



AL - SAEED UNIVERSITY
Faculty of Medical and Health Sciences
Department of Pharmacy
Field Training Specification
Bachelor of pharmaceutical Sciences (B. Pharm. Sc)

1. INTRODUCTION

The Department of Pharmacy at Al-Saeed University works on the graduation of a competent pharmacist who competes in the work market and provision of the pharmacy service on basis of commitment with the systems of quality of education and continuous improvement.

In addition, it emphasizes the scientific research, social co-operation and community development.

In this context, Department of Pharmacy is keen to train its students in different pharmaceutical disciplines aiming to prepare them to compete effectively in the job market after their graduation. Training is an integral part of the pharmacy program and is considered a graduation requirement.

2- FIELD TRAINING PLAN

- Pharmaceutical Field Training-1:

Pharmaceutical Field Training-1 is carried out during the first semester of fifth year.

The student should spend **170** training hours in a community pharmacy setting, approximately 3 hours per day, 4 days per week for 14 weeks. The student must pass all pharmacology courses and community pharmacy & OTC drugs course.

- Pharmaceutical Field Training-2:

Pharmaceutical Field Training-2 is carried out during the second semester of fifth year.

The student should spend 170 training hours in a hospital pharmacy setting, approximately 3 hours per day, 4 days per week for 14 weeks. The student must pass all pharmacology courses, hospital pharmacy course and pharmaceutical field training-1.

- Summer Training:

Summer Training is carried out after the tenth semester when students have been passed or completed all courses of the study plan (including passing pharmaceutical field training-1 and 2). The student should spend 100 training hours in community pharmacy and hospital pharmacy settings, approximately 3 hours per day, 4 days per week for 8 weeks (two months).

3- OBJECTIVES OF FIELD TRAINING

The principal objective of field training is:

- To familiarize students with fundamentals of pharmacy practice in community and hospital settings.
 - To offer the opportunity of experience & practical training before graduation
 - To graduate a competent pharmacist with high efficiency to participate in providing health care to community.

4- INTENDED LEARNING OUTCOMES

By the end of the training period the student must be able to:

a. KNOWLEDGE AND UNDERSTANDING

- a1- Demonstrate knowledge about the fundamentals of pharmacy practice in hospital and community settings.
- a2- Demonstrate knowledge about the properties and the use of different dosage forms.
- a3- Demonstrate knowledge about the generic names, indications, side effects, contraindications, drug interactions, trade names and manufacturers of medications available in Yemeni market and the medications available in hospital setting.
- a4- Demonstrate knowledge of purchasing, storage, inventory control and dispensing of drugs in the hospital and community settings.
- a5- Understand the professional functions of the pharmacist in community and hospital settings and begin to develop critical thinking skills for providing pharmaceutical care in hospital and community practice.
- a6- Demonstrate knowledge about drug distribution systems.
- a7- Demonstrate knowledge about narcotic drugs handling and dispensing.
- a8- Recognize the clinical features of diseases including medical and non-medical management.

b. INTELLECTUAL SKILLS

- b1- Manage a hospital and community pharmacies
- b2- Solve problems encountered in drug dispensing or prescription
- b3- Select the proper drugs for various disease conditions using the pharmacotherapeutic principles.
- b4- Formulate and evaluate patient care plan about the rational use of medications to improve patient safety and efficacy.

c. PROFESSIONAL AND PRACTICAL SKILLS:

- c1- Participate in accurate prescription processing.
- c2- Provide effective patient education and display appropriate communication skills.
- c3- Use technology in pharmacy practice.
- c4- Use of different dosage forms.
- c5- Display appropriate professional behavior and work ethics.
- c6- Demonstrate knowledge and skills regarding Intravenous (I.V.) admixture system.

d. GENERAL AND TRANSFERABLE SKILLS

- d1. Interact and communicate effectively and ethically with health professional colleagues.
- d2. Transfer instructions based on his knowledge to patients.

d3. Work effectively as a part of team and as an individual and manage time.

d4- Adopt ethical, legal and safety guidelines in pharmacy practice.

d5- Demonstrate self - learning and presentation skills needed for continuous professional development.

d6- Retrieve information from different information sources.

5- Description of Field training Activity

Pharmaceutical Field Training-1:

Pharmaceutical Field Training-1 is carried out in community pharmacy setting. In community pharmacy training, the students are expected to gain practical experience and learn how to use and incorporate technology in pharmacy practice, learn how to use different pharmaceutical dosage forms properly, perform patient education, learn how to read and handle a prescription, and learn how to interact and communicate with other health care providers. In addition, students are expected to become familiar with the generic name, indications, side effects, contraindications, drug interactions, trade name, drug store, and manufacturers of the most commonly prescribed medications in Yemen and obtain knowledge about principles of pharmacy management.

Pharmaceutical Field Training-2:

Pharmaceutical Field Training-2 is carried out in hospital pharmacy setting. In hospital pharmacy training, the students are expected to gain practical experience and learn about drug distribution systems in hospital (including unit dose system), medications available in hospital setting, look alike, sound alike medications, emergency medications, high alert medications, medication process in hospital and pharmacist responsibilities, handling and dispensing of narcotics, adverse drug reactions and drug interactions, intravenous (i.v.) admixtures and inventory system in pharmacy department.

Summer Training:

Summer Training is carried out in both community and hospital pharmacy setting. This training course is designed to provide multiple opportunities to perform patient-centered care activities in a variety of settings. These activities include self-care and selection of non-prescription drugs, conducting assessment of patient referral, collecting, interpreting and evaluating patient information, pharmaceutical care, patients' pharmacotherapy, identifying and resolving drug-related problems, patients' education/counseling, assessing patient's adherence and dispensing and administering medications.

6- PRACTICE SITE SELECTION

- Pharmaceutical Field Training-1 practice site selection:

The practice site for pharmaceutical field training-1 should be one of the practice sites that have been previously evaluated by an academic staff and a past group of students. The training sites must be registered community pharmacies that meet practice site criteria.

The practice site can be one of the community pharmacies that hold an affiliation agreement with the Department of Pharmacy at Al-Saeed University.

At the end of training time, all students are required to evaluate and rate their practice sites using a scale ranging from Poor to Excellent. All poor training sites must be eliminated from the list. The strategy by which the student chooses his practice site is based on selecting 3 different sites one of which must have an above average rating. The academic supervisor will choose the location based on the vacancy available at each of the chosen practice sites.

Note: Not more than 10% of training period is allowed be carried out in virtual pharmacy.

- Pharmaceutical Field Training-2 practice site selection:

All students are expected to finish their training at a hospital pharmacy (Ministry of Health Hospitals). After the completion of their training at a hospital pharmacy. All students are requested to evaluate their practice sites at the end of each of their training rotations.

- Summer Training practice site selection:

The practice sites for summer training include community and hospital pharmacies as described in practice site selection for pharmaceutical field training-1 and 2.

7- PRACTICE SITE SELECTION CRITERIA:

1. Pharmacy practice sites shall meet all standards set by the Ministry of Public Health and Population (MoPHP) and the Supreme Board of Drugs and Medical Appliances (SBDMA)
2. The site must be clean and reflect a professional image.
3. Training site supervisor must be willing to help student pharmacists in meeting pharmacy field training learning objectives.
4. Has adequate professional staff and supportive technical and clerical staff to meet the learning objectives and to provide for optimum time for supervisor and student interaction.
5. Practice site must demonstrate a willingness to provide active learning experiences for students.
6. For pharmacy field training 1 only, practice site must be licensed as a community pharmacy by the Yemeni Ministry of Public Health and Population and the Supreme Board of Drugs and Medical Appliances (SBDMA).

7- Training site supervisor should be licensed as pharmacist by the Yemeni Ministry of Public Health and Population and Population and the Supreme Board of Drugs and Medical Appliances (SBDMA) and at least has 3 years work experience (High experienced Pharmacists).

8- EVALUATION METHODS AND GRADING

- The site supervisor's evaluation constitutes 40% of the student's evaluation.
- The academic supervisor's evaluation constitutes 60% of the student's evaluation which is allocated to punctuality and attendance (10%), seminar and discussion classes (10%), Assignments report (20%) and final exam (20%).

EVALUATION METHODS AND GRADING			
No.	Assessment Method	Week Due	Proportion of Final Assessment
1	Site supervisor evaluation	1-14	40%
2	Academic supervisor evaluation (60%)		
	- Punctuality and attendance (10%)	1-14	10%
	- Assignments report (20%)	7, 14	20%
	- Seminar and discussion classes (10%)	14	10%
	- Final exam (20%).	15	20%
3	Total		100%

- Evaluation form will be sent by academic supervisor to the training sites and it should be filled by the site supervisor and resubmitted to the academic supervisor after it is signed and stamped by the institution stamp.
- During and upon completion of the training, the supervisor will use the evaluation rubric in the **evaluation form** to assess the student's performance.
- The academic supervisors should hold seminar and discussion classes with the students in small groups to ensure that they gain maximum benefit while carrying out field training in hospital and community settings.
- The student will pass the training course if he/she gets at least 60%.
- The grading of training courses will be rated using a scale ranging from very Poor to Excellent.
- Degree will be awarded only after completion and passing the training courses.

Appendix 1: Training Site Evaluation Form

Filled by student

Question	Yes	No	Comments
Is adequate space provided			
Is adequate time given to see patient/customers?			
Are there sufficient numbers of patients/customers?			
Are there versatile types of patients, so to age, type of chief complaint, etc?			
Are there versatile types of prescriptions?			
Are students allowed to read prescriptions?			
Are students given the opportunity to provide consultation to patients on problems of interest?			
Are inventory files accessible to students?			
Is the staff appropriately helpful to and accepting of students?			
Do you feel safe at the training site?			
Do you feel respected at the training site?			

GENERAL COMMENTS

What are the positive elements in this training site?

List areas in which this site needs improvement in order to provide optimal student learning.

Do you recommend this site for other students? Why or why not?

How would you generally rate this training site?

Poor Fair Average Good Excellent

Appendix 2: Student final evaluation form:

Filled by site supervisor (this form can also be used for **mid-period** evaluation).

Dear supervisor, this form should be submitted within 1 week after student completion his practice experience.

This report is **CONFIDENTIAL** and should be submitted officially to the college supervisor, either directly or by E-mail after it is signed and stamped by the institution stamp (in case of sending this report with the student, please put it in an enclosed envelope stamped with the institution stamp).

Student Name: **ID:**

Institution:

Supervisor Name: **Email:**

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Training Period:

The following rubric is used to assess the student's ability to handle the functions within the pharmacy practice. In each section please select the appropriate number that corresponds to the student's achievement. An NA should be chosen only if the assessment point is not available at the site. It will not add any negative points to the student's score.

Grading Point	Assessment	Description
N/A	N/A	Not applicable
1	Very poor	Fails to achieve the domain goal; fails to demonstrate the domains skills
2	Poor	Fails to demonstrate the skill; needs substantial work to gain the skill
3	Good	Demonstrates the skill, but needs consistent guidance from the preceptor
4	Very good	Demonstrates the skill with minimal guidance from the preceptor
5	Excellent	Demonstrates the skill with no guidance from the preceptor; performs outstanding work

Assessment Skills

Skill	N/A	1	2	3	4	5
1- The student demonstrates understanding of the pharmacist's roles and responsibilities within the pharmacy, with other healthcare professionals, and in caring for patients in the health system						
2- The student is punctual, arrives at practice site and meetings early or on time; meets deadlines for completion of tasks and responsibilities.						
3- The student Exhibits professional appearance and conducts themselves in a professional and ethical manner						
4- The student demonstrates respect for all individuals (patients, families, staff, other healthcare providers, etc).						
5- The student understands and complies with all pharmacy rules and regulations pertaining to the practice of pharmacy.						
6- The student communicates clearly and effectively when interacting with health care professionals, patients, caregivers, and the public using appropriate listening, verbal, and nonverbal communication skills.						
7- The student identifies and uses appropriate resources to retrieve drug-related information						
8- The student appropriately applies drug-related information to respond to patient care or drug information responsibilities.						
9- The student explains and participates in inventory management and purchasing including ordering, receiving, storing, and returning merchandise.						
10- The student interprets, processes, and fills prescriptions accurately.						
11- The student reviews and interprets medication orders for accuracy and completeness.						
12- The student describes the importance of adhering to controlled substance inventory and ordering procedures						
13- The student provides appropriate self-care (OTC) recommendations and pharmaceutical care under the supervision of a pharmacist						
14- The student participates in the education and counseling of patients on medications under the supervision of a pharmacist.						
15- The student demonstrates familiarity with brand/generic names, indications and side-effects of commonly used medications.						
16- The student selects the correct drug product, manufacturer, dose and dosage form and prepares it for						



dispensing						
17- The student correctly Performs calculations required to compound, dispense and administer medications.						
18- The student identifies problems and provides appropriate solutions						
19- The student describes and evaluates the drug distribution process.						
20- The student accepts and incorporates constructive feedback.						

Final Grade (%):

Overall Assessment: **PASS** **INCOMPLETE** **NOT PASS**

Final Comments:

Student's area of strength:

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Student's areas for improvement

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Supervisor Signature and stamp:..... **Date:**