

SPEP 4-5: Hospital 2 Learning Objectives

Pharmacy students are trained in accordance with the competency elements of the National Association of Pharmacy Regulatory Authorities (NAPRA)¹. The table below reflects 9 competency elements associated with learning objectives and specific learning activities. By the end of the SPEP Hospital 2 Rotation, the student will be able, but not limited, to do the following:

Professional Competency #1: Ethical, Legal and Professional Responsibilities	
1.1	Practice within the legal requirements & regulations of the practice setting
	<ul style="list-style-type: none"> Discuss the licensing and regulatory procedures for operation of the pharmacy
	<ul style="list-style-type: none"> Discuss the requirements for obtaining a pharmacist license to work in a hospital pharmacy in Qatar
1.2	Uphold Ethical Principles
	<ul style="list-style-type: none"> Behave in an ethical manner for the interest of the patient and the profession
1.3	Maintain awareness of illegal, unethical, or unprofessional actions or situations within the practice setting
1.4	Apply principles of professionalism
	<ul style="list-style-type: none"> Identify and act upon learning opportunities proactively and independent from instructor prompting
	<ul style="list-style-type: none"> Practice self-assessment by recognizing one's limitation and implementing a self-learning plan
	<ul style="list-style-type: none"> Maintain confidentiality when engaging in site specific or patient specific information

¹http://www.napra.ca/Content_Files/Files/competencies.pdf
http://napra.ca/content_files/files/comp_for_cdn_pharmacists_at_entrytopractice_march2014_b.pdf

	<ul style="list-style-type: none"> • Demonstrate respect for patients and other healthcare personnel
	<ul style="list-style-type: none"> • Respond openly to positive feedback and modify behavior, if necessary
	<ul style="list-style-type: none"> • Adhere to professional attire
	<ul style="list-style-type: none"> • Demonstrate accountability for actions and decisions
	<ul style="list-style-type: none"> • Display conscientiousness and follow through on tasks and actions
1.5	Document activities of practice in compliance with the standard and policies at the practice setting
	<ul style="list-style-type: none"> • Identify situations in which documentation should and should not be shared with other health professional or third parties
	<ul style="list-style-type: none"> • Describe appropriate methods to share documentation within the circle of care to facilitate patient care
Professional Competency #2: Patient Care	
2.1	Develop a professional relationship with the patient
2.2	Obtain information about the patient
	<ul style="list-style-type: none"> • Interpret lab data
	<ul style="list-style-type: none"> • Review at least 3 patient medication lists/profiles
	<ul style="list-style-type: none"> • Review the mechanism of action, indications, contraindications, adverse effects, and drug interactions when reviewing a patient's medication list
2.3	Assess the patient's health status and concerns

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	<ul style="list-style-type: none"> Under the supervision of the preceptor, perform a thorough medication history and allergy assessment for at least 2 patients
	<ul style="list-style-type: none"> Demonstrate understanding of pathophysiology and pharmacotherapy of most common acute and chronic disease states encountered the inpatient setting
2.4	Identify and prioritize drug related problems including adverse drug events, drug interactions, and/or suboptimal treatment
	<ul style="list-style-type: none"> Assess through preceptor and student patient case discussions, medical team rounds, and student case presentation
	<ul style="list-style-type: none"> Follow at least 2 patients during your 1 month hospital rotation to perform and achieve this objective and briefly list the DRP for these 2 patients
2.5	Develop patient's care plan in partnership with the patient and in collaboration with other healthcare providers
	<ul style="list-style-type: none"> Assess through preceptor and student patient case discussions, medical team rounds, and student case presentation
	<ul style="list-style-type: none"> Follow at least 2 patients during your 1 month hospital rotation to perform and achieve this objective & briefly list the goals for these 2 patients
	<ul style="list-style-type: none"> Recommend alternate medications when an interaction or allergy is present
	<ul style="list-style-type: none"> Consider non-pharmacological therapy, therapeutic lifestyle changes, and preventive care issues in a treatment plan for a patient
	<ul style="list-style-type: none"> Recommend prescription/over-the-counter medications
	<ul style="list-style-type: none"> Use the form to document 5 pharmacotherapy interventions that were made during your rotation with 1 of 5 interventions being a pharmacokinetic intervention (i.e. aminoglycoside, vancomycin, etc)
2.6	Implement the developed therapeutic plan
	<ul style="list-style-type: none"> Assess through preceptor and student patient case discussions, medical team rounds, and student case presentation
	<ul style="list-style-type: none"> Follow at least 2 patients during your 1 month hospital rotation to perform and achieve this objective & briefly list the plan for these 2 patients

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	<ul style="list-style-type: none"> • Counsel patients on medications
	<ul style="list-style-type: none"> • Identify which healthcare provider at your site provides discharge medication counseling to patients
	<ul style="list-style-type: none"> • Discuss at least 2 benefits of a pharmacist-led discharge medication counseling versus a nurse-led discharge medication counseling
2.7	Determine appropriate monitoring parameter and therapeutic endpoints for safe and effective use of prescribed medications
	<ul style="list-style-type: none"> • Assess through preceptor and student patient case discussions, medical team rounds, and student case presentation
	<ul style="list-style-type: none"> • Follow at least 2 patients during your 1 month hospital rotation to perform and achieve this objective & briefly list the monitoring parameters for these 2 patients
	<ul style="list-style-type: none"> • Assess medication adherence
	<ul style="list-style-type: none"> • List at least 2 ways to identify medication adherence for these 2 patients
Professional Competency #3: Product Distribution	
3.1	Dispense and review a prescription for appropriateness of drug, route, dose, quantity, drug interactions, duplication, duration, allergies, patient specific conditions, and cost effectiveness
	<ul style="list-style-type: none"> • Review and discuss at least 15 prescriptions with your preceptor
	<ul style="list-style-type: none"> • Fill at least 15 prescriptions under the supervision of the pharmacist
	<ul style="list-style-type: none"> • Perform calculations for at least 5 prescriptions
	<ul style="list-style-type: none"> • Perform calculations for at least 1 TPN preparation
	<ul style="list-style-type: none"> • List 2 factors that must be taken into consideration when preparing TPNs

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<ul style="list-style-type: none"> • Prepare at least 1 cytotoxic/hazardous medication under the supervision of your preceptor
<ul style="list-style-type: none"> • Under pharmacist supervision, enter at least 15 prescriptions into the database
Professional Competency #4: Practice Setting
4.1. Optimize the safety, efficacy and efficiency of operations in the practice setting
<ul style="list-style-type: none"> • Maintain awareness of emerging issues, products, services that may impact patient care
<ul style="list-style-type: none"> • Address issues with the drug supply chain, including drug shortages and drug recalls.
4.2. Oversee pharmacy inventory to ensure safe, effective and efficient patient care.
<ul style="list-style-type: none"> • Familiarize with the operations in the practice setting
<ul style="list-style-type: none"> • Discuss how medications and other equipment in the main dispensary are organized on the shelves (e.g. therapeutic class, generic/brand name, fast movers, formulations)
<ul style="list-style-type: none"> • Describe the role of each pharmacy personnel (e.g. pharmacists, technicians)
<ul style="list-style-type: none"> • List at least 3 cost-effectiveness initiatives implemented at your site to reduce costs to the pharmacy department
<ul style="list-style-type: none"> • Give an example of a medication in which you had to apply pharmacoeconomic principles to provide the most cost-effective therapy for the patient
<ul style="list-style-type: none"> • Identify who is responsible for inventory control at the site
<ul style="list-style-type: none"> • Discuss how often it occurs and how long it takes to receive the order once it has been placed
<ul style="list-style-type: none"> • Describe the procedures for storing, ordering, recording, and distributing of controlled (narcotic) medications

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4.3.	Be familiar with record keeping activities to ensure safe, effective and efficient patient care
	<ul style="list-style-type: none"> Review the policies and procedures of the pharmacy on medication storage, security, and quality assurance
Professional Competency #5: Health Promotion	
5.1.	Engage in health promotion activities with the patient.
	<ul style="list-style-type: none"> Under the supervision of the preceptor, provide advice to patients and other health care providers about preventive services
	<ul style="list-style-type: none"> Collaborate in patient-specific health promotion strategies involving the pharmacy
	<ul style="list-style-type: none"> Become familiar with the hospital's public health activities, including initiatives for disaster, pandemic and emergency preparedness
5.2.	Participate in public health activities.
5.3.	Contribute to the maintenance of a healthy environment for the public.
Professional Competency #6: Knowledge and Research Application	
6.1	Apply knowledge, research skills and professional judgment to the decision-making process.
	<ul style="list-style-type: none"> Demonstrate a commitment to independent and lifelong learning
6.2	Respond to questions using appropriate strategies.
	<ul style="list-style-type: none"> Access additional medical references to solve medication-related problems without instructor prompting
	<ul style="list-style-type: none"> Utilize at least 2 primary literature sources to answer at least one drug information question

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	<ul style="list-style-type: none"> • Provide drug information requests to healthcare providers in a timely and accurate fashion
	<ul style="list-style-type: none"> • Provide at least 1 drug information request to a healthcare provider under the supervision of your preceptor and document your response using the drug information form
	<ul style="list-style-type: none"> • Perform a literature search for at least 1 recent journal article that pertains to improving patient care at your rotation site; read and analyze the article with your preceptor
6.3	Apply relevant information to practice.
	<ul style="list-style-type: none"> • Identify issues in pharmacy practice and drug utilization
Professional Competency #7: Communication and Education	
7.1	Establish and maintain effective communication skills.
	<ul style="list-style-type: none"> • Act and communicate in a self-assured, confident manner
	<ul style="list-style-type: none"> • Communicate at the appropriate level for a given situation
	<ul style="list-style-type: none"> • Use listening skills consistently when performing professional functions
	<ul style="list-style-type: none"> • Use correct grammar, punctuation, and spelling in written communication
7.2	Implement safe, effective, and consistent communication systems
	<ul style="list-style-type: none"> • Use correct pronunciation of technical, medical, and pharmaceutical terminology
7.3	Deliver an education session to an individual or group
	<ul style="list-style-type: none"> • Prepare a 20 minute formal case presentation for the pharmacy staff on at least one patient you encountered on your rotation

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	<ul style="list-style-type: none"> • Present a journal club to your preceptor or to the pharmacy staff (see 4.3)
	<ul style="list-style-type: none"> • Present a patient case in organized manner covering all pertinent information
	<ul style="list-style-type: none"> • Verbally present 2 patient cases for which you have encountered during rounds to your preceptor
Professional Competency #8: Intra and Inter-Professional Collaboration	
8.1	Create and maintain collaborative professional relationships.
	<ul style="list-style-type: none"> • Shadow at least one healthcare provider who you are not familiar with and write a reflection
8.2	Contribute to the effectiveness of working relationships in collaborative teams.
	<ul style="list-style-type: none"> • Under the supervision of your preceptor, have at least 2 interactions with the medical team (from various disciplines) during medical rounds or patient discussions and 1 interaction with a physician over the phone regarding a medication-related problem & briefly discuss the medication issue for each case
8.3	Accept and make referrals for specific services
	<ul style="list-style-type: none"> • Know when to refer patients to other healthcare disciplines (e.g. nutrition, social work) to improve patient outcomes
	<ul style="list-style-type: none"> • Discuss 2 reasons why one of the patients you are following at your site would benefit from a referral to another healthcare discipline
Professional Competency #9: Quality and Safety	
9.1	Contribute to a culture of patient safety.
	<ul style="list-style-type: none"> • List 2 medication safety initiatives implemented at your site that is in accordance with JCI standards

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9.2	Contribute to continuous quality improvement and risk management activities related to pharmacy practice.
	<ul style="list-style-type: none"> • Discuss how adverse events are reported and handled at your site
9.3	Ensure the quality, safety and integrity of products
	<ul style="list-style-type: none"> • Discuss how medication errors are reported and handled at your site
	<ul style="list-style-type: none"> • List at least 2 measures used to prevent medication errors from occurring at your site
9.4	Create and maintain a working environment that promotes safety
	<ul style="list-style-type: none"> • Document patient care activities and interventions in a concise, organized format

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