2023/ 2024

Program Report



Bachelor In Pharmacy Pharm D

Faculty of Pharmacy

2023/ 2024

5th Year Academic report

(Bachelor In Pharmacy Pharm D)

2023/2024

إعتماد مجلس كلية: ٢٣ سبتمبر ٢٠٢٤

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- **University / Academy:** Pharos University in Alexandria
- **Faculty / Institute:** Faculty of Pharmacy

A- Basic Information

1	**Program Title**	Bachelor In Pharmacy Pharm D	
2	**Program Type**	Single	
3	**No of Academic Years**	Five years + 1 academic year (9 months) internship	
4	**No of Credit Hours/ No of Courses for Bylaw Pharm D**	Compulsory	167Cr
		Elective (4 elective courses)	8 Cr
		University requirements	6 Cr
		Total	181 Cr
		Summer Training (Community Pharmacy)	100 hrs
5	**Departments: 6 academic departments:**	a) Department of Pharmaceutical Chemistry (PC) b) Department of Pharmacognosy & Natural Products (PG) c) Department of Pharmacology and Therapeutics (PL). d) Department of Microbiology and Immunology (PM). e) Department of Clinical Pharmacy & Pharmacy Practice (PN). f) Department of Pharmaceutics & Pharmaceutical Technology (PP).	
6	**Basics of External Examiner Committee Selection**	**Examiner boards consist of:** • Staff members sharing in teaching the course and external examiners who teach the course in other universities. • Any staff member that has a relative of the 4th degree in an academic year in the faculty is excluded from the examiner board of this year. • The construction of the examiner's boards should be approved by the departments' council. • A questionnaire was filled by external oral examiners for each course; their feedback is documented in each course report	
7	**System of External Examiner:**	Done when needed	

B- Specialized Information

Statistical Information

Students' distribution among the five years/ academic year 2023/2024:

Student academic level	Students number
Freshmen	67
Sophomore	91
Junior	69
Mid-Senior	42
Senior	238
Total	**507**

Total number of students registered for the academic year **2023/2024** is 507

- **No. of student completing the program and as a percentage of those who started:**

Academic year	Total no of students	No of graduate students	% of graduate students
2023/2024	507		

- **% of joining the faculty for the last three years: increasing**

Student academic level	Students number
2023/2024	67
2022/2023	43
2021/2022	35

- **Grading of the academic year 2023/2024:**

Academic level	85-100		75<85		65<75		60<65		<60	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Freshmen	32.22%	29.55%	18.90%	13.388%	16.96%	13.71%	7.97%	9.59%	23.94%	33.76%
Sophomore	20.13%	27.78%	19.34%	20.62%	19.37%	30.15%	14.12%	20.625%	12.75%	27.78%
Junior	28.7%	26.49%	13.29%	15.45%	19.16%	21.21%	20.69%	10.36%	18.15%	12.19%
Mid senior	49.71%	58.64%	31.28%	24.3%	12.65%	10.83%	3.61%	3.44%	2.74%	2.59%
senior	63.17%	77.13%	23.54%	16.88%	10.1%	3.67%	1.93%	1.56%	1.25%	0.76%

C- Academic Standards

- **Reference Academic Standards:**
  - The faculty adopts the Academic Standards of the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Competency-Based NARS 2017, in a faculty council on 7/10/2019.
  - Competency-Based NARS 2017 was previously discussed and adopted in all departments' councils.
  - Updating teaching and learning strategy and assessment methods, to be in line with Competency-Based NARS 2017, was a major activity done by QAU.
  - QAU started to organize workshops to train and increase the awareness of staff members about Competency-Based NARS 2017 and the updated teaching and learning strategy and assessment methods.

D- Graduate Attributes

Faculty of Pharmacy, Pharos University in Alexandria strives to develop a graduate of the Pharm-D program who will be considered as a multi-disciplinary professional pharmacist. Graduates will acquire the competencies that will enable them to improve the quality of life of individuals and communities. Accordingly, graduates must develop several variant competencies related to different aspects comprising both drug-oriented and patients'-oriented ones. Competencies acquired will build up a graduate of several virtues as self-awareness and being a successful health care-giver, professional, promotor, teacher, leader, collaborator, manager, well trained communicator, problem solver, decision-maker, life-long learner and innovator .

- **Pharmacy graduates must be able to :**
  1. Provide patient care and proper education and counselling for individuals and communities in order to reach optimized therapeutic outcomes and minimize the incidence of illness in populations .
  2. Identify and solve patient-specific drug-related problems.
  3. Practice and perform responsibilities legally, professionally and ethically respecting patients' rights.
  4. Assure the quality of pharmaceutical material, compounds, products and related pharmacy services.
  5. Contribute effectively in planning and conducting research using appropriate methodologies.
  6. Utilize evidence-based data in delivering contemporary and novel pharmaceutical products and pharmacy services.
  7. Apply integrated evidence-based pharmaceutical and clinical information in evaluating the appropriateness, effectiveness, and safety of various compounds, medications and therapeutic related decisions .
  8. Share collaboratively in the therapeutic decision-making as a member of an inter-professional health care team.
  9. Demonstrate capabilities and skills of leadership, creativity, administration and entrepreneurship.
  10. Use the most advanced technologies as a life-long learner for continuous professional development and demonstrate capabilities of performance appraisal and self-assessment.
  11. Show the ability to communicate with patients and healthcare providers with complete respect of cultural diversity.

E- National Academic Reference Standards (NARS) 2017:

By completion of the program, students should achieve the following 12 competencies that cover 4 competency domains. These domains cover all essentials for practicing pharmacy profession including both drug-oriented and patient-oriented disciplines. A number of Key Elements are included in each competency, with a total of 42 key elements for all competencies. These key elements will reflect each competency in practice.

The competency domains are the followings:

Domain 1: Fundamental Knowledge
Domain 2: Professional and Ethical Practice
Domain 3: Pharmaceutical Care
Domain 4: Personal Practice

DOMAIN 1- FUNDAMENTAL KNOWLEDGE

1-1- COMPETENCY Integrate knowledge from basic and applied pharmaceutical and clinical sciences to standardize materials, formulate and manufacture products, and deliver population and patient-centered care.

KEY ELEMENTS

1-1-1- Demonstrate understanding of knowledge of pharmaceutical, biomedical, social, behavioral, administrative, and clinical sciences.

1-1-2- Utilize the proper pharmaceutical and medical terms, abbreviations and symbols in pharmacy practice.

1-1-3- Integrate knowledge from fundamental sciences to handle, identify, extract, design, prepare, analyze, and assure quality of synthetic/natural pharmaceutical materials/products.

1-1-4- Articulate knowledge from fundamental sciences to explain drugs' actions and evaluate their appropriateness, effectiveness, and safety in individuals and populations.

1-1-5- Retrieve information from fundamental sciences to solve therapeutic problems.

1-1-6- Utilize scientific literature, and collect and interpret information to enhance professional decision.

1-1-7- Identify and critically analyze newly emerging issues influencing pharmaceutical industry and patient health care.

DOMAIN 2: PROFESSIONAL AND ETHICAL PRACTICE

2-1- COMPETENCY Work collaboratively as a member of an inter-professional health care team to improve the quality of life of individuals and communities, and respect patients' rights.

KEY ELEMENTS:

2-1-1. Perform responsibilities and authorities in compliance with the legal and professional structure and role of all members of the health care professional team.

2-1-2. Adopt ethics of health care and pharmacy profession respecting patients' rights and valuing people diversity.

2-1-3. Recognize own personal and professional limitations and accept the conditions of referral to or guidance from other members of the health care team.

2-2- <u>COMPETENCY</u> Standardize pharmaceutical materials, formulate and manufacture pharmaceutical products, and participate in systems for dispensing, storage, and distribution of medicines.

KEY ELEMENTS:

2-2-1. Isolate, design, identify, synthesize, purify, analyze, and standardize synthetic/natural pharmaceutical materials.

2-2-2. Apply the basic requirements of quality management system in developing, manufacturing, analyzing, storing, and distributing pharmaceutical materials/ products considering various incompatibilities.

2-2-3. Recognize the principles of various tools and instruments, and select the proper techniques for synthesis and analysis of different materials and production of pharmaceuticals.

2-2-4. Adopt the principles of pharmaceutical calculations, biostatistical analysis, bioinformatics, pharmacokinetics, and bio-pharmaceutics and their applications in new drug delivery systems, dose modification, bioequivalence studies, and pharmacy practice.

2-3- <u>COMPETENCY</u> Handle and dispose biologicals and synthetic/natural pharmaceutical materials/products effectively and safely with respect to relevant laws and legislations.

KEY ELEMENTS:

2-3-1. Handle, identify, and dispose biologicals, synthetic/natural materials, biotechnology-based and radio-labeled products, and other materials/products used in pharmaceutical field.

2-3-2. Recognize and adopt ethical, legal, and safety guidelines for handling and disposal of biologicals, and pharmaceutical materials/products.

2-4- <u>COMPETENCY</u> Actively share professional decisions and proper actions to save patient's life in emergency situations including poisoning with various xenobiotics, and effectively work in forensic fields.

KEY ELEMENTS:

2-4-1- Ensure safe handling/use of poisons to avoid their harm to individuals and communities.

2-4-2- Demonstrate understanding of the first aid measures needed to save patient's life.

2-4-3- Take actions to solve any identified medicine-related and pharmaceutical care problems.

2-4-4- Assess toxicity profiles of different xenobiotics and detect poisons in biological specimens**.**

2-5- COMPETENCY Contribute in pharmaceutical research studies and clinical trials needed to authorize medicinal products.

KEY ELEMENTS:

2-5-1- Fulfill the requirements of the regulatory framework to authorize a medicinal product including quality, safety, and efficacy requirements.

2-5-2- Retrieve, interpret, and critically evaluate evidence-based information needed in pharmacy profession.

2-5-3- Contribute in planning and conducting research studies using appropriate methodologies.

2-6- COMPETENCY Perform pharmacoeconomic analysis and develop promotion, sales, marketing, and business administration skills.

KEY ELEMENTS:

2-6-1- Apply the principles of business administration and management to ensure rational use of financial and human resources.

2-6-2- Utilize the principles of drug promotion, sales, marketing, accounting, and pharmacoeconomic analysis.

DOMAIN 3: PHARMACEUTICAL CARE

3-1- COMPETENCY Apply the principles of body functions to participate in improving health care services using evidence-based data.

KEY ELEMENTS:

3-1-1- Apply the principles of body function and basis of genomics in health and disease states to manage different diseases.

3-1-2- Apply the principles of public health and pharmaceutical microbiology to select and assess proper methods of infection control.

3-1-3- Monitor and control microbial growth and carry out laboratory tests for identification of infections/diseases.

3-1-4- Relate etiology, epidemiology, pathophysiology, laboratory diagnosis, and clinical features of infections/diseases and their pharmacotherapeutic approaches.

3-2- COMPETENCY Provide counseling and education services to patients and communities about safe and rational use of medicines and medical devices.

KEY ELEMENTS:

3-2-1- Integrate the pharmacological properties of drugs including mechanisms of action, therapeutic uses, dosage, contra-indications, adverse drug reactions and drug interactions.

3-2-2- Apply the principles of clinical pharmacology and pharmacovigilance for the rational use of medicines and medical devices.

3-2-3- Provide evidence-based information about safe use of complementary medicine including phytotherapy, aromatherapy, and nutraceuticals.

3-2-4- Provide information about toxic profiles of drugs and other xenobiotics including sources, identification, symptoms, and management control.

3-2-5- Educate and counsel patients, other health care professionals, and communities about safe and proper use of medicines including OTC preparations and medical devices.

3-2-6- Maintain public awareness on social health hazards of drug misuse and abuse.

DOMAIN 4: PERSONAL PRACTICE

4-1- COMPETENCY: Express leadership, time management, critical thinking, problem solving, independent and team working, creativity and entrepreneurial skills.

KEY ELEMENTS:

4-1-1- Demonstrate responsibility for team performance and peer evaluation of other team members, and express time management skills.

4-1-2- Retrieve and critically analyze information, identify and solve problems, and work autonomously and effectively in a team.

4-1-3- Demonstrate creativity and apply entrepreneurial skills within a simulated entrepreneurial activity.

4-2- COMPETENCY Effectively communicate verbally, non-verbally and in writing with individuals and communities.

KEY ELEMENTS:

4-2-1- Demonstrate effective communication skills verbally, non-verbally, and in writing with professional health care team, patients, and communities.

4-2-2- Use contemporary technologies and media to demonstrate effective presentation skills.

4-3- COMPETENCY Express self-awareness and be a life-long learner for continuous professional improvement**.**

KEY ELEMENTS:

4-3-1- Perform self-assessment to enhance professional and personal competencies. Practice independent learning needed for continuous professional development.

F- Student Support System:

Academic Support

- There is the (academic supervision) scientific leadership system in which each staff member gives academic support to specified number of students as academic advisor. There is a general academic advisor for the faculty and 1 deputy for him.
- In the Fall and Spring 2023/2024, lists were done to know that exact the number of students who possessed academic problems (المتعثرين), and they were divided into categories according to the cumulative GPA. The grades and absences of students were also monitored, and the academic supervision urged the students to be regular and raise the grades to prevent failure. The students' midterm scores were also counted, and the academic supervision communicated with them to discuss the possibility of raising them. Students' results were also reviewed at the end of each semester to determine their progress.
- Declared office hour system (2 hours/week/course) for each staff member involved in teaching to answer students' scientific questions.
- Follow-up the work of the Committee of international students on a regular basis and stand to solve the problems facing them.
- Continuous follow-up of لجنة المقاصات to determine the extent of its work and raising the percentage score for each course as the calculation was on a low percentage.

- Comparison tables were also made between the four bylaws that operate within the faculty, in order to facilitate the work of لجنة المقاصات.
- Studying the petitions received by the college regarding the registration of courses at the beginning of each semester for approval and sending them to the Vice President of the University for admission and registration.
- The use of simulation programs has been activated, which is an educational method that simulates reality and give more chances for the students to practice and acquire skills, examples for the used programs (**Molecular operating environment, Pharmalator, Lexicomp, Rat CVS, Cal pharmacology MSmedia, Mendely, Drug eye, Jamovi / JASP, online simulation/ simulation websites and calculators).**

Implementation of the International Virtual Lecture Series:

- The college hosted Professor Mahmoud Suleiman, Professor of Pharmaceutical Sciences at the School of Health Sciences, University of KwaZulu-Natal, South Africa, to give a lecture titled "Drug Targets, Receptors, and Enzymes" in the "Drug Design" (PCD401) course during the tenth academic week, on Tuesday, April 16, 2024.
- The college hosted Dr. Hadziliana Zainal, Lecturer in Clinical Pharmacy at the School of Pharmaceutical Sciences, Universiti Sains Malaysia (USM), to deliver a virtual lecture titled "Population Pharmacokinetics and Pharmacokinetics in Dialysis" in the Clinical Pharmacokinetics (PND 403) course during the twelfth academic week, on Tuesday, April 30, 2024.
- The college hosted Dr. Rosa Dianita, Lecturer in Pharmacognosy at the School of Pharmaceutical Sciences, Universiti Sains Malaysia (USM), for a virtual lecture titled "Alkaloids: Chemistry, Pharmacology, and Current Research" in the Pharmacognosy (PGD 302) course during the thirteenth academic week, on Tuesday, May 7, 2024.
- The college hosted Dr. Craig Russell, Faculty Member at the School of Pharmacy, Aston University, England, for a virtual lecture titled "Cancer Targeting" in the Advanced Drug Delivery Systems (PPD 503) course during the fourteenth academic week, on Thursday, May 16, 2024.
- Dr. Noor Hafizan from the School of Pharmaceutical Sciences, Universiti Sains Malaysia (USM), visited the College of Pharmacy from April 20, 2024, to April 27, 2024. During her visit, she taught lectures and practical sessions in the PND 404 course in the Clinical Pharmacy and Pharmaceutical Practice Department. She also conducted a mini-workshop as part of an applied activity on developing professional skills and collaborating in both public and private pharmacies, as well as pharmaceutical manufacturing, in the PND 503 course.

Expanding Field Visits to Connect Theoretical Courses with the Job Market, such as:

- Visit to Vitabiotic Pharmaceutical Industries
- Visit to Medzin Pharmaceutical Industries
- Scientific Visit to Isis (Sekem) Company
- Visit to Mazhar Botanical Garden
- Attendance at Pharmaconex 2023 Exhibition and Conference
- Training at Medical Professions Company
- Training at Alexandria Pharmaceutical Industries

- Summer Training at Egyptian International Pharmaceutical Industries (EIPICO)
- Collaboration Protocol for Training with Mahfouz Pharmacies
- Collaboration Protocol for Training with Zamzam Hospital

Community Research Projects:

- The Department of Pharmaceutics and pharmaceutical technology conducted a field study as a part of **Pharmaceutical Technology II (PPD 402) course** for fourth-year students in the Pharm D program under the title of “Keeping your medications safe and effective: (A survey on shelf life and storage conditions)”.
- Ensuring the safety and efficacy of medications throughout their shelf life and under proper storage conditions is crucial for maintaining their therapeutic effectiveness. This study aims to explore practices and knowledge related to drug expiration dates and storage conditions. By understanding current practices and awareness levels, we can enhance education and promote best practices in medication storage, contributing to better health outcomes and ensuring patient safety.

Support for Students Who Are at Risk:

- Students who miss **25%** or more of practical sessions, or tutorials are warned twice via official letters sent to their addresses, students should attend **75%**, otherwise will be prevented from applying to final examination.
- Students who manage to provide a legal document indicating an acceptable excuse for missing 25% or more of practical sessions, or tutorials are allowed to attend the final examinations.
- According to the faculty bylaws the academic year is divided into two semesters, the students are informed with their grades of the first term examination maximum one week after the end of exams so those who are at risk of failure can work harder during the second term.
- After being informed with their grades, students are offered a reasonable period of time (2 weeks) during which they are allowed to submit complain to the dean’s office (if they are not satisfied with their grades), and their answer sheets are revised by control committee and course instructor, then they are informed of the results.
- The academic advisor can support students who are at risk in academic and social level.
- Motivate struggling students to engage with their professors to receive academic support and discuss their issues during designated office hours.
- Students are asked to prepare presentations, posters, or other assignments throughout the semester, which help them to get better marks through continuous course work evaluation.
- Students are graded every practical session in some departments, where the students submit the results of the practical experiment they performed and these results together with their performance during the practical session are evaluated. These grades are included in their final grade.
- Model answers of some quizzes/exams are displayed in the departments to inform the students with appropriate answers so they can estimate their average grade and can understand the scientific material better

- Student feed-back system is applied in all subjects.
- A committee has been formed to look after the students who are at risk to improve their academic situation.
- Determining the defaulting students who are at risk and studying their case separately to determine the extent of the possibility of evaluating their academic level so that they can graduate.

Disabled Students:

There are some specific facilities for them, due to their small number. However, the faculty takes this issue in consideration.

- Staff members and demonstrators give care and support to those students, in all aspects particularly in scientific issues. During the practical sessions and practical examinations, a demonstrator is appointed to help students with movement disability.
- The entrance of the building is designed to fit wheel chairs.

Support for Outstanding Students:

- **Scholarships:** Offer comprehensive scholarships to outstanding students.
- **Public Recognition:** Announce the names of top students on a dedicated board prominently displayed on the university buildings and on the colleges' websites.
- **Honor Ceremony:** Organize a recognition ceremony attended by large number of faculty top managements, staff members, and representation of syndicate, stakeholders and previous alumni, representatives of the non-academic staff and parents of the graduates. This event will honor top students across all levels, presenting them with certificates of appreciation and tangible gifts.
- **Special Recognition:** Provide special recognition for top students during graduation ceremonies.
- **Regular Meetings:** Hold regular meetings each semester between top students and university administration to discuss any academic or non-academic challenges they might be facing and find swift solutions.
- **Conference Participation:** Involve top students in scientific conferences and meetings organized by international organizations, as well as university events such as seminars and workshops.
- **Student Council Participation:** Include top students in university councils and committees.
- The first outstanding students are employed in the faculty as demonstrators according to a faculty annual plan.
- Rewards are given by professors in some departments to students who prepare the best presentation, poster or written report
- Excellent students are awarded prizes and certificate of appreciation on the pharmacy day which is held every year.
- The faculty follows up the field projects and divides them among the various departments of the faculty in fall and spring semesters, then nominates the best project to participate

in the discussion of research projects at the university level and follow the rehearsals with the course instructor and students to reach the best competitive presentation.

- **Program Reference Standards:**
  National academic reference standards for pharmaceutical studies, NARS 2017.

- **Availability and Adequacy of Program Handbook**
  - There is a student handbook (guide) to show the regulations and instructions of the faculty. This handbook is received by all first-year students.
  - The information supplied by handbooks is available on the faculty website.

- **Continuous Program Revision System**:
  Available through a special faculty committee, specially constructed for this purpose. [Curriculum and Program Development Committee]
  The committee construction is renewed whenever needed by adding new members, and approved by the faculty council.

G- Matching of the Program Academic Structure with competencies:

1- Matching with NARS

Sciences	NARS (%)	Faculty Curriculum (%)
Basic	**10.0 - 15.0**	**13.4**
Pharmaceutical	**35.0 - 40.0**	**36.6**
Medical	**20.0 - 25.0**	**22.7**
Pharmacy Practice	**10.0 - 15.0**	**11.6**
Health and Environmental	**5.0 - 10.0**	**5.8**
Behavioral and social	**2.0 - 4.0**	**2.3**
Pharmacy Management	**2.0 - 4.0**	**2.9**
Discretionary	**Up to 8.0**	**4.7**

2-Matching with Courses

Level	Semesters	Course code	Course title	FUNDAMENTAL KNOWLEDGE	PROFESSIONAL AND ETHICAL PRACTICE	PHARMACEUTICAL CARE	PERSONAL PRACTICE
First	Fall	PPD 101	Pharmacy Orientation	1.1.1 1.1.2 1.1.5			
		PPD 102	Medical Terminoloy	1.1.2			
		PCD 101	Pharmaceutical Analytical Chemistry I	1.1.1 1.1.3	**2.2.1** **2.2.4**		4.2.1 4.2.2

		PCD 102	Pharmaceutical Organic Chemistry I	1.1.1 1.1.2 1.1.3			4.1.1 4.2.1
		PCD 103	Mathematics	1.1.1			
		PCD 104	Information Technology I	1.1.1 1.1.6			4.2.2
		PGD 101	Human Rights and Fighting Corruption		**2.1.3**		
		PLD 101	Cell Biology	1.1.1			4.2.1 4.2.2
		UGA 03	Arabic Language Skills	1.1.1			4.2.1
		UGE 01	English (1)	1.1.2			4.1.2 4.2.1 4.2.2
	Spring	PPD 103	Physical Pharmacy	**1.1.1** **1.1.3**			
		PCD 105	Pharmaceutical Analytical Chemistry II	**1.1.1** **1.1.3**	**2.2.1** **2.2.4**		**4.1.2** **4.2.1** **4.2.2**
		PCD 106	Pharmaceutical Organic Chemistry II	**1.1.1** **1.1.2** **1.1.3**			4.1.1 4.2.1
		PGD 102	Medicinal Plants	1.1.2 1.1.3 1.1.4			4.1.2 4.2.1 4.2.2
		PLD 102	Anatomy and Histology	1.1.1	2.3.1	3.1.1	4.1.1
		PLD 103	Psychology	1.1.5			
		UGE 02	English (2)	1.1.2			4.1.2 4.2.1 4.2.2
Second	**Fall**	PPD 201	Pharmaceutics I	1.1.1 1.1.2 1.1.3	**2.2.2** **2.2.4**		
		PPD 203	Communication Skills	1.1.1 1.1.6			4.1.1 4.2.1 4.2.2
		PCD 201	Pharmaceutical Analytical Chemistry III	1.1.1 1.1.3			4.2.1 4.2.2

		PCD 202	Pharmaceutical Organic Chemistry III	1.1.1 1.1.2 1.1.3	**2.2.1**		4.1.1 4.1.2 4.2.1
		PGD 201	Pharmacognosy I	1.1.2 1.1.3 1.1.5			4.1.1 4.2.1 4.2.2
		PMD 201	General Microbiology & Immunology	1.1.1		3.1.1 3.1.3 3.1.4	4.1.2
		PLD 201	Physiology & Pathophysiology			3.1.1 3.1.4	4.1.2 4.3.2
	Spring	PPD 202	Pharmaceutics II	1.1.1 1.1.2 1.1.3	2.2.2 2.2.4		
		PCD 203	Instrumental Analysis	1.1.1. 1.1.2 1.1.3 1.1.7			4.1.2 4.2.1
		PCD 204	Electroanalytical Methods	1.1.1 1.1.3	2.2.4		4.1.2 4.2.2
		PGD 202	Pharmacognosy II	1.1.2 1.1.3 1.1.4 1.1.6			4.1.2
		PMD 202	Parasitology and Virology	1.1.1		3.1.3 3.1.4	4.1.2 4.2.2
		PLD 202	Pathology	1.1.1		3.1.4	4.1.2
		PLD 203	Biochemistry I	1.1.1	2.3.1		4.1.1
		PND 201	Biostatistics	1.1.1	2.2.4		4.1.1 4.2.2
Third level	**Fall**	PPD 301	Pharmaceutics III	1.1.3	2.2.1 2.2.4		
		PCD 301	Medicinal Chemistry I	1.1.1 1.1.3	2.2.1		4.1.2
		PGD 301	Phytochemistry I	1.1.2 1.1.3	2.2.3		4.1.1 4.1.2. 4.3.2
		PMD 301	Pharmaceutical Microbiology	1.1.3. 1.1.4		3.1.2 3.1.3 3.1.4 3.2.1	4.1.2

		PLD 301	Biochemistry II	1.1.1-	2.3.1	3.1.1 3.1.4	4.3.2
		PLD 302	Pharmacology I	1.1.4	2.2.4	3.2.1 3.2.4	4.1.1 4.1.2
	Spring	PPD 302	Biopharmaceutics and Pharmacokinetics	**1.1.5** **1.1.6**	2.2.4	3.2.5	
		PPD 303	Pharmaceutics IV	**1.1.3**	2.2.2 2.2.4		
		PCD 302	Medicinal Chemistry II	**1.1.1 - 1.1.4**	2.2.2		4.3.2
		PGD 302	Phytochemistry II	1.1.3- 1.1.4	2.2.3		4.11 - 4.1.2 - 4.3.2
		PMD 302	Medical Microbiology	1.1.1 - 1.1.2		3.1.3- 3.1.4	4.1.2 -4.2.2
		PLD 303	Pharmacology II	1.1.4		3.2.1	4.1.1-4.2.1
Fourth level	Fall	PPD 401	Pharmaceutical Technology I	1.1.1-1.1.7	2.2.2- 2.2.3-2.5.1-2.5.3		4.1.2
		PGD 401	Applied and Forensic Pharmacognosy	1.1.3-1.1.4	2.2.3		4.1.1-4.1.2-4.3.2
		PMD 401	Public Health	1.1.1-1.1.7	2.1.1	3.1.2-3.1.4	4.1.2-4.2.1
		PLD 401	Pharmacology III			3.2.1-3.2.4	4.1.1-4.3.2
		PLD 402	Clinical Biochemistry	1.1.1-1.1.3		3.1.1- 3.1.4	4.2.2
		PND 401	Drug Information	1.1.5-1.1.6	2.4.3-2.5.2		4.2.1
		PND 402	Pharmaceutical Legislations and Regulatory Affairs	1.1.1-	**2.1.1**		
		PMD 402	English (3)	1.1.1	2.1.1-2.1.2		4.1.1-4.1.2-4.2.1

	Electives						
	Spring	PPD 402	Pharmaceutical Technology II		2.2.3		
		PCD 401	Drug Design	**1.1.1-1.1.4**	2.2.4		4.3.2
		PLD 403	Toxicology and Forensic chemistry	1.1.2	2.4.4	3.2.1	4.1.1-4.1.2
		PND 403	Clinical Pharmacokinetics		2.2.4-2.4.3		**4.1.2**
		PND 404	Hospital Pharmacy	**1.1.1-1.1.3**	**2.2.2-2.2.3-2.3.2**		
		PND 405	Community Pharmacy Practice	1.1.1	2.4.3	3.2.1	
		PCD 402	Information Technology II	1.1.6-	2.2.4-2.5.5		4.1.2-4.2.2
		PMD E03	Clinical immunology	1.1.1		3.1.4	4.1.2
Fifth year	**Fall**	PPD 501	Good Manufacturing Practice	1.1.3-1.1.7-	2.2.2		4.1.1
		PCD 501	Analytical Quality Control of Pharmaceuticals	1.1.3	2.2.1-2.2.2-2.2.3-2.2.4		4.2.1- 4.2.2
		PGD 501	Phytotherapy and Aromatherapy	1.1.2-1.1.4		3.2.3	4.2.1- 4.2.2
		PMD 501	Biotechnology		2.2.1-2.2.3-2.2.4-2.3.1		4.2.2-4,3,2
		PMD 502	Clinical Research, Pharmacoepidemiology and pharmacovigilance	1.1.1-1.1.6	2.5.1-2.5.3	3.2.2	4.1.2

		PND 501	Clinical pharmacy I	**1.1.2-1.1.4**	**2.2.4-2.4.3**	3.2.1	**4.1.2**
		PPD 502	Communicatio n Skills II	1.1.1-1.1.6			
	Spring	PPD 503	Advanced Drug Delivery Systems	1.1.5 - 1.1.6	2.3.1	3.1.1	
		PLD 501	Drug interaction			3.2.1-3.2.4	4.1.1 - 4.3.2
		PLD 502	First Aid	1.1.1	2.4.2		4.3.2
		PND 502	Marketing and Pharmacoecon omics	**1.1.1-1.1.2**	2.6.1-2.6.2		4.1.2-4.2.1
		PND 503	Clinical Pharmacy II and pharmacother paeutics			**3.1.4-3.2.2**	**4.1.2-4.3.2**
		PND 504	Professional Ethics		2.1.2 - 2.1.3		4.1.2-4.2.1
		PND 505	Entrepreneurs hip	1.1.1	2.1.1-2.6.2		**4.1.2-4.1.3-4.2.1-4.2.2**
		PND 506	Scientific Writing	1.1.2-1.1.4-1.1.6	2.5.2	3.2.5	4.2.2-4.3.2
Electives		PND E02	Management of critical care patient	1-1-1 1.1.5 1.1.6	2-2-4		4-1-2 4-2-1 4-2-2
		PMD E04	Mycology	1.1.2	2.4.4	3.1.3 3.1.4 3.2.1	4.1.2
		PLD E01	Pharmacother apeutics for Special Population (Elective)			3.1.4 3.2.2	4.1.2 4.3.2
		PPD E01	Cosmetics Preparations (Elective)	1.1.1 1.1.2 1.1.3 1.1.4	2-1-2- 2-2-1 2.2.2		4.1.1 4.1.3
		PMD E01	Environment and sustainability	1.1.1	2.3.2 2.4.4	3.1.2	4.1.2

		PCD E01	Chromatography and Separation		2.2.1 2.2.3		4.1.2 4.2.2
		PLD E05	**Complementary and Alternative Medicine**	1.1.1 1.1.3		3.1.1 3.2.3	4.2.2

- **Administrative Constrains:**

The administrative structure is central, which may help achieving the faculty requirements.

H- Students Evaluation for measuring the competencies:

- **Assessment methods**
  - Teaching, learning and assessment strategy matches competency-based blended learning. It contains various new assessment methods including.

Methods of evaluation are updated and tailored to be able to measure competencies that should be achieved and to meet the requirements of the new teaching and learning strategy of blended learning
Written exams
Oral exams
Laboratory exams
Supervised E-Quizzes
Assignments
Discussion forum
Field Project
Objective Structured Clinical Examination (OSCE)
Objective Structured Practical Examination (OSPE)
Self-assessment
Peer-assessment
E- Portfolio for each student

- The final grade awarded to student in a course is usually based on the total grades of the course work, practical, written and oral exams according to the table of the study plan.
- The passing percentage of any course should not be less than 60% of the total marks of the course and the student should not get at least 30% in the final written exam.
- Assessment methods in the faculty are mostly compatible with those criteria needed for evaluation of LO's for each course.
- Examiner boards consist of staff members sharing in teaching the course and any staff member that has a relative of the 4th degree in an academic year in the faculty is excluded from the examiner board of this year.
- Clear rubrics for evaluation of any exam are clearly announced to the students.

Schedule for students' evaluation:

According to the university calendar:

Fall 2023/2024:

- **Interactive learning activities/practical or tutorial activities:** Throughout the semester.
- **The mid-term exam:** 8th week.
- **The practical exam:** 15th week.
- **Final exams:** 16/17th week
- **4 Quizzes** are held on week 5 and 11 (according to the academic calendar) and other 2 weeks decided by the staff members.

Spring 2023/2024:

- **Interactive learning activities/practical or tutorial activities:** Throughout the semester.
- **The mid-term exam:** 8th week.
- **The practical exam:** 16th week.
- **Final exams:** 17/18th week
- **4 Quizzes** are held on week 5 and 12 (according to the academic calendar) and other 2 weeks decided by the staff members.

- Final grades are announced shortly after the end of exams and uploaded on the faculty web site, any student has the right to review his grades after filling complain application form, this process is monitored, the responsibility of this process is taken by the Vice-Dean of education and students affairs.

I- Learning resources

➢ **Staff members to students' ratio: or Adequacy of academic staff members:**

- The actual ratio of staff members to students is 1:١٦ which indicated that there is an extra number of staff members who can teach post graduate courses or courses in other faculties in the same specialization in the university.

➢ **Matching of Faculty Members' Specialization to Program Needs:**

- All faculty members are specialized at the field they teach and are at least Ph.D. holders. Faculty assistants are either Master holders or preparing for the Master. All faculty members are research active, in addition to an agreement by university with FLDC department in Alexandria university to offer promotion and training accredited courses to staff members.

➢ **Adequacy of Library Facilities**:

For students:

- The central library is now at the new building supplied with high level facilities.

- The library contains many scientific books as well as some scientific references and 9 computers with an access to the internet in addition to a free wireless internet to allow all students to use their own laptops.
- Announcement about registration to the Egyptian Knowledge Bank (EKB) is available in the library. And access is guaranteed through the computers

For staff members and their assistants:

- It contains scientific books of interest to the members of the teaching staff, but no periodicals are available for researchers and postgraduate students, Periodicals are now available via EKB
- Two librarians are devoted to library and supplying information.
- There is one library computer operated by the library specialists, where books and references information are available.
- Lighting and ventilation of the library are good.
- The area in the library is adequate to the number of students at the mean time.

➢ **Adequacy of Laboratories:**

- Specialized labs are available according to the various departments of the faculty for the students and the researchers.
- The staff members of the faculty and their assistants exert a lot of effort to organize the work inside the labs to suit the needs of the students.
- The process of education and training within the labs is characterized by accuracy and efficiency.
- The technical staff of all labs is highly qualified and they attend special training workshops for maintenance and optimum safety of the labs.

➢ **Adequacy of Computer Laboratories (Dry Labs):**

- Specialized two dry labs are available each of area 136 and 87 m^2 respectively.
- Each lab is equipped with 86 computers, connected to the internet in addition, they are supplied with data show, Audio-visual devices, LCDs as well as the suitable software
- Two computer labs were established in the ground floor of Faculty of Pharmacy, the area is as follows 70, and 105 m^2. They possess 64 computers connected to the Internet, through which it is possible to access global databases so that the student can use them for scientific research, carrying out study tasks and training on the use of technology in serving patients and applying Fundamentals of clinical pharmacy.

➢ **Adequacy of Animal House:**

- Air-conditioned building consists of four rooms equipped with shelves to accommodate the animal cages.
- Male & female “Sprague Dawley” rats of different weights are available
- The technical staff of the animal house is highly qualified to ensure optimum care, life support, nutrition, reproduction and hygiene of the animals.

- **Adequacy of Research laboratories:**
  - Central Lab for the scientific instruments. Separated six research labs are available each of area 31 m^2. Two preparation rooms each of area 14 m^2 each, respectively.
  - The faculty is interested in strengthening the infrastructure of scientific research and therefore has been keen to establish and equip the “Pharmaceutical Nanotechnology Research Lab” (PNRL), (110 m^2) which was opened in February 2019, it is now highly equipped

- **Adequacy of Computer Facilities:**
  - All study rooms are supplied with computer and data show.
  - There are 9 computers available to students in the library, connected to the internet.
  - All heads of the departments have computers equipped with printers.
  - Staff members and their assistants can get access to the internet, either by DSL or wireless connections available in the university.
  - Computer courses are university requirement courses for all students.

- **Adequacy of Field / Practical Training Resources**

  - Summer training is obligatory for junior students: in house summer training inside the educational pharmacy specially constructed in the faculty. Training also extends to community pharmacies (100 hrs). The training program is held under the supervision of faculty staff members and their assistants and evaluated according to the approved summer training LOs.

  - **Adequacy of Any Other Program Needs:**
    - A well-established bylaw program for master degree in pharmaceutical sciences, for Department of Pharmacology and Therapeutics, Department of Pharmaceutical chemistry, Department of Pharmaceutics and Pharmaceutical technology as well as program for diploma of higher studies in hospital pharmacy. Such bylaws are accredited.

    - "International Publication and Nanotechnology Consultation Center” (INCC) for pharmaceutical and non-pharmaceutical specialties, is considered as the first academic service center at Alexandria Universities that provides free consultation and follow-up for international publication at all stages of different specialties and consultations related to all kinds of pharmaceutical nanotechnology researches.
    - In addition, international publications and patents were achieved as a result of INCC research agreements.

    - The INCC was given an approval of the Postgraduate Studies university Council to construct Nanotechnology research team that is composed of head of INCC together with researchers from Pharos university in Alexandria and from other universities. They work all together to establish research cooperations as well as research projects.

J- Quality Management:

- **Availability of Regular Evaluation and Revision System for the Program:**

- An internal auditing committee headed by program coordinator has been established to evaluate and revise the educational program.
- Questionnaires are distributed to a sample of students from different levels to evaluate the courses, questionnaires to evaluate the program is distributed for graduates and Stakeholders. The QAU informs the course coordinator and head of departments about the statistical analysis of the results of students' questionnaires (student opinion in the course and the assistant staff members teaching the course) and students' remarks in order to make the appropriate action plan. Moreover, the quality assurance center informs the course instructors with the statistical analysis of the results of students' questionnaires (student opinion in the course and staff members teaching the course) and students' remarks in order to make the appropriate action plan.
- The faculty adopted the National Academic Reference Standards 2017 (Competency-Based NARS 2017) and took all actions to build a competency-based curricula. This program will allow the student to acquire all the skills and competencies needed in the future work place.
- Follow-up spreading awareness about the National Academic Reference Standards 2017 (NARS-2017).
- Course specifications and matrices of all departments were updated and reviewed by the Quality Assurance Unit and approved in the department councils in order to be in line with the new teaching, leaning & assessment strategy in addition to competency-based learning.
- The Quality Assurance Unit reviewed the course specifications of fall and spring semesters courses for academic year 2023/2024.
- The Quality Assurance Center's Performance Follow-up Committee examined the course files for the academic year 2023-2024 semesters. Technical support committee was established to follow up the course files with low grades for justice confirmation.
- As part of the follow-up of the Quality Assurance Unit for the exam and control work, the Control Review Committee was assigned to evaluate the control files of the different levels.
- The head of departments also carried out a technical and formal examination of the exam paper for the academic year 2023-٢٠٢4 and prepared a report regarding this examination which was approved in the faculty council.
- The Quality Assurance Unit, in cooperation with the Alumni Committee, and under the supervision of Prof. Dr. Maged Elghazoly, Dean of Faculty of Pharmacy, created google forms to collect graduate information and their suggestions for improving programs to cope with the requirements of the labor market and we aimed to know what are the workshops do they need so we can plan for establishing them.

- **Effectiveness of Faculty and University Laws and Regulations for Progression and Completion:**

- The laws and regulations for progression and completion are clear and stated in the bylaws for the undergraduate students, faculty of Pharmacy, Pharos University in Alexandria. It is announced in the student handbook and on the web site of the faculty.
- Forming control committees for each academic semester so that the formation does not conflict with the relatives of the teaching staff members of the faculty, as well as emphasizing the lack of supervision or participation of the faculty member in preparing the examination paper or following up the grades of the course work in case that a relative is present in the academic year, and that to ensure that there are no conflicts of interest.

- **Effectiveness of Program External Evaluation System**:

- External reviewer (Professor Dr. Salwa Elmeligy) evaluated and revised the educational programs as well as course specifications and matrices of these programs and the reports were approved by different departments and faculty councils (academic year 2019/2020).

- **Faculty Response to Student and External Evaluation:**

- The faculty responded positively, revision of some courses according to the opinion of students, stakeholders, and according to the points mentioned in the program coordinator report will be considered in the action plan.
- All course specifications were modified according to all revision processes done.

K- Proposals for Program Development

- **New Courses:**

The faculty adopted and applied the program “Bachelor In Pharmacy Pharm D, through which it adopts the National Academic Reference Standards 2017 (Competency-Based NARS 2017). It consists of new courses and practical training hours in all pharmaceutical fields either private or governmental. This program will allow the student to acquire all the skills and competencies needed in the future work place. So, New courses of these bylaws were opened and applied for Senior students in the fall and spring of the academic year 2023/2024

- **Electronic Learning:**

- Blackboard collaborate platform is used through which each faculty member can store and save lectures in archive, students can communicate with faculty and staff through chatting. Online assignments also allow students to write their opinions and ideas to faculty members through feedback and many other features.
- The Committee carried out a weekly follow-up of teaching on the Blackboard platform and submitted the weekly report to the Dean of the College. The Committee is coordinating with the University Follow-up Committee to amend any observations

- **Blended Learning:**
  - In both Fall and Spring semesters 2023/2024, all lectures and practical/tutorial sessions were given on campus according to the prepared timetables but with aid of using blackboard collaborate platform to upload lectures/practical/tutorial notes, also to discuss questions with students and upload extra learning sources.
  - Blended learning was applied for both semesters 2023/2024 through using non-traditional method of teaching; flipped classroom, brain storming, peer learning, videos, gaming and self-learning.
- **The role of the Curriculum and Program Development Committee:**
  - Faculty of Pharmacy students participated in the Pharmaconix Exhibition and Conference on 3-5/9/2023, which was held at the Exhibition Grounds in New Cairo, with participation of over 250 companies from over 20 different countries in the different pharmaceutical fields.
  - Honoring the first students who attended The Egyptian Medicine Authority's courses And selecting ten of them to attend more scientific and professional courses that organized by The Egyptian Medicine Authority.
  - A team from Faculty of Pharmacy Students Participated in the Egypt Entrepreneurship Rally Competition and qualified for the final stage to join 64 teams from various Egyptian universities.
  - Students participated in the 4th International Conference of the Faculty of Pharmacy, Pharos University "Perspectives in Pharmaceutical Sciences, "Digitalization and Sustainability" (ICPPS-2024).
  - Faculty of Pharmacy Students participated in Virtual lecture entitled "Alkaloid: chemistry pharmacology and current research" for Junior students in course (Phytochemistry II PGD 302).
  - With the participation of Faculty of Pharmacy Students, The Faculty hosted Professor Mahmoud Soliman, Professor of Pharmaceutical Sciences, College of Health Sciences, University of KwaZulu-Natal, South Africa, to present a lecture entitled "Drug targets, receptors and enzymes" in the course of "Drug Design" (PCD401) on Tuesday 4/16/2024.
  - The Faculty hosted Dr. Hadziliana Zainal, Lecturer of Clinical Pharmacy, Faculty of Pharmaceutical Sciences, Universiti Sains Malaysia (USM), to present a lecture entitled Population Pharmacokinetics and Pharmacokinetics in Hemodialysis in the Clinical Pharmacokinetics Course (PND 403) in the twelfth week of studies on Tuesday 4/30/2024.
  - The Faculty hosted Dr Craig Russell as a member of the faculty of the School of Pharmacy, Aston University In England, to present a virtual lecture entitled 'Cancer targeting' in the Advanced Drug Delivery System (PPD 503) course on Thursday 5/16/2024.
  - The Faculty hosted Dr Charlene Pially, lecturer of biotechnology and nutritional sciences at the University Durban Technology in South Africa to present a virtual lecture entitled 'Enzyme technology' in the course Biotechnology PMD 501/Pharmaceutical biotechnology on Tuesday 5/14/2024

- . Dr. Noor Hafzan, School of Pharmaceutical Sciences, University Sains Malaysia (USM), visited The Faculty of Pharmacy from 4/20/2024 to 4/27/2024. She taught lectures, practical in the course PND 404 in the Department of Clinical Pharmacy and Pharmaceutical Practice and presented a mini training course as an applied activity on how to develop professional skills and how to cooperate in public and private pharmacies.

➢ **Training and Skills:**

- Improving the tutorials and practical sessions of many courses by increasing computer based training sessions and ensuring the availability of different resources needed for such improvement.

Summer training for academic year 2023/2024

➢ **Community pharmacy training:**

- 127 Junior PharmD students are currently trained in community pharmacy for 100 hours according to the by-law.
- Students will subject to a mandatory practical training program in the workplace that includes 6 rotational training courses in different workplaces, the duration of each course is 6 weeks with a total of 36 weeks (academic year).
- 16 Regular pharmacy students are currently trained in community pharmacy for 120 hours as substitute training.
- There are 13 pharmacy training supervisors are responsible for receiving students' training schedule, making random 2 video-call evaluation for each student using Blackboard recording, oral evaluation of booklet, and computer post-test on the final evaluation day on week zero of the Fall semester 2023-2024.
- **6th year obligatory training**

• Students will subject to a mandatory practical training program in the workplace that includes 6 rotational training courses in different workplaces, the duration of each course is 6 weeks with a total of 36 weeks (academic year).

- Diversity of the faculty from its educational, research and service activities directed to the development of the environment and community service and priorities such as the completion of agreements and partnerships with industry and the surrounding community, capacity-building, continuous professional development of specialization, applied scientific research, consultations and training programs, therapeutic and educational convoys and solving community problems, etc.

- Workshops were also held for both faculty members and the assisting staff to improve their skills needed in the teaching and learning process. Workshops were through the Education and Development Center (EDC) such as (The optimum Teaching Strategy for a Course, Sustainability in Education, Scientific Writing, Blended Learning, SPSS Statistical Analysis Workshop, Stress Management tools for creating achievements, Successful Publication Strategies, Creating Interactive Digital Course, etc…)

- During 2023/2024, the field project was carried out in the following course: Pharmaceutical Technology II PPD 402

- Many field visits were done to link the theoretical and practical side such as (**Many field visits** were done to link the theoretical and practical side such as:
  - **Visit to Vitabiotic Pharmaceutical Industries**
  - **Visit to Medizen Pharmaceutical Industries**
  - **Scientific Visit to Isis (Sekem) Company**
  - **Visit to Mazhar Botanical Garden**
  - **Attendance at Pharmaconix 2023 Exhibition and Conference**
  - **Training at Medical Professions Company**
  - **Training** at Alexandria Pharmaceutical Industries
  - **Arab Company for Medicines and Medicinal Plants (MEPACO)**
  - **Collaboration Protocol for Training with Mahfouz Pharmacies.**
  - **Collaboration Protocol for Training with Zamzam Hospital**.

- Encouraging students to join many workshops at the Entrepreneurship Center such as

م	اسم ورشة العمل	التاريخ
١	Time Management	24/10/2023
٢	Financial Statement and Business Decision	12/12/2023
٣	Team Building	19/12/2023
٤	Team Building	18/2/2024
٥	How to finance your project	27/2/2024

Examination System:

- The final grade awarded to student in a course is usually based on the total grades of the course work, practical, written and oral exams according to the table of the study plan.

- The passing percentage of any course should not be less than 60% of the total marks of the course and the student should not get at least 30% in the final written exam. Reviewing exams by the Curriculum Development Committee represented by each department head to ensure the diversity of questions and their coverage of all parts of the curriculum with their suitability for the time specified for each exam, and supervising the conduct of substitute examinations

- Establishing an integrated electronic control to ensure the accuracy of the results and proper monitoring, then handing it over to the faculty's control to work within the framework of the university's requirements

- Discussing the results of the audit work done by the result revision committee to approve it.

➢ **Others:**

- The success rates in the spring semester were studied and the numbers of those who failed in each course were counted, which helped to develop a study plan for the summer semester to open many courses to allow students to complete the courses they failed.

Suggestions for Improving the Program:

Action plan	Responsibility	Timing
• Implementing more interactive learning, Flipped, brainstorming problem-solving activities and assignment/ illustrating videos. • Using simulation program exercises. • Updating the course content to keep it constantly up to date. • Updating practical and tutorial contents • Increasing student activities in the tutorials. • Increasing questions that require critical thinking in quizzes and final exam. • Using computer applications and software. • Increasing of e-learning resources and practical applications • Applying "Role Play" as a teaching methodology • Reformulating questions in a way as case studies in laboratory & other cases of calculations • Continual training on prescriptions and problem- solving and more training on written short questions & problems. • Implementation of learning & other strategies mentioned in Teaching and learning strategy of the faculty. • Making site visits as for example to a water treatment unit in Alexandria. • Keep field visit to Clinical pharmacy department in different hospitals. • adding more applied clinical virtual activities.	Course Instructors	Fall/spring 2024-2025
• Increase number of water baths in laboratories • Updating reference book available in the library	إدارة المشتريات	Fall/ spring 2024-2025
• Maintenance of microscopes.	ادارة الصيانة	Fall/ spring 2024-2025

Program coordinator

Dr. Rasha ElBayaa

Dean of Faculty

Prof. Dr. Maged Elghazoly

Head of Quality Assurance Unit

Ass. Prof. Sherihan SalahEldin

مرفق: مجلس كلية لإعتماد تقرير برنامج بكالوريوس
الصيدلة فارم دي

محضر اجتماع مجلس كلية الصيدلة

(يوم الأثنين الموافق 23 سبتمبر 2024)

اجتمع مجلس كلية الصيدلة يوم الاثنين الموافق 23/9/2024 فى تمام الساعة الحادية عشر ظهرا بقاعة مجلس الكلية وبرئاسة أ.د/ **ماجد الغزولى** عميد الكلية ورئيس قسم العقاقير والنواتج الطبيعية وبحضور كل من:-

1. أ.م. شريهان صلاح الدين	القائم بأعمال وكيل الكلية لشئون التعليم والطلاب
2. أ.د. ريم حجاج	رئيس قسم الكيمياء الصيدلية
3. أ.م. احمد النوبى	القائم بأعمال رئيس قسم الاحياء الدقيقة والمناعة
4. أ.م. نسرين المزين	القائم بأعمال رئيس قسم الادوية والعلاجيات
5. أ.د. رشا البياع	استاذ بقسم الكيمياء الصيدلية
6. أ.د. يسرا النجار	استاذ بقسم الصيدلانيات والتقنية الصيدلية
7. أ.م. نهى السلامونى	عن الاساتذة المساعدين
8. أ.م. منى عبد المنعم	المرشد الاكاديمى العام
9. أ.م. ايناس مسعود	مدير وحدة ضمان الجودة بالكلية
10. د. امانى رمضان	المدير التنفيذى لوحدة التدريب (الامتياز)
11. د. نانسى ابو يوسف	مرشد التدريب العام (الامتياز)
12. د. داليا الشيخ	عن المدرسين

وقد اعتذر عن الحضور كلا من:

أ.د.رشا عبد العزيز شعلان	**وكيل الكلية للدراسات العليا والبحوث**
أ.د. رجوى محمد فريد	**رئيس قسم الصيدلانيات والتقنية الصيدلية**
أ.م. سمر الجناينى	**القائم بأعمال رئيس قسم الصيدلة الاكلينيكية**
ا.د. هند حسين	**أستاذ بقسم الأدوية والعلاجيات**
د. محمد انسى الشافعى	**نقيب صيادلة الاسكندرية**
د. محمد السوهاجى	**مدير شركة ابيكو بالاسكندرية**

استهل سيادة العميد الجلسة بالترحيب بأعضاء المجلس.

وقد ناقش المجلس الموضوعات الأتية:

الموضوع الأول: التصديق على محضر مجلس الكلية السابق بتاريخ 8/9/2024

القرار: صدق المجلس على محضر مجلس الكلية السابق.

الموضوع الثاني: تعيين امين لمجلس الكلية.

القرار: وافق المجلس على تعيين د/ داليا الشيخ على (مدرس بقسم العقاقير الطبية) أميناً للمجلس.

الموضوع الثالث: اعتماد الجدول الدراسى الخاص بمقررات برامج البكالوريوس – الدراسات العليا لفصل الخريف 2024-2025.

القرار: اعتمد المجلس الجدول الدراسي الخاص بمقررات برامج البكالوريوس – الدراسات العليا لفصل الخريف 2024-2025.

الموضوع الرابع: اعتماد نتيجة الفصل الصيفى 2023- 2024 واعتماد جدول الامتحانات البديلة .

القرار: اعتمد المجلس نتيجة الفصل الصيفى 2023- 2024 وكذلك جدول الامتحانات البديلة .

الموضوع الخامس: الموافقة على انتداب اعضاء هيئة التدريس للاقسام التى بها نقص فى توزيع الجدول الدراسى .

القرار: وافق المجلس على انتداب اعضاء هيئة التدريس للاقسام التى بها نقص فى توزيع الجدول الدراسى.

الموضوع السادس: تشكيل مجلس وحدة التدريب الأجبارى (الامتياز)

القرار: وافق المجلس على تشكيل مجلس وحدة التدريب الأجبارى (الامتياز) والذي يضم :-

- ا.د/ ماجد الغزولي (رئيساً لوحدة التدريب).
- أ.م. شريهان صلاح الدين (القائم بأعمال وكيل الكلية لشئون التعليم والطلاب ونائب رئيس وحدة التدريب الإجباري).
- د. امانى رمضان (المدير التنفيذى لوحدة التدريب (الامتياز).
- د. نانسى ابو يوسف (مرشد التدريب العام (الامتياز).
- أ.م.منج منج (مشرف التدريب الصيفي).
- أ.د.رشا عبد العزيز شعلان (وكيل الكلية للدراسات العليا والبحوث).
- أ.د. ريم حجاج (رئيس قسم الكيمياء الصيدلية).
- أ.د. رجوى محمد فريد (رئيس قسم الصيدلانيات والتقنية الصيدلية).

- أ.م. سمر الجنايني (القائم بأعمال رئيس قسم الصيدلة الاكلينيكية).
- أ.م. احمد النوبى (القائم بأعمال رئيس قسم الاحياء الدقيقة والمناعة).
- أ.م. نسرين المزين (القائم بأعمال رئيس قسم الادوية والعلاجيات).
- أ.م. إيناس مسعود (مدير وحدة ضمان الجودة).

الموضوع السابع: انجازات وحدة التدريب الإجباري (الامتياز) وتوزيع طلاب الفرقة السادسة واعضاء هيئة التدريس على الدورات.

القرار: استعرض المجلس ما تم بشأن التدريب الإجباري وهو برنامج للتدريب العملى الإلزامى فى مواقع التدريب المختلفة (المستشفيات – المصانع- الصيدليات) ويشمل عدد 6 دورات تدريبية تناوبية فى أماكن العمل المختلفة ، مدة الدورة الواحدة 6 أسابيع بإجمالى 36 اسبوع (عام أكاديمى). ويحقق البرنامج التدريب التطبيقى و الممارسة الفعليه للمهنة فى مواقع العمل الصيدلى المختلفة ، و يعتبر الطالب مؤهلاً للحصول على ترخيص ممارسة المهنة بعد اجتياز التدريب الإجباري (الإمتياز) بنجاح هذا بالإضافة إلى توزيع طلاب الفرقة السادسة واعضاء هيئة التدريس على الدورات.

الموضوع الثامن: تعيين 8 من اعضاء الهيئة المعاونة و2 اعضاء هيئة تدريس وتوزيعهم على الأقسام العلمية .

القرار: وافق المجلس على تعيين 8 من اعضاء الهيئة المعاونة (اثنان من المدرسين المساعدين، وستة من المعيدين) وتوزيعهم على الأقسام العلمية لبرنامجي فارم دي و فارم دي (صيدلة إكلينيكية) ، و2 اعضاء هيئة تدريس (د. راندا مصطفى الشاذلى قسم الأدوية و العلاجيات و أ.م هبة الله يس قسم الصيدلة الإكلينيكية)، وذلك وفقاً للخطة الثلاثية والتي تقتضي تعيين أعضاء الهيئة المعاونة من أوائل الخريجين بحيث يتم تعيين 20 معيد سنوياً وذلك للعام الجامعي 2025/2026 &2026/2027 &2027/2028 لسد العجز وبما يتواكب مع زيادة عدد الطلاب.

الموضوع التاسع: الالتزام بتعليمات المحاضرة الاولى الخاصة بالمقرر الدراسى من حيث المحتوى وتوزيع الدرجات والامتحانات وغيرها .

القرار: وجه المجلس إلى ما يلي:

1. رفع المادة العلمية بشكل دورى على منصة البلاك بوردweek by week.

2. لابد من كتابة ميعاد مكان المحاضرة على المنصة و إدراج الساعات المكتبية لكل عضو هيئة تدريس.
3. رفع week0 والذى يشمل على الساعات المعتمدة للمقرر و الهدف العام و نواتج التعلم المستهدفة ، أسماء أعضاء هيئة التدريس/الهيئة المعاونة و الساعاتهم المكتبية، محتوى المقرر أسبوعياً، أساليب التقويم و مواعيد التكليفات و الاختبارات للطلاب، المراجع العلمية.
4. التنمية المستدامة و إدخالها بالمقررات الدراسية و توصيفات المقررات.
5. إستضافة خبراء من سوق العمل لإعطاء محاضرات و ذلك لإثراء المقررات الدراسية.
6. التوسع فى الزيارات الميدانية للربط بين المقررات النظرية وسوق العمل.
7. تنشيط المحاضرات الدولية الإفتراضية بالتعاون مع مدير إدارة العلاقات الدولية.

الموضوع العاشر: إقامة اليوم التعريفى للطلبة الجدد يوم الثلاثاء الموافق1 من اكتوبر بالمسرح الطلابى.

القرار: أكد المجلس على ضرورة حضور السادة رؤساء الأقسام وأعضاء هيئة التدريس والهيئة المعاونة إلى اليوم التعريفى للطلبة الجدد يوم الثلاثاء الموافق1 من اكتوبر بالمسرح الطلابى.

الموضوع الحادي عشر: زيارة وفد من جامعة برلين من الفترة16 -24 اكتوبر2024 ورشة عمل عن Drug Design يوم3 -7 نوفمبر 2024.

القرار: وجه المجلس إلى استعداد الأقسام العلمية لزيارة وفد من جامعة برلين من الفترة16 -24 اكتوبر2024 ، ويأتي ذلك تفعيلاً للشراكة الدولية بين جامعة فاروس بالإسكندرية و جامعة برلين الحره حيث سافر 5 من أعضاء هيئة التدريس لمدة أسبوع إلى جامعة برلين للإطلاع على أحدث الوسائل التعليمية و البحثية الحديثة بالإضافة إلى سفر 5 من أعضاء الهيئة المعاونة للإنضمام إلى مشروع بحثى مدته 4 شهور والكلية الآن بصدد استقبال وفد من أعضاء هيئة التدريس من جامعة برلين الحرة في الفترة من 16 إلى 24/10/2024) و سوف يقام اليوم العلمى للأقسام بتلك الفترة وأيضاً سوف يقوم أعضاء الوفد بتدريس بعض المقررات الدراسية .

الموضوع الثاني عشر: اعتماد تشكيل لجان الكلية المختلفة للعام الاكاديمى 2024-2025

القرار: اعتمد المجلس تشكيل لجان الكلية المختلفة للعام الاكاديمى 2024-2025.

الموضوع الثالث عشر: اعتماد تشكيل الكنترولات لفصل الخريف 2024-2025.

القرار: اعتمد المجلس تشكيل كنترولات الفرق المختلفة لفصل الخريف 2024-2025 والذي يتمثل في:-

- أ.م.د/ نهى السلاموني (رئيساً لكنترول الفرقة الأولى).
- أ.م.د/ سمر بسام (رئيساً لكنترول الفرقة الثانية).
- أ.م.د/ نيفين لطفي (رئيساً لكنترول الفرقة الثالثة)
- أ.م.د/ عبير قاسم (رئيساً لكنترول الفرقة الرابعة).
- أ.م.د/ مروة عاطف (رئيساً لكنترول الفرقة الخامسة).

الموضوع الرابع عشر: تحديد الاقسام التى سوف تقوم بالمشاريع الميدانية .

القرار: أوصى المجلس بوضع آلية لتحديد وتحسين المشاريع الميدانية الخاصة بالاقسام العلمية المختلفة.

الموضوع الخامس عشر: التأكيد على التزام اعضاء هيئة التدريس بالتواجد بالكلية فى ايام العمل المقررة وعدم التغيب بدون سبب وخاصة المعينين الجدد.

القرار: أكد المجلس على ضرورة التزام اعضاء هيئة التدريس بالتواجد بالكلية فى ايام العمل المقررة وعدم التغيب بدون سبب وخاصة المعينين الجدد، كما أوصى المجلس بضرورة متابعة السادة رؤساء الأقسام العلمية لهذا الأمر.

الموضوع السادس عشر: **اشراف السادة رؤساء الاقسام على المقررات الدراسية التى تدرس بالقسم بحيث تكون متماشيه مع المحتوى العلمى للمقررات.**

القرار: أكد المجلس على ضرورة أن يشرف السادة رؤساء الاقسام على المقررات الدراسية التى تدرس بالقسم بحيث تكون متماشيه مع المحتوى العلمى للمقررات، كما أوصى المجلس أن تكون هناك آلية موحدة في الأقسام العلمية لمتابعة ذلك.

الموضوع السابع عشر: مراجعة الخريطة الزمنية للجامعة فى الفصل الدراسى 2024-2025.

القرار: أكد المجلس على ضرورة اتباع الخريطة الزمنية للجامعة فى الفصل الدراسى 2024-2025 والعمل بما جاء فيها.

الموضوع الثامن عشر: تقرير لجنة تطوير المناهج للعام الاكاديمى 2023/2024 و الذى تم عرضه بمجلس الجامعة.

القرار: اعتمد المجلس تقرير تطوير لجنة تطوير المناهج للعام الاكاديمى 2023/2024 و الذى تم عرضه بمجلس الجامعة.

الموضوع التاسع عشر: تفعيل دور لجنة التحول الرقمى وتكنولوجيا الذكاء الاصطناعى.

القرار: أكد المجلس على ضرورة تفعيل دور لجنة التحول الرقمى وتكنولوجيا الذكاء الاصطناعى.

الموضوع العشرون: موضوعات خاصه بالدراسات العليا.

القرار: اعتمد المجلس الخطط والجداول الدراسية الخاصة بطلاب الدراسات العليا خريف 2024-2025.

الموضوع الحادي والعشرون: موضوعات وحدة ضمان الجودة بالكلية.

ناقش المجلس واعتمد الآتى

نهاية عام 2023/2024:

1.تقرير البرنامج 2016
2.تقريرين عن الخمس سنوات لبرنامج بكالوريوس الصيدلة فارم دى وبكالوريوس الصيدلة فارم دي(صيدلة إكلينيكية).
3.التقرير السنوى المؤسسي 2023-2024.
4.مصفوفتي لبرنامج بكالوريوس الصيدلة فارم دى وبكالوريوس الصيدلة فارم دي(صيدلة إكلينيكية).
5.تقارير الاستبيانات العام الجامعي 2023-2024.
6.الخطة التصحيحية وخطة التحسين للاستبيانات من واقع تحليل النتائج
7.خطة التحسين من واقع الخطط التصحيحية للأقسام العلمية لفصل الربيع 2023-2024
8.الخطط التصحيحية وخطط التحسين من واقع نتائج الفحص الفنى والشكلي وفحص اعمال الكنترول
9.انجازات وحدة ضمان الجودة

لعام 2024/2025:-

1. الخطة السنوية للوحدة.
2. مهام نواب وحدة ضمان الجودة.
3. الهيكل التنظيمي للوحدة.
4. الهيكل التنظيمي للكلية.
5. تحديث استراتيجية التعليم والتعلم.
6. لجان الدراسة الذاتية.
7. مهام لجان الكلية.
8. خطة المراجعة الداخلية للوحدة.

9. خطة الدورات التدريبية لوحدة ضمان الجودة.
10. الخطة الاستراتيجية 2024-2029 لكلية الصيدلة.
11. الخطة التنفيذية للخطة الاستراتيجية لعام 2024-2025.
12. اعتماد خطة البحث العلمي 2024-2029 لكلية الصيدلة.
13. تشكيل لجنة متابعة تنفيذ الخطة التنفيذية للخطة الاستراتيجية لعام 2024-2025.
14. تشكيل لجنة إعداد وصياغة رسالة برنامج بكالوريوس الصيدلة فارم دي وبرنامج بكالوريوس الصيدلة فارم دي (صيدلة إكلينيكية) .
15. خطة خدمة المجتمع وتنمية البيئة لفصل الخريف 2024/2025

عرض ومناقشة:

16. استبيان الحاجات التدريبية التابعة لوحدة ضمان الجودة.
17. تعديل لائحة الصيدلة فارم دى حيث أنه تبين وجود خطأ بكود مقرر PND 202 prerequisite و تم تصحيحه ليصبح PMD 202 وهو مقرر prerequisite لمادة Clinical research pharmacoepidemiology and pharmacovigilance PMD 502.

انتهى المجلس فى تمام الساعة الواحدة ظهراً

أمين المجلس
د. داليا الشيخ على

عميد كلية الصيدلة
أ.د.ماجد الغزولى

تحريرا فى : 23/9/2024