



Operational Plan Report

PharmD Program

1445 H



Introduction

The PharmD program is a professional university degree offered by College of Pharmacy (COP), King Khalid University (KKU). This program is designed to provide knowledge, practical skills and competence to KKU COP students to enter the pharmacy profession. The program is also designed to provide the ever-changing dynamics of Pharmacy education and good manufacturing practice of pharmaceuticals; empower the graduate pharmacists with both the expert knowledge and practical experience to serve the community and offer expert advice on proper drug use and patient counseling. We integrate science and practice throughout the program, giving our graduates a sound understanding of how to apply the knowledge to solve clinical problems and work as an independent researcher in the field.

Procedures for Developing the Plan:

1) The Committee and Responsibilities

| Serial number | Name | Title |
|---------------|--------------------------|--------|
| 1. | Dr Taha Alqahtani | Chair |
| 2. | Dr Ali Alamri | Member |
| 3. | Dr Adel Al Fatease | Member |
| 4. | Dr Hamdy Abdelkader | Member |
| 5. | Dr Noohu Khan | Member |
| 6. | Dr Rajalakshmi Vasudevan | Member |

2) Committee Tasks

1. Develop an Operational Plan for the PharmD Program
2. Monitor the Implementation of the Operational Plan
3. Prepare an Annual Report on the Progress of the Operational Plan's Implementation

3) Foundational Sources for the Operational Plan

1. The King Khalid University Strategic Plan
2. The College of Pharmacy Strategic Plan
3. The Annual Reports of PharmD Program

4) Setting the Plan's Objectives

The objectives delineated in this operational plan have been meticulously designed to harmonize with the university's vision, mission, and strategic objectives for the academic year 1445 H. Comprehensive elaboration on these objectives is provided in the subsequent sections.

University Vision, Mission, and Goals

Vision

A globally leading university committed to human empowerment, regional development, and economic enhancement.

Mission

To provide an academic environment conducive to teaching, learning, scientific research and social contribution through optimal utilization of our resources.

Goals

1. Improve the quality of teaching and learning
2. Providing an attractive academic environment
3. Promote effective partnership with the community
4. Supporting and developing scientific research
5. Postgraduate development
6. Development of institutional performance
7. Development of financial resources

College of Pharmacy Vision, Mission, and Goals

Vision

To accomplish national and international recognition for excellence and innovation in pharmacy education, scientific research, and community service.

Mission

Graduating pharmacists capable of playing an effective and efficient role within the health care professional team to serve the community through direct patient care, scientific research and community engagement.

Goals

- 1- Improve the quality of pharmacy education and practice
- 2- Recruit, develop, and retain distinguished faculty members to improve education and research
- 3- Promote educational environment and cooperation among pharmacy and other health care disciplines
- 4- Accommodate with the organization administrative processes and measures to provide support to the academic programs
- 5- Encourage high impact scientific research, postgraduate education, and enrich resources.
- 6- Provide high quality continuous pharmacy education and excellent pharmaceutical services to the community.

Program (PharmD) Mission, and Goals

Mission

Provide a professional education that prepares students with competencies and skills to practice effectively in a wide variety of existing and future roles in patient-centered care, research and community services.

Goals

- 1- Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements
- 2- Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences
- 3- Foster values and skills of the graduates that promote collaborations with other health care providers to enhance community services and public health awareness.

Alignment Matrix Table between the Operational Plan Objectives for the Program and the University's Strategic Goal

| University Strategic Objectives | College of Pharmacy Strategic objectives | Program Strategic Objectives | Integration and consistency between goals |
|--|--|---|---|
| Improve the quality of teaching and learning | Recruit, develop, and retain distinguished faculty members to improve education and research | Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements | There is a complete consistency between strategic goal of the University, college, and the program goals. |
| Providing an attractive academic environment | Promote educational environment and cooperation among pharmacy and other health care disciplines | Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements | |
| Promote effective partnership with the community | Provide high quality continuous pharmacy education and excellent. | Foster values and skills of the graduates that promote collaborations with other health care providers to enhance community services and public health awareness. | |
| Supporting and developing scientific research | Encourage high impact scientific research, postgraduate education, and enrich resources. | Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences | |

| University Strategic Objectives | College of Pharmacy Strategic objectives | Program Strategic Objectives | Integration and consistency between goals |
|---|--|--|---|
| Postgraduate development | Encourage high impact scientific research, postgraduate education, and enrich resources. | Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences | There is a complete consistency between strategic goal of the University, college, and the program goals. |
| Supporting and developing scientific research | <p>Improve the quality of pharmacy education and practice</p> <p>Accommodate with the organization administrative processes and measures to provide support to the academic programs</p> | <p>Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements</p> <p>Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences</p> | |
| Development of financial resources | <p>Improve the quality of pharmacy education and practice</p> <p>Encourage high impact scientific research, postgraduate education, and enrich resources.</p> | <p>Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements</p> <p>Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences</p> | |

Operational Plan of the Program

| 1-Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements. | | | | | | | | | |
|---|---|--------------------------|-------------------------|-----------------------------|-----------------|-----------------|----------------|--------|------|
| Initiatives | Activities/Procedures | Responsible Party | Implementation Timeline | KPI | 1445 H | | Achieved goals | | |
| | | | | | 1 st | 2 nd | Target | Actual | % |
| | | | | | | | | | |
| To enhance the student's theoretical and practical proficiency in clinical skills | Research priorities in the treatment of Diabetes Mellitus | Pharmacology Department | Second semester of 1445 | Student satisfaction survey | | ✓ | 80% | - | - |
| | Awareness campaign: Diabetes mellitus awareness campaign | Dawa Club | First semester of 1445 | Number of campaigns | ✓ | | 1 | 1 | 100% |
| | Discover OTC wonders: your journey to wellness begins now | Pharmaceutics Department | First semester of 1445 | Student satisfaction survey | ✓ | | 80% | 70% | 87% |
| | Advances in clinical ophthalmology: triumphs and tribulations for effective and safe drug delivery systems to the eye | Pharmaceutics Department | Second semester of 1445 | Student satisfaction survey | | ✓ | 80% | 77% | 96% |

| | | | | | | | | | |
|---|---|------------------------------|-------------------------|--|---|---|-----|-----|------|
| | Criminal mystery: role of pharmacists in criminal investigation and forensic toxicology | Dawa club | First semester of 1445 | Number of events | ✓ | | 1 | 1 | 100% |
| | Making sense of cosmetics labels | Pharmaceutics Department | Second semester of 1445 | % achievement in OSCE exam | | ✓ | 80% | - | - |
| Improve faculty members skills | Workshop: Exemplars of modern teaching and learning strategies | Pharmacognosy Department | First semester of 1445 | New strategies introduced | ✓ | | 2 | 2 | 100% |
| | Role play rubric activity | Pharmacognosy Department | Second semester of 1445 | New activities | | ✓ | 1 | 1 | 100% |
| | Designing assessment tasks | Clinical Pharmacy Department | Second semester of 1445 | New assessment methods introduced | | ✓ | 2 | 2 | 100% |
| | Recent teaching methods | Pharmacology Department | Second semester of 1445 | New strategies introduced | | ✓ | 1 | 1 | 100% |
| To foster the quality of learning resources | Mind mapping. An equipotent tool for teaching and learning | Pharmacology Department | Second semester of 1445 | Faculty and students satisfaction survey | | ✓ | 80% | 85% | 100% |

| | | | | | | | | | |
|---|--|--------------------------|-------------------------|--|---|---|-----|-----|------|
| | Role of AI in drug discovery and development | Pharmacognosy Department | Second semester of 1445 | Faculty and students satisfaction survey | | ✓ | 80% | - | - |
| | Common mistakes in preparing the course files | Pharmaceutics Department | First semester of 1445 | Faculty satisfaction survey | ✓ | | 80% | 90% | 100% |
| | AI-powered education: transforming learning through cutting-edge tools | Pharmaceutics Department | Second semester of 1445 | Faculty and students satisfaction survey | | ✓ | 80% | 95% | 100% |
| To support low achievers, disabled, and talented students | Heath of mind and body: joint cultural event between COP and College of Education for safe use of antipsychotic drugs psychological health | Dawa Club | Second semester of 1445 | Number of events | | ✓ | 1 | 1 | 100% |
| | Happiness voice: recreation student social for music and singing | Dawa Club | Second semester of 1445 | Number of participants | | ✓ | 30 | 53 | 100% |
| | Sport and health marathons | Dawa Club | During 1445 | Number of marathons | ✓ | ✓ | 2 | 2 | 100% |

| | | | | | | | | |
|---|---|-----------------|----------------|---|---|-----|-----|------|
| | Academic initiative: Together to achieve your dream | Academic Office | By end of 1445 | % of success of enrolled students | ✓ | 90% | 80% | 88% |
| To ware college's community about COP strategic plan | announce the college strategic plan 2028 | Vice Deanship | By end of 1445 | Number of event to announce the strategy | ✓ | 1 | 1 | 100% |

2. Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences.

| Initiatives | Activities/Procedures | Responsible party | Implementation timeline | KPI | 1445 | | Achieved goals | | |
|---|-------------------------------------|-------------------------|-----------------------------|-----|---|---|-------------------------------------|-------------------------|---|
| | | | | | 1 st | 2 nd | Target | Actual | % |
| | | | | | Training students to acquire scientific research and writing skills | Applying molecular modeling to drug discovery and development | Pharmaceutical Chemistry Department | Second semester of 1445 | Faculty and student satisfaction survey |
| Let's research | Clinical Pharmacy Department | First semester of 1445 | Student satisfaction survey | ✓ | | | 80% | 90% | 100% |
| Aligning COP research activities with University strategic research plans | Clinical Pharmacy Department | By end of 1445 | Number of lectures | ✓ | | ✓ | 1 | - | - |
| Chemistry around us: an insight into scientific and breakthrough discovery in chemistry | Pharmaceutical Chemistry Department | Second semester of 1445 | Number of events | | | ✓ | 2 | 2 | 100% |

| | | | | | | | | | |
|--|---|---------------|----------------|--|--|---|-----|-----|-----|
| | Research and professional development day | Vice Deanship | By end of 1445 | Number of participants of all students | | ✓ | 50% | 30% | 60% |
|--|---|---------------|----------------|--|--|---|-----|-----|-----|

| 3.Foster values and skills of the graduates that promote collaborations with other health care providers to enhance community services and public health awareness | | | | | | | | | |
|--|--|------------------------------|-------------------------|----------------------------|-----------------|-----------------|----------------|--------|------|
| Initiatives | Activities/Procedures | Responsible party | Implementation timeline | KPI | 1445 H | | Achieved goals | | |
| | | | | | 1 st | 2 nd | Target | Actual | % |
| To conduct community awareness campaign about health care | Anti-smoking awareness campaigns on electronic cigarettes in schools | Pharmaceutics Department | Second semester of 1445 | Number of events | | ✓ | 1 | 1 | 100% |
| | International Pharmacist Day | Dawa Club | First semester of 1445 | Number of campaigns/events | ✓ | | 1 | 1 | 100% |
| | Lecture series on health care providers in hospitals | Clinical Pharmacy Department | During 1445 | Number of lectures | ✓ | ✓ | 2 | 2 | 100% |
| | The importance of dosage regimen compliance | Pharmaceutics Department | Second semester of 1445 | Number of events | | ✓ | 1 | - | - |
| | Diabetes awareness day | Pharmacology Department | First semester of 1445 | Number of events | ✓ | | 1 | 1 | 100% |
| | Pharmacists challenge | Dawa Club | During 1445 | Number of events | ✓ | ✓ | 2 | 2 | 100% |
| | Ramadan health awareness exhibition | Dawa Club | Second semester of 1445 | Number of exhibitions | | ✓ | 1 | 1 | 100% |

| | | | | | | | | | |
|--|----------------------|-----------|------------------------|------------------|---|--|---|---|------|
| | Safe antibiotics use | Dawa Club | First semester of 1445 | Number of events | ✓ | | 1 | 1 | 100% |
|--|----------------------|-----------|------------------------|------------------|---|--|---|---|------|

Action Plan

| S.N | Goals | Achieved | Not achieved | Achievement (%) | Time | Achieved outcomes |
|-----|--|----------|--------------|-----------------|------|--|
| 1. | Graduate medication therapy experts with knowledge, skills and values to meet health care and professional market requirements. | Achieved | | 98% | 1445 | provide comprehensive education and training to pursuing a career in medication therapy. This includes developing their knowledge base, honing their skills that meet demands of the professional market |
| 2. | Provide competent students in pharmacy profession capable of effectively participating in foundational scientific research in the fields of pharmacy practice and pharmaceutical sciences. | Achieved | | 86% | 1445 | By conducting rigorous research, new insights, discoveries, and evidence-based practices can be generated. This can lead to improvements in patient care, and overall healthcare outcomes |
| 3. | Foster values and skills of the graduates that promote collaborations with other health care providers to enhance community services and public health awareness. | Achieved | | 100% | 1445 | promoting collaborations among healthcare providers encourages a multidisciplinary approach to healthcare |
| | Overall Achievement (%) | 94% | | | | |

Challenges and Obstacles

| Serial number | Activities/procedures | Difficulties | Procedures taken to overcome challenges | Expected time to accomplish delayed activities |
|---------------|--------------------------------|------------------------------------|---|--|
| 1. | Overall Achievement (%) | Difficulties to hold some events | Make sure to conduct all events when possible | beginning of 1446 |
| 2. | Training sites | Limited simulation pharmacy access | More agreement with private sector to establish new simulation pharmacy | Mid of 1446 |

Approved by COP Dean:

