدلة

Vice Deanships and Related Units

The college includes four agencies that are directly linked to the deanship of the college, and each of them includes a group of units and committees that work under the leadership of the vice dean and coordinate with each other in order to achieve the goals and tasks assigned to each of them, which are:

- 1- The Vice Deanship of the College
- 2- The Vice Presidency for Academic Affairs
- 3- The Vice Deanship of Clinical Affairs and Training
- 4- Vice Deanship of the College, Female Section

1- Vice Deanship - وكالة الكلية

It is related to the deanship of the college and its general objectives

Organizational Liaison: It is linked to the Deanship of the College.

General objective:

The assistant of the dean in supervising the progress of the educational process and the tasks associated with it that lead to the development and quality of the educational process in the college and the educational means and services that will improve the educational process and achieve the highest level of educational attainment among male and female students in addition to providing Community services and follow-up of alumni affairs in accordance with the rules and regulations approved by the university. The agency includes committees and units that enable it to perform the tasks entrusted to it.

Tasks and Responsibilities:

- 1 - Preparing plans for the activities of the college deanship and following up on their implementation after approval.
- 2 - Assisting the dean of the college in the administrative and technical supervision of the organizational units associated with the deanship of the college and coordinating among them to ensure integration between its activities and making the most of the available capabilities.
- 3 - Supervising the scientific departments in the college and coordinating among them to achieve integration and make the most of the available capabilities
- 4 - Supervising the application of regulations, regulations, rules and instructions related to academic affairs in the college.
- 5 - Proposing new programs in the college or developing existing programs in coordination with the scientific departments and submitting them to the competent authorities for approval and following up on their implementation after approval.
- 6 - Supervising the assignment of faculty members with materials and courses for each semester in coordination with the scientific departments in the college.
- 7 - Chairing the academic committee in the college.
- 8 - Supervising the registration of postgraduate students according to the conditions required for postgraduate studies.
- 9 - Supervising the progress of studies for postgraduate students and addressing the problems that they may encounter.
- 10 - Preparing the teaching assistants and lecturers of the college for the stage of internal and external scholarships.
- 11 - Supervise the implementation of internal and external training and scholarship plans in the college in coordination with the Scholarship Department.
- 12 - Follow up the completion of procedures for scholarship students from the college with the relevant organizational units.
- 13 - Supervising the preparation of the research plan in the college in coordination with the scientific departments and the Deanship of Scientific Research at the university and following up its implementation after its approval.
- 14 - Chairing the Graduate Studies and Scientific Research Committee in the college.
- 15 - Follow up the activity of research groups within the college, increase their effectiveness and evaluate their outputs.
- 16 - Searching for external research funding opportunities and marketing them within the college.
- 17 - Review draft contracts with researchers and submit them for approval by the competent authorities.

- 18 - Supervising the process of identifying the needs of the scientific library in terms of various information containers and following up on providing them.
- 19 - Supervising the organization of information containers and facilitating their use.
- 20 - Supervising the daily course of study during the semester in all departments of the college and addressing any problem that may arise during implementation.
- 21 - Supervising the preparation of semester and final exam schedules, following up the course of exams, correction, and issuing results.
- 22 - Participate in preparing the college's annual student activities plan in cooperation and coordination with the Deanship of Activities and Programs.
- 23 - Supervision of student activities within the college.
- 24 - Support and support for the various types of extra-curricular student activities in the college and presenting prizes to distinguished students.
- 25 - Coordinating and cooperating with the Deanship of Student and Alumni Affairs to establish and manage student clubs in the college.
- 26 - Coordinating and cooperating with the Department of Self and Professional Development to train and develop the skills of college students, such as the skills of using learning skills, the skills of using office application software Microsoft Office, and browsing the World Wide Web.
- 27 - Coordinating and cooperating with the Counseling and Guidance Department to provide specialized psychological counseling services to college students.
- 28 - Ensure the publication of the student's rights and obligations document and raise the level of commitment to it in all scientific departments of the college.
- 29 - Supervise the implementation of counseling and orientation programs and the integration of male and female students with special needs in the college, in coordination with the Special Needs Services Unit.
- 30 - Participate in defining performance indicators for all activities related to the Vice Deanship of the College, reviewing and developing them on an ongoing basis
- 31 - Participate in determining the need of the Vice Deanship of human resources, equipment and materials and follow up on their provision.
- 32 - Determining the training needs of the faculty's deanship staff to nominate them for the appropriate training programs.
- 33 - Preparing periodic reports on the activities of the Vice Deanship of the College, its achievements and proposals for developing its performance.
- 34- Any other tasks entrusted to him within the limits of competence.

Among the most important units affiliated to the Vice Deanship are the following:

A) Study Systems and Plans Committee:

The Study Plans and Systems Committee is concerned with following up and updating the study plan to keep pace with the continuous development in clinical pharmacology. The committee consists of the chair of the committee, the vice dean for academic affairs, heads of departments, and the director of the quality unit in the college. The committee follows up on all developments from the university regarding the study plan, as well as evaluating and updating the current study plan in accordance with the continuous evaluation processes and the requirements of the labor market.

b) Quality and Academic Accreditation Unit:

In recent years, total quality management has been applied in all aspects of life and other human endeavors, which include education, industry, management, etc., which prompted the Northern Border University to adopt a policy of quality and academic accreditation and apply it in all its affiliated colleges and departments. Where the policy of quality and academic accreditation was based on the directives of the National Authority for Academic Accreditation and Evaluation.

The Quality and Academic Accreditation Committee was formed in the college from representatives of all departments to activate quality standards in all college activities. In order to achieve the aspirations of the college, the Quality Committee carries out the tasks assigned to it by the Quality Council. These tasks are summarized in developing teaching methods, evaluation, tests, and measuring performance indicators and linking the learning outcomes of the courses with the learning outcomes of the program, updating the curricula, encouraging students to participate in extra-curricular activities, providing community services, and developing a culture of quality.

Unit objectives:

1. Developing and activating accreditation and quality assurance policies to develop and improve patients' health care.
2. The Quality Committee carries out the tasks entrusted to it towards evaluating the educational process, reviewing teaching methods and developing them as required by the interest, and working to acquire skills in pharmaceutical and clinical research in a way that serves and fulfills the requirements of the labor market.
3. Spreading the culture of quality in the college.

The unit periodically reviews the contents of course descriptions at the beginning of each semester, reviews periodic exams and end-of-semester exams, ensures that faculty members

adhere to the descriptions, and conducts opinion polls for all affiliates and stakeholders, which reflects well on improving performance and achieving the desired efficiency.

c) Alumni Unit:

Unit Vision:

Excellence and uniqueness in providing academic and community services to college graduates, and supporting them in various fields, which reflects positively on their close association with the college and increases their awareness and belonging.

The Mission:

- Continuous improvement and development of college graduates
- Strengthening and documenting the links between the college and its graduates
- Supporting graduates and nominating them for jobs in cooperation with relevant authorities and institutions.
- Supporting social relations and communication between graduates.
- Supporting college students with the expertise of their fellow graduates working in various locations.

Objectives and tasks of the unit:

- Create an alumni database.
- Communicate with them, support and develop them.
- Coordinating with the public and private sectors to provide them with job opportunities.
- Providing special training and development programs.
- Communicate with them electronically and share with them the activities and events of the college.
- Invite them to enrichment meetings in the pharmaceutical field.

Alumni and Labor Markets:

The College grants its graduates the degree of Doctor of Pharmacist, which enables him to practice the profession of clinical pharmacist in various fields such as (universities - hospitals - partnerships and pharmaceutical factories - research centers - health care centers - drug information centers and Saudi FDA).

2- وكالة الكلية للشؤون الأكاديمية - Vice deanship for Academic Affairs

It is linked to the deanship of the college and its general objective is to assist the dean of the college in supervising the progress of the academic process, postgraduate programs and scientific research projects in the college in accordance with the rules and regulations approved by the university. It includes: Student Affairs Unit, Excuses Committee, Examinations Committee, Extracurricular Activities Committee, Academic Advising, and Student Conduct and Discipline Committee.

Among its most important units are the following:

a) Student Affairs Unit

It is concerned with all academic activities related to students and includes admission and registration units and the Student Advisory Council

1- Student Advisory Council

In order to achieve the role of the Northern Border University in developing the university education system, and in the belief of the university administration that the main pillar in this is only the active participation of students in making decisions to improve the educational, academic and service process, and its contribution to decision-making, and the mobilization of efforts to contribute to work and creativity; To support the university's mission, achieve its strategic goals, and provide qualitative characteristics for graduates, the university administration has sought to develop policies and procedures to form student advisory councils at all levels. To ensure appropriate student representation on relevant boards and committees; To enlighten them in drawing up the university's policy, developing its system, implementing its various programs and supporting its services and activities provided to students; because the student is the first nucleus of the educational process, and the first beneficiary of the process of development and upgrading.

It is an advisory body headed by the dean of the college and includes a number of representatives of male and female students (4-8); To represent their colleagues at the college level, in accordance with the rules and regulations in force at Northern Border University. A secretary and assistant secretary for the council are selected from among the students and the remaining members, in addition to a secretary from the administrative staff.

Organizational link: linked to the deanship of the college

General objective:

Contribute to the development of the university environment, improve student services, and commit to achieving ambitions in accordance with the regulations and regulations in force at the university.

Tasks and Responsibilities:

- 1 - Preparing plans for the council's activities and following up on their implementation after approval.
- 2 - Participation in building the student's integrated personality and developing it nationally, socially and culturally, guaranteeing the principles of Islamic law.
- 3 - Developing the spirit of leadership among students and giving them the opportunity to express their opinions.
- 4 - Educate students of their rights and duties in accordance with the applicable university regulations.
- 5 - Taking care of students' issues, following them up, and working to solve problems in cooperation with the college administration in accordance with the university's policies.
- 6 - Work to provide a healthy atmosphere for dialogue and respect for opinion and other opinion.
- 7 - Enhancing the spirit of cooperation and the concept of teamwork among students.
- 8 - Supporting cultural, scientific, social and sports activities and promoting them and raising their efficiency.
- 9 - Urging students to contribute real and effectively to planning and organizing everything related to their affairs and the affairs of their studies.
- 10 - Contribute with the university in developing student services in the light of actual needs.
- 11 - Strengthening the links between students and between faculty members and employees at the university.
- 12 - Benefiting from the diverse student energies in community service and participation in community activities.
- 13 - Participate in efforts to make maximum use of available university capabilities

Duties of the Student Advisory Council President:

1. Approval of the topics presented to the Student Advisory Council in order of priority, and approving the council's agenda.
2. Calling for student advisory council meetings
3. Managing the affairs of the council and managing the meeting sessions

4. The minutes of the sessions are approved at the level of the program / college / university and are submitted to the Dean of the College / Vice President for Academic Affairs / His Excellency the President of the University.

Duties of the Vice President of the Student Advisory Council:

1. He replaces the President of the Student Advisory Council in the presidency of the Council in the event of his absence.
2. Follow up on the implementation of the recommendations of the Student Advisory Council.
3. Preparing and implementing the general plan for the Student Advisory Council
4. Preparing the annual report of the Student Advisory Council at all levels (program-college-university).
5. Carry out the work assigned to him by the President of the Student Advisory Council.

Duties of the Student Advisory Council Secretary:

1. Representing the Student Advisory Council before the department/college/university.
2. Contribute to the preparation of the council's general plan in coordination with the department head/dean/university vice president for academic affairs.
3. Develop a time plan for subsequent meetings during the semester, in coordination with the members of the Council.
4. Participate in the preparation and implementation of plans for the committees of the Council.
5. Participate in the preparation of the annual report of the Student Advisory Council at all levels (program - college - university).

Duties of the Assistant Secretary of the Student Council:

1. Carrying out the duties of the Secretary of the Student Advisory Council in the event of his absence or vacancy of his position.
2. Submits a report on the student committees on an ongoing basis.
3. Follow up the members of the Student Council and see their achievements.

Duties of the Council Secretary:

1. Preparing for meetings by coordinating with the Chairman of the Board
2. Provide the council members with the topics scheduled for discussion in the session.
3. Writing down the minutes, providing the members with a copy of them, and saving the assets electronically on the councils system.
4. Preparing letters of notification of recommendations to the concerned authorities to implement them.

5. Presenting the responses to the recommendations received from the various university authorities to the President of the Student Advisory Council.

b) Student Excuses Committee:

It is the committee responsible for examining students' excuses, whether they are sick leaves or other excuses, such as cases of death of a relative, traffic and criminal accidents, security stops, or participation in activities or events.

- The committee consists of the Vice Dean for Academic Affairs, the Vice Dean for the Female Section, and the membership of at least two professors.
- The committee holds its meetings when an estimated number of excuses are received by the committee.
- The committee proceeds with its work according to the regulations governing excuses in the university, which are found in the file at the link: student_excuses_rules.pdf (nbu.edu.sa)
- The committee submits its recommendations to His Excellency the Dean of the College for approval, and then issues them to the students to present them to the faculty members to account for their excused absence.

c) Examination Committee

It is a committee linked to the Vice Deanship for Academic Affairs and its main task is the general supervision of examinations through the following processes:

- Coordination between the exams office and faculty members to print exams.
- Fixing exam regulations on hall doors for students to see.
- Distributing examination papers to the halls and handing them over to the hall supervisors.
- Seating students in examination halls.
- Announcing the start time for the exams.
- Distribute the monitoring schedule to faculty members.
- Monitor attendance of observers at specified times.
- Taking attendance of students.
- Supervising the course of the session and dealing with cases of exam violations as well as any emergency.
- Receiving papers from hall supervisors.

d) Extracurricular activity

It includes the Student Activity Unit and the Continuing Medical Education Unit

1) Student activity unit

Introduction:

The Student Activity Unit is one of the most important units in the college and one of the most vital for its various activities. The unit always seeks to constantly renew and diversify the activities to reach the desired goal.

Vision:

Building an integrated personality for the student that carries religious principles and authentic cultural and social values, capable of interaction and positive competition in society.

Mission:

Providing an attractive university environment for students through the integration between the educational process and extracurricular activities with programs and services that occupy students' free time in a useful way, develop their skills, refine their talents, and urge them to excel with communication skills, creativity and innovation to reach them with the desired goal through their positive impact on society morally, ethically and scientifically.

Objectives:

- Consolidate the principles and values of the true Islamic religion.
- Encouraging to love the country, to be proud of it and to preserve it.
- Developing individual skills in leadership, innovation and innovation.
- Develop communication skills, teamwork skills and positive participation.
- Demonstrating students' abilities to assume responsibilities and behave well in different situations.
- Contribute to solving the problems of the environment and society surrounding students and interacting with them.

Domains:

- Cultural activities
- Sports activities
- Technical activities
- Community Service

2/ Continuing medical education (CME) and community service unit

The College of Pharmacy at the university is unique in that it is accredited by the Saudi Commission for Health Specialties as a category (A) facility to provide continuing medical education courses. For health practitioners working in the health authorities and institutions in the region, the college also participates continuously in the continuing education activities that are held in the hospitals of the northern border region, whether through participation and attendance, or giving lectures and presenting workshops for attendance by the faculty members of the college.

The college is also keen on community service activities through awareness lectures that are presented in schools or public places, and part of the students volunteer in service activities.

e) Academic Advising Unit

Academic advising is one of the most important pillars on which the quality of the educational process outputs at the university level depends. The reason for this is that academic advising is concerned with the process of preparing the student academically, psychologically and socially throughout his affiliation with the university. This sponsorship is distinguished by helping the student to define his goals of joining the university to serve his tendencies and aspirations and to participate in building his society. This sponsorship also helps achieve this goal in the easiest and most effective way by helping him to adapt to the academic system and eliminate the causes that lead to his stumbling and delay in reaching his goal.

Vision:

Leadership and excellence in providing academic advising services to students at the local and regional levels.

Mission:

Providing a supportive and stimulating university environment that provides advice and assistance to students of the Faculty of Pharmacy in the scientific and personal fields to obtain the best results and adapt to university life through various academic advising programs and services.

Objectives:

- 1- Establishing a relationship of cooperation, interaction and belonging between the student, the college and the community.
- 2- Creating the appropriate conditions to achieve the steady cognitive growth of students and employees of the college.
- 3- Building positive social relationships for the student with his colleagues, faculty members, and college staff.

- 4- Building successful responses in facing the academic problems that he encounters in various situations throughout the study period at the university.
- 5- Spreading the culture of university life among new students and investing it in a way that will bring them the greatest benefit.
- 6- Introducing students to the variables that they may face during their university career and how to deal with them.
- 7- Guiding students to the optimal method for preparing study plans and organizing the timetable for that, and providing them with skills that raise academic achievement and personal development.
- 8- Educating students about the needs of the labor market and its impact on formulating its future goals.
- 9- Encouraging outstanding students to achieve more achievement, and directing them to invest their capabilities and potentials in fields that are compatible with their interests and scientific inclinations.
- 10- Follow up students with low academic achievement and help them acquire the necessary skills to increase their educational attainment.
- 11- Helping students with special needs during their university life to achieve the highest levels of psychological and social adaptation and academic achievement.
- 12- Helping foreign students by offering them a range of appropriate activities, deepening the idea of belonging to society, and highlighting the Kingdom's role in serving Muslim issues.
- 13- Spreading awareness of the academic regulations among students and acting in accordance with them during the student's university life.

Tasks of the Academic Advising Unit:

- * Spreading the culture of academic advising in the college.
- * Receiving and welcoming new students on the first day of study and explaining to them about the university and college system and the university environment.
- * Preparing the preparation of the new student for study.
- * Supervising the academic advising process in the college and organizing the process of registering schedules for students who have problems, and it serves as a link between the academic departments and the Academic Advising Unit of the Deanship of Admission and Registration.
- * General supervision of academic advisors for students and follow-up on cases raised.
- * Training the academic advising coordinators in the departments on how to benefit from the academic system in the advising service.
- * Clarify and announce academic procedures.
- * Holding periodic meetings with academic advisors to follow up and discuss related issues or what is new.
- * Receiving cases sent to him by academic advisors for students and solving their problems or submitting them to the vice dean and the dean if necessary.

- * Providing the Standing Committee for University Advising with a detailed report on the performance indicators of the academic advising process, and the difficulties that hindered the progress of work.

(All the details of academic advising are available in the Academic Advising Guide of Northern Border University, Arabic version: Academic Advising Guide.pdf ([دليل الإرشاد الأكاديمي.pdf](#) (nbu.edu.sa))

F) Student Conduct and Discipline Committee:

This committee is affiliated to the Standing Committee for Student Conduct and Discipline at the University and is responsible for examining student violations of the general regulations of the university and violations of examination regulations and everything that is interpreted as misconduct.

* The committee performs its work in accordance with the rules of behavior and student discipline at the university, which are found on the link:

[Regulations for disciplining students at NBU.pdf](#)

* The committee holds its sessions after receiving a case of violation documented by a report of fraud and misconduct.

* The student is investigated and the statement of the party presenting the subject of the violation is taken.

* Submitting a recommendation to the Dean of the College to take the necessary action.

These steps are done through the following procedures:

1. Seizing the means of the violation and keeping it for the specified period, if any.
1. Investigating the violator by the subcommittee in writing, taking the signatures of the committee and the violator, and keeping the documents in the college with the Vice Dean for Academic Affairs.
2. Recommending the imposition of the penalty if it is one of the penalties (1-5) of Article Nine.
3. Issuing a letter stating the type of penalty and the type of violation
4. Destroying the device, if necessary, and notifying the Standing Committee of that.
5. Submitting a copy of a letter stating the penalty and its type to the Disciplinary Standing Committee for information and information.
6. Take a written undertaking from the violator and his guardian and keep it in the student's file with the rest of the papers.
7. A copy of the type of punishment and its duration shall be submitted to the Deanship of Student Affairs and Deanship of Admission and Registration for implementation.

8. Informing the Standing Committee when returning or destroying the devices after the end of the sentence period from the Vice Dean for Academic Affairs
9. Hand over the device after filling out the receipt form
10. In the event that it is not possible to interrogate the violator, or if something hinders the investigation procedures, a letter will be submitted to the Standing Disciplinary Committee to take the necessary action.
11. The dean of the college or his deputy for academic affairs is the one who summons the guardian of the violating student and the pledge is taken from him.
12. Faculties shall report to the Disciplinary Standing Committee any violation whose punishment does not fall under the penalties authorized by the sub-committees.
13. Maintaining a database of disciplinary decisions issued by the college.
14. Ensure that transactions that require a decision from the Standing Disciplinary Committee are filed by the colleges in a timely manner within a maximum period of one week from the recommendation of the penalty.
15. Mentioning any previous precedents and penalties imposed on the violator in the investigation book during the investigation, in order to take them into account when making a decision.

3- وكالة الكلية للشؤون السريرية والتدريب Vice Deanship for Clinical Affairs and Training

The Vice Deanship for Clinical Affairs was established in the academic year 1438/1439 AH corresponding to 2017/2018 AD, by a decision of the Honorable Rector of the University. It is linked to the Deanship of the College. It includes the Training Unit, the Clinical Studies Unit, and the Drug Information Center.

Vision

For the College of Pharmacy at Northern Border University to be a real beacon for clinical education and training, for the college to become one of the most important scientific destinations for clinical research in the region, and for the college to play a leading role in providing modern health care to the community.

Mission:

Providing a distinguished and advanced level in the practical and clinical aspect for college students with the latest technologies to contribute to graduating distinguished generations scientifically and practically, supporting scientific research and developing a healthy culture in society.

Objectives:

- * Supporting the mission of the college and university.
- * Providing a distinguished and modern environment for training college students to qualify them with high qualifications that meet the scientific and practical aspects and provide a graduate at the highest level for the labor market.
- * Contracting agreements and partnerships with major hospitals and specialized scientific centers to train college students, and provide them with full scientific support with the college's academic expertise and advanced research laboratories.
- * Rehabilitation and preparation of college students to pass the exam for licensing to practice the profession from the Saudi Commission for Health Specialties.
- * Provide the appropriate environment, capabilities and support to conduct clinical research in cooperation with major hospitals and centers specialized in the field.

- * Providing courses, seminars and scientific conferences for college students and workers in health institutions and relevant authorities in cooperation with distinguished and advanced agencies in the field of education and training.
- * Improving and improving health care provided to citizens through clinical scientific research that contributes to raising the level of awareness and clinical health performance.
- * Providing medical services to the community in accordance with the latest recommendations in health care and treatment systems worldwide
- * Supporting and equipping medical convoys to serve the people of the country in places where health care is not available at a distinguished level.
- * Increasing scientific and cultural exchange between university faculties and other colleges worldwide.

Training office:

Associated with the Vice Deanship for Clinical Affairs and Training and its tasks are as follows:

1. Receiving training lists from the concerned departments and distributing students to training places, taking into account specialization and diversity in geographical areas and students' cases
2. Coordinating with the concerned departments to open specialized training channels inside and outside the region in accordance with the controls estimated by the scientific department.
3. Coordinating with the relevant departments to propose a clear evaluation mechanism that is compatible with the requirements of the course, based on the field experience description and what the concerned department decides, and submitting it through the competent councils for approval.
4. Coordinating with the relevant departments to design and develop field training evaluation forms after they have been approved as a system.

5. Unifying work procedures in field training in different departments, taking into account the nature of specialization.
6. Providing consultations during field training to all those in charge of it.
7. Follow up on the application of training standards and adherence to its instructions.
8. Activate the electronic follow-up and evaluation of the trainees inside and outside the region through approved e-learning tools and link them to academic supervisors in the relevant departments.

وكالة الكلية شطر الطالبات

Vice Deanship for Female Section

It is linked to the deanship of the college and its general objective is to assist the dean of the college in supervising the progress of the educational process and the tasks associated with it that lead to the development and quality of the educational process in the college, female section, as well as providing educational means and services that will improve the educational process and achieve the highest level of achievement Scientific education among female students, in addition to providing community services and following up on alumni affairs in accordance with the rules and regulations approved by the university. It works to coordinate with other agencies in the college with regard to female students' affairs, the progress of the academic process, postgraduate programs, and scientific research projects in the college in accordance with the rules and regulations approved by the university.

It is closely linked to the Student Affairs Unit, the Excuses Committee, the Examinations Committee, Extracurricular Activities Committee, Academic Advising, and the Student Conduct and Discipline Committee and Clinical Affairs Committee.

الأقسام العلمية بالكلية - Scientific Departments

The college includes six scientific departments that cooperate and integrate with each other in order to provide an effective and productive educational environment that works in a coordinated group system in order to achieve the educational goals and experiences required for a graduate of the clinical pharmacy program at the College of Pharmacy - Northern Border University, in order to achieve the requirements of Labor Markets.

1- Department of Pharmaceutics (320 1XXX) :

Pharmaceutics is one of the basic subjects in pharmaceutical sciences, and the Pharmaceutics Department seeks to develop optimal methods of drug delivery to the human body and to activate its effect. The courses of the department include a variety of courses, including pharmacology and biopharmaceutics - basics of pharmacokinetics in addition to applied pharmacokinetics - pharmaceutical biotechnology and other related courses. These courses represent an essential axis integrated with the departments of the college to grant the degree of Doctor of Pharmacy.

Vision:

The department aims to achieve excellence and modernity in the specialty of pharmaceutics and pharmacy technology in teaching and research, as well as providing services to specialists in order to improve health care for the Saudi society and raise the level of local and regional pharmaceutical industries.

Mission:

The mission of the Department of Pharmaceutics is to provide learning experiences based on best educational practices for all students as well as healthcare professionals through a balanced program of education and research, the most important of which includes the formulation and evaluation of different pharmaceutical forms and modern methods of drug delivery to the body as well as the presentation of high-quality research projects.

Objectives:

- * Qualifying and training students with the knowledge, skills, abilities, foundations and values necessary for good pharmaceutical practice.
- * Training undergraduate and postgraduate students in pharmaceutical majors and other related disciplines.
- * Converting students from recipients to independent learners.
- * Fostering the desire and need for lifelong learning.
- * Encourage the cadres in the college to conduct research.

The courses taught by the department:

3201211	Introduction to Pharmacy	مقدمة في علم الصيدلة.	3201211
3201212	Pharmaceutical Calculations	الحسابات الصيدلانية	3201212

3201213	Physical Pharmacy	الصيدلة الفيزيائية	3201213
3201221	Pharmaceutics – I (Dosage forms I)	صيدلانيات – 1 (الأشكال الصيدلانية 1)	3201221
3201322	Pharmaceutics – II (Dosage forms II)	صيدلانيات – 2 (الأشكال الصيدلانية 2)	3201322
3201423	Pharmaceutics – III (Drug Delivery System I)	صيدلانيات – 3 (نظام توصيل الدواء 1)	3201423
3201424	Pharmaceutics – IV (Drug Delivery System II)	صيدلانيات – 4 (نظام توصيل الدواء 2)	3201424
3201431	Biopharmaceutics Pharmacokinetics	صيدلة حيوية وحركية & الدواء	3201431

2- Department of Clinical Practice (320 2XXX) :

Clinical Practice (clinical pharmacy) is a branch of health sciences that assists in patient care by guiding the best use of medication, supporting health and wellness, and preventing disease. Clinical pharmacy is the crystallization of the comprehensive pharmaceutical care philosophy, in which pharmacological knowledge is fused with experience and the right decision is made in order to obtain the best results for the patient's health. Clinical pharmacy as a field bears a commitment to provide a new type of knowledge that improves health and quality of life.

The department teaches clinical pharmacy courses that aim to provide the student with important information that qualifies him to provide better services to patients, which contributes to raising the level of health care, as the clinical pharmacist plays an important and essential role within the health care team. The condition of patients on a daily basis and participate in giving recommendations, advice and instructions necessary for the treatment of patients.

Vision:

The department's vision is to make the department a pioneer in providing distinguished educational and health services in the field of clinical pharmacy at the highest levels and keep abreast of the latest developments through adherence to quality standards and continuous development. Serious and persistent work to graduate qualified clinical pharmacists who are able to participate in providing the best levels of comprehensive health care.

Mission:

Graduating clinical pharmacists with a sufficient amount of theoretical knowledge and practical practice to perform the tasks entrusted to them in their workplaces such as medical units, hospitals, etc. effectively and usefully, as the graduates find themselves applying what they learned and practiced during their studies smoothly and easily. This is achieved by team-based learning that focuses on practical applications and effective communication skills. In addition to raising the level of health care in the northern border region through constructive participation in improving the treatment services provided to patients through cooperation with health facilities and practitioners to use the medicine optimally to obtain the maximum benefit and reduce the negative effects of the medicine through choosing the appropriate medicine, the appropriate dose and the best way to administer the medicine for the patient's condition. Not only to treat diseases and epidemics, but also to prevent them.

In addition, the Department of Pharmacy Practice seeks to develop the clinical pharmacy profession in the Kingdom of Saudi Arabia and to raise the level of providing comprehensive health care in the Kingdom in accordance with the highest international quality standards.

Objectives:

- Contribute to leadership at the local and national levels, to achieve the mission and visions of the department, college, university, and profession.
- To improve the health and well-being of patients by facilitating and providing safe and effective medicines.
- Enhancing the role of pharmacists in improving public health and preventing diseases through education and training.

The courses taught by the department:

3202321	Therapeutics – I	علاجات – 1	3202321
3202422	Therapeutics – II	علاجات – 2	3202422
3202423	Therapeutics – III	علاجات – 3	3202423
3202524	Therapeutics – IV	علاجات – 4	3202524
3202525	Therapeutics –V	علاجات – 5	3202525
3202311	Pharmaceutical Care I	الرعاية الصيدلانية 1	3202311
3202412	Pharmaceutical Care II	الرعاية الصيدلانية 2	3202412
3202401	First Aids & Emergency Medicine	الاسعافات الاولية والطوارئ	3202401
3202413	Institutional pharmacy practice	ممارسة صيدلانية مؤسسية	3202413
3202531	Drug Information Services	خدمات معلومات الدواء	3202531
3202532	Clinical Pharmacokinetics	حركية الدواء السريية	3202532
3202502	Law and Ethics in Pharmacy Practice	قانون وأخلاقيات الممارسة الصيدلانية	3202502
3202533	Pharmaco-epidemiology	علم وبائيات الدواء	3202533
3202534	Pharmaco-economics	أقتصاديات الدواء	3202534

3202535	Pharmacogenomics	علم الدواء الجينومي	3202535
3202536	Self-care and Nonprescription Drugs	أدوية الرعاية الذاتية والغير وصفية	3202536
3202537	Total Parenteral Nutrition	التغذية الوريدية	3202537
3202593	Pharm D seminar	حلقة نقاش	3202593
3202545	Forensic Clinical Pharmacy	علم الصيدلة الجنائية	3202545
3202546	Nuclear Pharmacy	الصيدلة النووية	3202546
3202541	Pharmacoinformatics	النظم الدوائية المعلوماتية	3202541
3202543	Population Health Management	إدارة الصحة العامة	3202543
3202542	Public health Pharmacy and Pharmacovigilance	صيدلية الصحة العامة والتتبع الدوائي	3202542
3202694	Research Project	مشروع بحث	3202694
3202391	Introductory Pharmacy Practice Experience in community Pharmacy-1 (IPPE 1)	الخبرة الأولية في الممارسة الصيدلانية-1	3202391
3202492	Introductory Pharmacy Practice Experience in community Pharmacy-2 (IPPE-2)	الخبرة الأولية في الممارسة الصيدلانية-2	3202492
3202671	Cardiology and Coronary Care Unit (CCU).	العناية القلبية	3202671
3202672	Internal Medicine	الطب الباطني	3202672
3202673	Intensive Care Unit (ICU).	وحدة العناية المكثفة	3202673
3202674	Hospital Pharmacy (in & out patients).	صيدلة المستشفى	3202674
3202675	Emergency Medicine	طب الطوارئ	3202675

3202676	Infectious Diseases.	الأمراض المعدية	3202676
3202681	Therapeutic Drug Monitoring (TDM)	المتابعة العلاجية للدواء	3202681
3202682	Hematology / Oncology	أمراض الدم / الأورام	3202682
3202683	Surgery	الجراحة	3202683
3202684	Pediatrics	الأطفال	3202684

3- Department of Pharmaceutical Chemistry - (320 3XXX)

The Department of Pharmaceutical Chemistry is one of the pivotal departments in the college, as it is concerned with teaching various disciplines of pharmaceutical chemistry, including organic chemistry, analytical chemistry, and quality control. Which sheds light on the methods of preparing, manufacturing, innovating and improving the drug in the laboratory. This field focuses on drug design based on the use of the latest molecular modeling programs and technology transfer from theoretical design to practical application of drug formulation and pharmaceutical product testing.

Vision:

The department aspires to be a major center of knowledge of pharmaceutical chemistry and its branches and practical applications, through innovation and development in teaching and research services.

Mission:

The department's mission is to provide learning experiences based on best educational practices for all students and to give comprehensive information in the field of applied pharmaceutical chemistry that supports the design and development of new drugs and drugs as well as analytical methods for these drugs in addition to the application of this information in daily life.

The courses taught by the department:

3203221	Pharmaceutical Organic chemistry I	الكيمياء الصيدلانية العضوية	3203221
3203211	Pharmaceutical Analytical chemistry	الكيمياء الصيدلانية التحليلية	3203211
3203222	Pharmaceutical Organic chemistry II	الكيمياء الصيدلانية العضوية 2	3203222
3203331	Medicinal Chemistry – I	الكيمياء الطبية - 1	3203331
3203332	Medicinal Chemistry – II	الكيمياء الطبية - 2	3203332
3203433	Medicinal Chemistry – III	الكيمياء الطبية 3	3203433
3203441	Drug Discovery & Development	استكشاف وتطوير الدواء	3203441
3203351	Quality Control	ضبط الجودة	3203351
3203361	Bioinformatics	المعلوماتية الحيوية	3203361

4- Department of pharmacognosy and Alternative Medicine - (320 4XXX)

The activity of the Department of pharmacognosy and Alternative Medicine is based on the study of natural medicinal products extracted from their natural sources such as plants, animals and microorganisms. The department also focuses on the separation and purification of active substances from their natural sources and the study of the chemical and biological impact of these substances and their medical uses and the negative effects resulting from the wrong use of them. In addition to highlighting the role of medicinal herbs in modern drug discovery programs, so that the department keeps pace with the latest developments in the field of herbal medicine and the chemistry of natural products and their applications.

Vision:

That the department be distinguished in the study of medicinal herbs and natural products as a basic source for the modern treatment system, using the latest technologies in this field regionally and globally.

Mission:

Contribute to the preparation of clinical pharmacists to serve the Saudi community with high efficiency in formulating medicine from natural sources and with knowledge and awareness of the correct uses of natural products in the medical and research fields.

Goals and objectives

- * Contribute to spreading primary health awareness among the community and the surrounding environment with regard to medicinal plants and herbal medicine.
- * Implementing the research plan of the administration and directing it towards community service and environmental development in accordance with the college's and university' research policy
- * Promote research on the safe use of medicinal plants and products derived from them (herbal medicinal products, nutritional supplements, cosmetics)
- * Contribute to the sustainable use of biodiversity in the world by raising all aspects related to the development of products from these sources including local initiatives on the conservation of these resources.
- * Graduating a distinguished clinical pharmacist qualified to work in public and private pharmacies, pharmaceutical factories and companies, and drug control laboratories, capable of analyzing medicines containing medicinal plants.

The courses taught by the department:

3204211	Pharmacognosy	علم العقاقير	3204211
3201412	Natural Products & Alternative Medicine	النواتج الطبيعية والطب البديل	3201412
3204313	Phytotherapy	علم العقاقير الطبي	3204313

5- Department of Pharmacology and Toxicology -(320 5XXX)

It is a department concerned with teaching the theoretical and scientific foundations of the effect of drugs and chemicals on cells, tissues, and the whole body. And the study of its beneficial and harmful effects, with the aim of improving the way in which drugs are tested and giving the greatest benefit in treating the disease. other chemicals on biological systems.

Vision:

The vision of the department is for the college to be the leader in managing research and training students of the College of Pharmacy in the fields of Pharmaceuticals and Toxicology and also, to be a regional center of excellence with an international reputation that will create new knowledge and maintain a culture of learning.

Mission:

The department's mission is to graduate clinical pharmacists in accordance with international standards, and for these graduates to be able to apply pharmaceutical practices and provide services to patients such as monitoring treatment, following up on harmful effects of drugs and full knowledge of contraindications to drug use, as well as dealing safely and effectively in dispensing medications.

Objectives:

- * Training undergraduate and postgraduate students in clinical pharmacy specializations
- * Conduct postgraduate research programs to obtain a higher scientific degree in clinical pharmacy
- * Provide professional services to the community, and at the national level to the Ministry of Health and professional bodies and at the international level to the World Health Organization and other countries and organizations.
- * Promote independent research carried out by faculty members.
- * Provide leadership in setting the national and international pharmaceutical agenda.
- * Encouraging innovative research that addresses current and emerging health challenges.
- * Enhancing the quality of pharmaceutical services.
- * Achieving efficiency and teamwork in research and practice

The courses taught by the department:

3205311 Pharmacology I

علم الأدوية - 1 3205311

3205312	Pharmacology II	علم الأدوية - 2	3205312
3205413	Pharmacology III	علم الأدوية - 3	3205413
3205414	Pharmacology IV	علم الأدوية - 4	3205414
3205515	Basic and Clinical Toxicology I	علم السموم الأساسي و السريري 1	3205515
3205516	Basic and Clinical Toxicology II	علم السموم الأساسي و السريري 2	3205516

6- Department of Basic Health Sciences - (320 6XXX)

The College of Clinical Pharmacy at Northern Border University aspires to be a pioneer and distinguished in modern clinical pharmaceutical education that combines originality and contemporary, and aspires to be a research center in pharmaceutical sciences to improve health services regionally and globally.

Based on the need to prepare distinguished competencies of clinical pharmacists and realizing the pioneering role that the college must play in community service, the department, which contains several divisions (physiology, anatomy and histology, biochemistry, clinical biochemistry and nutrition in addition to science Microorganisms and these essential medical or health materials represent the backbone on which all clinical pharmacy materials are built) is interested in teaching these subjects for male and female students to increase their knowledge of and profession, which qualifies them to become familiar with and fully acquainted with the science of clinical pharmacology. Accordingly, the college can occupy a distinguished place in the fields and modern specializations in pharmacy and keep pace with modern global trends in activating the role of the pharmacist in health and therapeutic care.

Department vision:

Contribute to the preparation of a doctor-pharmacist with a distinguished degree of scientific competence and laboratory experience.

Mission:

Participate in preparing qualified clinical pharmacists through an interactive pharmaceutical educational environment of international quality in basic medical sciences

It contributes to the provision of health care to the Saudi society and supports the relationship between pharmaceutical education, scientific research and health care. It also participates in the preparation of health scientific research to serve the community.

Objectives:

- * Educating and qualifying students in the fields of clinical pharmacy by pursuing their full knowledge of basic medical materials.
- * Building a culture that links basic health sciences and clinical pharmacy.
- * Raise awareness of the importance of clinical biochemistry in diagnosing and treating various diseases.
- * Carrying out applied research in the field of pathophysiology, which helps in understanding the mechanisms of diseases
- * To provide the most accurate and inspiring education and training for clinical pharmacy students in the fields of microbiology
- * Study the methods used in the sterilization process and their importance.

The courses taught by the department:

3206131	Medical Terminology	المصطلحات الطبية	3206131
3206290	Biostatistics and research methodology	الاحصاء الحيوي وطرق البحث	3206290
3206211	Anatomy & Histology I	علم التشريح والانسجة 1	3206211
3206221	Physiology I	علم وظائف الاعضاء 1	3206221
3206231	Biochemistry I	كيمياء حيوية 1	3206231
3206212	Anatomy & Histology II	علم التشريح والانسجة 2	3206212
3206222	Physiology II	علم وظائف الاعضاء 2	3206222
3206232	Biochemistry II	كيمياء حيوية 2	3206232
3206341	Patho-Physiology I	علم الأمراض الوظيفي 1	3206341
3206342	Patho-Physiology II	علم الأمراض الوظيفي 2	3206342
3206351	Pharmaceutical Microbiology I	علم الكائنات الحية الدقيقة 1	3206351

3206352	Pharmaceutical Microbiology II	علم الكائنات الحية الدقيقة 2	3206352
3206433	Molecular Biology	علم الاحياء الجزيئية	3206433
3206454	Immunology	علم المناعة	3206454
3206455	Pharmaceutical Biotechnology	التقنية الحيوية الصيدلانية	3206455
3206353	Cancer Genetics	علم السرطان الوراثي	3206353

General and Specific Objectives of The Study Plan

1. To produce highly competent clinical pharmacists equipped with basic and advanced knowledge required for direct patient care.
2. To prepare pharmacy graduates having basic knowledge and practical skills in pharmaceutical and clinical research.
3. To produce clinical pharmacists to fulfill the national and international demands of pharmacy profession and further postgraduate studies.

The objectives were optimized as follows:

Preparing staff of pharmacists who hold a Doctor of Pharmacy (Pharm. D) certificate and able to:

- 1- Understanding the diagnosis of the disease and the optimal choice of medication.
- 2- Full awareness of the basic rules for starting, continuing, changing or stopping treatment.

- 3- Understanding the basics of pharmacokinetics sufficiently to improve the treatment plan for each disease case.
- 4- Interact efficiently with the medical team and the patient.
- 5- Searching for and interpreting information related to the drug, using the pharmaceutical and medical sciences and their applications to various pathological conditions.
- 6- Establishing a health information base drawn from personal interviews with patients and by reading medical reports and discussing with the rest of the participating medical team members.
- 7- Education and health education with everyone who deals with him.
- 8- Demonstrate the skills of dealing, organizing and adapting to the dynamics of teamwork.
- 9- Demonstrate professional acumen and personal responsibility towards patients and members of the medical team.
- 10- Practicing the profession of pharmacy in its various aspects in governmental or private hospitals, public pharmacies and pharmaceutical companies.

The most prominent features of the study plan:

- * The plan contains a commendable contributions and opinions of faculty members with experience in the field of pharmacy practice and university education.
- * The study plan have been prepared according to the global accreditation requirements; and includes well prepared courses in the following domains:
 - * Basic sciences.
 - * Medical Biosciences.
 - * Pharmaceutical sciences.
 - * Clinical Pharmaceutical Sciences.

1 - The courses included in the study plan have been developed in theoretical and practical scientific content in accordance with the latest systems, curricula and standards. It was distributed over the six years in a way that achieves balance between them and linking them to each other, taking into account the gradation and logical integration between them. To achieve this, the study was divided into three consecutive phases:

- a. **The first stage:** It includes the first two years (the preparatory year) and the second, in which preparatory (qualifying) courses and some specialized subjects are taught.
- b. **The second phase:** includes the third, fourth and fifth years, during which applied pharmaceutical sciences and medicine related to specialization and clinical pharmacy are taught.
- c. **The third stage:** It is represented by the sixth year, where the student moves to the applied-practical stage by focusing on the study of clinical, pharmaceutical and direct materials in

hospitals through eight studies and periodic clinical training in different medical departments and specialties. Where training and participation takes place with members of the treating medical team, dealing and interacting with patients positively, in order to achieve the student's acquisition of high skills that qualify him as a graduate to work as a doctor of pharmacy distinguished in his professional skills and abilities.

Study plan for the Doctor of Pharmacy program:

Numbering system:

The course numbering system is unified for all departments, as each course contains seven numbers:

The first three figures indicates the academic program in NBU (Pharm D program , 320)

The fourth figure indicates the scientific department.

The fifth figure indicates the sequence of the academic year.

The sixth figure indicates the year semester.

The seventh figure indicates the sequence of the course between specialties of the dept courses.

For example, Course No. 3204312

It is “Natural products and alternative medicine” taught for Pharm D program students, by the department of phytochemistry and Natural products, during the first semester of the third academic year, the sequence of this course between specialties of the department courses is second course.

Calibration of teaching hours in academic units:

Theoretical: one study unit = one hour of contact per week.

Practical: one study unit = 3 contact hours per week.

Clinical: 1 credit = 3 contact hours per week.

English: 1 unit of study = 5 contact hours per week.

The main skeleton of the Pharm D -Study plan:

	Courses	Number of Units	Percentage
University Requirements	Obligatory	6	2.80%
University Requirements	Elective	4	1.90 %
College Requirements	Obligatory	58	27 %
	Elective	0	0.00 %
Specialization Requirements	Obligatory	99	46 %
	Helping	0	0.00%
	Elective	3	1.40 %
	Research Project	1	0.50 %
Free Course		4	1.90 %
Field Training		4	1.90%
Clinical Rotations		36	16.7 %
Total of Program Units		215	100 %

The Library المكتبة

The objectives of the library in the College of Pharmacy:

1. Providing sources of human knowledge to serve the specialty of pharmacy, especially the Doctor of Pharm program. D
2. Providing information and library services to facilitate search and retrieval
3. Preparing introductory programs for male and female students and faculty members about the services it provides and how to use the available sources of information.
4. Create a suitable climate within the library for study and research.
5. The importance of the library in the College of Pharmacy is as follows:
6. Encouraging and supporting scientific research among students and faculty members
7. Encourage scientific publishing (research, studies, books, etc.)
8. Education and preparation of specialized human cadres.

The library in the College of Pharmacy in general seeks to provide a modern, balanced, comprehensive and powerful collection of information sources that are closely related to the curricula, academic programs, and scientific research ongoing in the College. The following is a summary of the number of books available in the Faculty of Pharmacy library.

The Laboratories – المعامل

The Laboratories in the College of Pharmacy are the main pillar on which the educational process in the college is based. Since the establishment of the college, there were three laboratories in which practical lessons were held for all departments, and thanks to God and his success, and with the increase in the number of faculty members and the provision of some specialized devices and equipment, there has been a quantum leap in the level and quality of the practical side of the various courses and the increase in scientific publication for faculty members.

The college laboratories:

First: Student' Laboratories

1- Pharmaceutics Laboratory:

In this laboratory, the experiments of the Department of Pharmaceutics for the second, third and fourth levels are conducted, in addition to research projects for male and female students.

2- Pharmaceutical Chemistry Lab:

In this laboratory, the practical side of the courses of organic chemistry, analytical chemistry, and medicinal chemistry is taught, in addition to the practical side of the quality control course. Research experiments are also being conducted to prepare pharmaceutical derivatives. It also teaches natural products and alternative medicine for third-year students.

3- Pharmacology and Toxicology Laboratory:

Practical lessons are conducted for the pharmacology and basics of clinical toxicology courses. It conducts experiments on animals that serve students and faculty members.

4- Microbiology and medical drugs laboratory:

In the laboratory, the practical side of the third-level pharmaceutical microbiology courses is conducted. Practical pharmacology is also taught to the students of the second year, and some research experiments are conducted for student projects and faculty members.

5- Laboratory of Biochemistry, Anatomy, Histology and Physiology:

It teaches the practical side of the courses of biochemistry, clinical biochemistry, physiology, anatomy, histology, and pharmaceutical biotechnology.

المعامل البحثية – Scientific Research Laboratories

1- Natural Products and Alternative Medicine Research Laboratory:

It contains modern equipment such as a high-performance liquid chromatography (HPLC). and rotary evaporator.

2- Molecular Biology Lab:

It contains both traditional and advanced polymerase chain reaction devices, in addition to devices for the process of genetic material analysis (DNA) and its various applications, and it contains an ELISA device for conducting immunological and hormonal tests.

Animal House

The accurate housing system is mandatory for laboratory animals for promotion of biomedical research resources necessary for basic and applied researches. However, high-quality laboratory animals are important to obtain the most reliable results as possible when the experiments necessitate the use of animals. The best guarantee for animal welfare is the high standard of knowledge and practical skills of workers. Therefore, guidelines are important to manage environmental control, nutrition, biosafety, animal waste and genetic control using the most updated knowledge. (Dr. Fijektra et al 1993).

1- General considerations (ارشادات عامة):

Housing Facilities where animals are kept should be appropriately staffed, designed, constructed, equipped and maintained to achieve a high standard of animal care and should fulfil scientific requirements.

In general, housing and management practices should be designed to provide a high standard of animal care, and should follow acceptable standards of animal welfare for the particular species concerned.

In determining the standard of animal care, the criterion should be animal well-being rather than the mere ability to survive under adverse conditions such as environmental extremes or high population densities.

The standard of animal care shall be maintained over weekends and holidays.

Emergency care procedures shall be available at all times. (Dr. Fujektra etal 1993).

2- Staff working with animals (العاملين باسكان الحيوانات):

- Staff working with animals should be in sufficient number of well-trained, knowledgeable and committed Staff.
- Staff should be instructed to the most changes in animal behavior, performance and appearance.
- New Staff should be appropriately instructed in their duties immediately.
- Promotion of formal training of all Staff in animal science technology.
- The Staff-in-charge must have the appropriate animal care qualifications or experience in handling of the species concerned.
- The Staff-in-charge must be responsible for managing the day-to-day care, development and maintenance of the animal care policies and procedures, beside monitoring of the well-being of all animals.
- All Staff must be provided with appropriate protective clothing, maintain high standards of personal hygiene and do not eat, drink or smoke in animal areas.
- document procedures should include the species and the experiments being conducted. The procedures include transport, quarantine and disposal of animals, routine husbandry, prevention, diagnosis and treatment of disease, monitoring of health status and genetic constitution should be documented. (University of Minnesota 2003)

3- Checking Rooms: natural and climatic factors (في بيئة الاسكان التحكم):

- All animal rooms must be monitored daily, considering :
 - a. Room climate conditions (oxygen, light, temperature, humidity, etc.) using air conditioning systems. Recommended tolerance level is $\pm 2^{\circ}\text{C}$, $\pm 10\%$ relative humidity.
 - b. Animals health conditions (infection control)
 - c. Food and Water (supply and validity)
 - d. Racks, cages and enclosure (cleaning, position and condition).
 - e. Problems must be discovered early and removed.
 - f. Daily documentation using Standard Operating Procedure (SOP).
 - g. Insects, wild rodents and birds should be entry prevented.

4- Health Monitoring (في الوضع الصحي التحكم):

- a. Animal health status must be monitored at least once daily.
- b. Animals on studies may require more frequent monitoring.
- c. Clinical signs of disease should be monitored.
- d. Changes in behavior, food or water consumption, fecal or urine output, reduction in grooming behavior, aggression, muscular rigidity, hair coat, reaction to handling should be considered as nonspecific signs of distress or disease.
- e. More specific signs or objective measurements of organ dysfunction should be monitored if indicated by the animal's condition or the expected impact of the experiment.
- f. All animals used for research, testing or teaching should be indicated on the health protocol.
- g. Veterinary care must be available on holidays and weekends as well as during work hours.
- h. Veterinary consultation should be always on request.
- i. Livestock, large animals and primates can bite, batter, or crush. Persons handling animals must take special care when working with animals. Researchers who work with animals may develop allergic reactions, including rhinitis, conjunctivitis, asthma and dermatitis. Symptoms of animal allergy may include nasal congestion, sneezing, water eyes, hives and eczema. (University of Minnesota 2003)

5 - Room Conditions (حالة غرفة الاسكان):

A. General (العامة الحالة)

1. An animal room must be kept clean
2. Research procedures which are permitted within the room include injections, blood collection, examinations and other noninvasive techniques should be in separate room.

B. Light (الاضاءة)

1. Light levels should be adequate for the animal to perform normal behaviors and for the animal care giver to perform their duties. Diffuse lighting in the range of 130-325 lux are normal for mammal husbandry.
2. The light cycle should be appropriate for the biology of the animal, if consistent with experimental goals. A diurnal 12-hour light cycle for most species and 14-hour light /10-hour dark for breeding colonies of rats and mice are standard. Reversal of the cycle or alteration of the cycle may be desirable depending on the experiment.

C. Ventilation (التهوية)

1. Ventilation for rooms housing mammalian species must be adequate to provide oxygen and remove chemical, biological, and heat waste. The standard rate is 10-15 air changes per hour. Lower levels may be acceptable if animal density in the room is low. Fresh air supply and 100% exhaust air to the outside is the standard ventilation requirement.
2. Room ventilation should normally be adjusted to maintain room pressure relative to the corridor as positive for SPF animals or negative if the room is serving as an isolation room.
3. Ventilation ducts and filters should be cleaned at least monthly

D. Temperature (درجة الحرارة)

1. Temperature in rooms should be maintained in a range suitable for the species of animal and the animals should be protected from abrupt changes.
 1. A range of 20-25 °C is standard for mammals.
 2. Animals adapted to outdoor environments may have different needs.
 3. Temperature ranges for many animals are specified in the Animal Welfare Act and the Guide for the Care and Use of Laboratory Animals.

E. Noise (الازعاج)

1. Noise in animal rooms should be minimized whenever possible.
2. Playing music in animal rooms is not allowed, although it may be permitted under some circumstances to provide enrichment or "white noise".
3. Noise from mechanical equipment in adjacent areas should be avoided.
4. Some species may experience reproductive problems when exposed to excessive noise.

F. Sanitation (التطهير)

1. Room surfaces should be constructed of material that is easily sanitized.
2. Floors, counters and sinks should be cleaned daily.
3. Other room surfaces, including cage racks, should be sanitized monthly.

4. Animals health conditions (infection control)

5. Food and Water

- * Racks, cages and enclosure (cleaning, position and condition).
- * Problems must be discovered early and removed.
- * Daily documentation using Standard Operating Procedure (SOP).
- * Insects, wild rodents and birds should be entry prevented.

6 - Cage Conditions (حالة الاقفاص)

A. Identification (التعريف)

1. All animals must be identified according to the investigator, species, and should also include strain, sex, age and source.
2. Rodents and smaller animals may be identified at the cage or rack level.
3. Large animals must have individual identification.
4. Identification is normally provided by a cage card, with additional marking of individual animals when needed. Groups of animals may be identified using one posting if all information is identical.

B. Cage Space Requirements (متطلبات حجم الاقفاص)

1. A major consideration is the provision of enough space to allow an animal to make normal postural adjustments and have normal intraspecific interactions (including avoidance).
2. [Cage space requirements](#) must be specified by guidelines and law.
3. For mice, a standard "shoebox" type cage can hold 4 adult female mice or 5 adult male mice and the larger rat shoebox cage can house 2 adult rats (3 if each is less than 500 g). For other species enclosures should be measured and the animals weighed to determine if requirements are being met.
4. If animal waste is excessive, or if significant aggression is occurring, the cage is too crowded.

C. Type of Caging (انواع الاقفاص)

1. Grate type floors are generally used for large animals and rabbits for sanitary reasons. Solid floors may be necessary if the grate causes foot or leg problems.
2. Solid bottom caging with bedding is the preferred type of caging for all rodents. Rodents over 600 g must have solid bottom caging. Breeding mammals must have a solid floor at least in a nest box, bedding and additional nesting material.
3. Immunodeficient animals, or animals to be maintained specific-pathogen free may require housing that has been sterilized, usually by autoclaving.
4. Specific Pathogen Free (SPF) rodents are usually housed in filter top caging to prevent transmission of diseases into or out of the cage. These cages must be handled in protective hoods using sterilants for anything that will touch the interior of the cage.

D. Bedding Material (مواد الترقيد)

1. Bedding material should be clean, dry, dust-free, absorbent, non-toxic and preferably soft.
2. Typical bedding used for rodents include hardwood chip or ground corncob. Do not use aromatic softwood (e.g. cedar) bedding material.
3. Bedding must be changed when it is visibly wet.

E. Social Behavior (السلوك الاجتماعي)

1. Animals should be group housed with same-sex conspecifics whenever possible.
2. Group housed animals must be assessed for compatibility and separated if there is significant aggression. If animals are excluding others from food or water, additional feeders and waterers must be provided.

F. Breeding (التوالد)

1. Breeding must be justified on the animal use protocol.
2. Standard breeding protocols should be followed. Attention should be paid to maintenance of genetic homogeneity (inbred animals) or heterogeneity (outbred animals). Genetic monitoring may be necessary for large or long-term breeding programs.

3. Cage space requirements must be closely monitored for breeding animals. Because many laboratory mammals have large litters and rapid growth rates, usually no more than one breeding pair per cage is appropriate. Animals should be weaned before puberty and separated into same-sex groups based on adult maximum weights.

G. Enrichment (التخصيب)

1. Animals require environmental enrichment to allow them to express normal specific behaviors.
2. Enrichment can include group housing or other opportunities to socialize such as visual, tactile or olfactory contact with other animals, human interaction, exercise opportunities, nesting material, digging or chewing substrates, food enrichment or other activities that result in a positive psychological state for the animals.

H. Sanitation (و التعقيم التطهير)

1. Methods الطرق:
 - i) Cages may be sanitized in a commercial cage washer with a soap wash and a high temperature (100 °C) rinse.
 - ii) Cages may be hand washed with detergent, rinsed in water, then dipped in a sanitizing agent (15 ml bleach per gallon of water) and allowed to dry.
2. Frequency (و التعقيم عدد مرات التطهير)
 - Cages and waste pans should be sanitized weekly, or more often if required.

7. Food (الاكل)

A. Type (أنواع الاكل):

1. Animal food must supply all required nutrients unless the requirements of the study preclude it.
2. Animals should be fed commercially available complete diets appropriate for their physiologic status.

3. Rodents normally are fed a pelleted chow, which helps to wear down continuously erupting teeth. If powdered diets are to be fed a chewing substrate may be necessary, or tooth growth must be monitored.

B. Amount (الكمية)

1. Animals should be fed amounts of food to provide at least their maintenance requirements. The National Research Council publishes nutritional requirements for most animals.

2. If food is restricted for more than 8 hours for neonates, rabbits or rodents, 48 hours for ruminants, or 24 hours for other animals:

1. For experimental reasons this must be approved by ethical committee.
2. For medical reasons this decision should be made with veterinary input.

C. Quality Control (مراقبة الجودة)

1. Commercially prepared food must be used within 6 months of its milling date (usually printed on the bottom of the bag).

2. Specially formulated diets may not have an expiration date. Generally, these should be refrigerated and used within 6 months of manufacture.

3. Quality control or nutritional analysis data should be obtained from the food manufacturer.

4. Food should be stored in sealed, sanitizable containers. The type of food and expiration date should be marked on the container. Containers should be cleaned out weekly and sanitized monthly.

5. Food should not be stored adjacent to animal waste containers or chemicals.

6. Sterilized food should be stored in sterilized containers and the date of sterilization marked on the container.

8. Water (الماء)

A. Type (النوع)

1. For most purposes tap water from a potable water faucet is adequate for research mammals.

2. For experimental reasons, animals may have special water requirements, such as a need for deionized water, for sterilized water, or for water treated with medications.

B. Amount (الكمية)

1. Generally, animals should have drinking water available at all times.
2. If water is restricted for more than 24 hours for large animals, or 5 hours for rodents or rabbits:
 1. For experimental reasons this must be approved by ethical committee
 2. For medical reasons this decision should be made with veterinary input.

C. Quality Control (مراقبة الجودة)

1. For potable tap water, quality control beyond that which the municipality provides is not usually necessary.
2. Special water needs may require additional monitoring. Water may need to be analyzed for chemicals or cultured for microorganisms. (University of Minnesota 2003)

9. Euthanasia: (القتل الرحيم)

- 1- When it is necessary to kill an animal, humane procedures must be used. These procedures must avoid distress, be reliable and produce rapid loss of consciousness without pain until death occurs.
- 2- The appropriate means must be readily at hand.
- 3- The procedures should be performed only by persons who have demonstrated to a veterinarian or designated by a veterinarian that they are competent in the methods to be used.
- 4- Animals should be killed in a quiet, clean environment, and preferably away from other animals.
- 5- There must be no disposal of the carcass until death is established.
- 6- Dependent neonates of animals being killed must also be killed or provision made for their care.
- 7- When fertilised eggs are used, the method of disposal must ensure the death of the embryo. (Prof Bernard Tan et al. 2004)

10 - Laboratory Animals and Animal Tissue Disposal:

To provide humane treatment to animals, protect researchers, animal handlers and the environment. Personnel conducting animal research with infectious agents or working with

animals that carry potential zoonoses, must utilize isolation procedures that are appropriate to the infection risk. (University of Wisconsin)

1. Research personnel MUST remove all animals, dead or alive, from the cage before leaving the cage for autoclave or cage wash processing.
2. It is essential to euthanize all animals properly. Research personnel MUST ensure death before placing animal carcass(es) in the designated return rack or carcass container.
3. Following euthanasia (injectable or inhalational) and before disposal, ensure death by performing an approved secondary method. Approved secondary methods include 1) major organ harvest, 2) thoracotomy, 3) cervical dislocation, and 4) decapitation.
4. Place the carcass(es) in a non-PVC containing, sealable, transparent plastic bag. These plastic bags are located in the CO2 chamber area.
5. Label the bag with the application identification (protocol) number only. Seal the bag securely. Place the bag with the carcass(es) into the Stericycle box located within cold rooms.
6. Provide the requested information on the tracking sheet located on the outside of the cold room or on top of the box. All carcasses are incinerated unless they require special handling procedures as defined by Environment, Health and Safety (EHS) on the official hazard forms.
7. Animals containing some radioactive agents or chemical agents that are classified as hazardous waste must be stored according to EHS recommendations. EHS will retrieve and dispose of these carcasses as defined on the ethical committee official hazard forms. (University of North Carolina 2013).

11- References: (المراجع)

1. Dr. Fijektra et al., Guidelines for breeding and care of laboratory animals, World Health Organization and International Council for Laboratory Animal Science (ICLAS) .1993, 93.169.
2. Prof Bernard Tan et al. Guidelines on the Care and Use of Animals for Scientific Purposes. NATIONAL ADVISORY COMMITTEE FOR LABORATORY ANIMAL RESEARCH.2004.
3. University of Wisconsin-Madison Safety Department. Laboratory Safety Guide (608) 262-8769. Ch.8.

4. University of North Carolina, Institutional Animal Care and Use Committee (IACUC), DISPOSAL OF RODENT CARCASSES POLICY. 2013.
3. University of Minnesota, Housing and Husbandry Guidelines for Laboratory Animals.2003.

مركز الإنعاش القلبي الرئوي - Cardio-Pulmonary Resuscitation Centre

(CPR)

The CPR Center at the College of Pharmacy is one of the centers that distinguishes the college. It was opened and licensed by the Saudi Heart Association on 12/5/1434 AH corresponding to 3/224/2014 AD. It is the first and only center at the university level, and it is the second at the university level. The northern border area, and the center provides CPR courses for college students in particular and university students in general. Practicing health professions from the Health Specialties Authority.

Vision:

That the CPR Center at the College of Pharmacy, Northern Border University become a distinguished beacon for spreading health culture and raising the level of health awareness among citizens and residents in the northern border region.

Mission:

Providing educational and training services to all employees of the university (students / students / faculty members / employees) and employees of health and other relevant institutions and institutions from outside the university, and that the center contribute effectively to spreading knowledge and familiarity with methods of cardiopulmonary resuscitation and ways to preserve life

Objectives:

1. Qualifying students of the university's health faculties and health practitioners to complete the requirements for obtaining a professional license from the Saudi Commission for Health Specialties by giving them CPR courses, which is a prerequisite for obtaining a license.
2. Spreading health awareness among citizens and residents
3. Developing the skills of dealing, organizing and adapting to the trainees in the face of emergency situations.
4. Contribute to the rehabilitation of health personnel and raise the level of their clinical practice.
5. Training and continuing education on the latest ways to preserve life.

نظام قبول الطلاب المستجدين - Student Admission System

The student admission system is controlled by the Study Bylaw

Second subject of study bylaw

The university council determines, based on the proposal of the college councils and the relevant authorities in the university, the number of students that can be accepted in the next academic year.

Article Three:

To accept a new student at the university, the following is required:

- He must have obtained a general secondary certificate, or its equivalent, from inside or outside the Kingdom.
- Not more than five years have passed since obtaining a high school diploma or its equivalent, and the University Council may make an exception to this condition if there are convincing reasons.
- Be of good conduct.
- Successfully pass any test or personal interview deemed necessary by the University Council.
- To be medically fit.
- To obtain approval from his reference to study if he works in any governmental or private agency.
- To fulfill any other conditions determined by the University Council and announced at the time of submission.

The executive rules of the third article.

- That the student be a Saudi national, or from a Saudi mother, or the wife of a Saudi citizen who has children from him, and by Saudi we mean here the one who has a civil registry number issued by the Civil Affairs.
- The student should not be registered at a university, college or institute.
- The student has not been expelled from another university for disciplinary reasons.
- Admission priority is for students who have obtained a general secondary certificate from within the northern border region.

5. A student who obtained a high school diploma from outside Saudi Arabia is subject to the general and specific conditions of admission that apply to his peers who graduated from inside Saudi Arabia.
6. It is required for the applicant who obtained high school diploma from outside the Kingdom, that the secondary school certificate and the rest of the documents be certified by the Saudi Cultural Attaché in the country of graduation.
7. Clause (f) of affiliation, parallel and diploma students is excluded from Article Three.
8. Clause (b) of the third article excludes the student accompanying a scholarship student outside the Kingdom, provided that he submits evidence of his accompaniment throughout the period during which he was interrupted.

Article Four:

Preference shall be made between applicants who meet all conditions according to their scores in the General Secondary Certificate Examination, personal interview, and admission tests, if any.

Article 4 executive rules

1. If the admission conditions apply to several applicants in one of the available seats, the priority of desires and then the weighted score are used to differentiate between the applicants. The one with the higher weighted score has a higher chance of obtaining admission to the available seat.
2. The preference is made by looking at the first desire of the student first, and if he is not lucky in that desire because there is someone who is higher than him in the weighted class, and the available seats have been filled, then his second desire is considered, if there is someone who is higher than him in the weighted class, whether their desire is The first or those whose second desire was the same as the applicant's desire, and the available seats were filled, so the third desire of the applicant is considered, and also if there are applicants who are higher than him in the weighted degree, whether those whose first, second, or even third desire was the same as the applicant's desire, and the seats were filled available, then consider the desire that follows, and so on.
3. If the aforementioned is not successful in any of his desires, the university will assign him the seat that it deems appropriate for him, or take action in it that may lead to his non-admission to the university. As defining and arranging desires does not mean achieving them in order or even achieving any of them, because all this depends on the other applicants and their proportions in the weighted degree.
4. The Deanship of Admission and Registration, during the admission period, is in charge of communicating with applicants for admission to the university by sending text messages that

reach the applicant on the mobile number that the student added when applying, in order to confirm the application and confirm acceptance.

5. The applicant must respond to these text messages, and the student must not have denied himself the right to accept this or that college, or even denied himself admission to the university. Responding to letters is essential in the process of accepting a student or not.
- * The weighted score is calculated as follows (according to the scientific course):

Students of Scientific section :

Weighted score = (0.6 * high school percentage) + (0.4 * aptitude test)

6. Preference for admission is given to those who meet the admission requirements for those who obtained a high school diploma in the same year of application, but for those whose date of obtaining a secondary school certificate was not in the same year, then the preference is for the least years, then the least from the year of application up to five years,

For example: a person who obtained high school from the year of application was two years closer to acceptance than someone who obtained high school three years before the year of application, and so on.

نظام الدراسة - Study System

Article Five:

- A. The student progresses in the study in accordance with the executive rules approved by the University Council.
- B. Study plans are designed for at least eight semesters for the undergraduate level.

The executive rules of Article Five

1. The department head or the college vice dean for academic affairs appoints an academic advisor for the student to guide the course registration process.
2. The student progresses in the study according to the study plan allocated to it and according to the courses he successfully passed.

3. The period spent by the student in the “preparatory year”, if any, whether it is one or two semesters, is not counted among the semesters of study plans, unless there is a clear text that includes the process of calculating the preparatory year within a specific plan.

Article Six:

Studying in some colleges may be on the basis of the full academic year in accordance with the rules and procedures approved by the University Council. The academic year in the College of Pharmacy is calculated in two levels.

Article Six Executive Rules

1. The study period is not less than 15 academic weeks for the college, not including the final examination period.
2. Examinations are at the end of each semester for non-clinical and practical courses.
3. The clinical and practical courses will be tested at the end of the training period.
4. The number of courses for which students are given a re-test does not exceed 70% of the total courses of the study plan.
5. A successful score (60) for the re-test, regardless of the student's score.
6. With regard to first-year students at the Faculty of Medicine who fail in some courses, they are given the opportunity to re-examine, and if they fail, they are transferred to another.

For more detail regarding Study Bylaw , you can follow the following link.

- 1 لائحة الدراسة والاختبارات للمرحلة الجامعية والقواعد التنفيذية لها
[Study Bylaw for study and examination regulations and rules.pdf \(nbu.edu.sa\)](http://nbu.edu.sa/Study%20Bylaw%20for%20study%20and%20examination%20regulations%20and%20rules.pdf)

Pharm D Program Handbook

Approved by :

Dean Of the Faculty

Dr. Nawaf Al-Otaibi