

## SPEP 6: Clinic Elective Rotation Learning Objectives

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

<b>Professional Competency #1: Ethical, Legal and Professional Responsibilities</b>	
1.1.	Maintain awareness of the legal requirements and regulations to the practice setting
	<ul style="list-style-type: none"> <li>Describe workplace, safety, and other related legislation to the practice setting</li> </ul>
	<ul style="list-style-type: none"> <li>Apply privacy regulations to the collection, use, storage, disclosure and destruction of personal health information.</li> </ul>
1.2.	Uphold ethical principles
	<ul style="list-style-type: none"> <li>Behave in an ethical manner for the interest of the patient and the profession</li> </ul>
	<ul style="list-style-type: none"> <li>Apply ethical principles in the decision-making process within the practice setting</li> </ul>
1.3.	Maintain awareness of illegal, unethical, or unprofessional actions or situations in practice
	<ul style="list-style-type: none"> <li>Discuss emerging issues, products, services that may impact patient care</li> </ul>
	<ul style="list-style-type: none"> <li>Display conscientiousness and follow through on tasks and actions</li> </ul>
1.4.	Apply principles of professionalism

<sup>1</sup>[http://napra.ca/content/files/files/comp\\_for\\_cdn\\_pharmacists\\_at\\_entrytopractice\\_march2014\\_b.pdf](http://napra.ca/content/files/files/comp_for_cdn_pharmacists_at_entrytopractice_march2014_b.pdf)

<ul style="list-style-type: none"> <li>Identify and act upon learning opportunities proactively and independent from preceptor prompting</li> </ul>
<ul style="list-style-type: none"> <li>Practice self-assessment by recognizing one's limitation and implementing a self-learning plan</li> </ul>
<ul style="list-style-type: none"> <li>Discuss situations of actual and perceived conflict of interest and discuss with the preceptor</li> </ul>
<ul style="list-style-type: none"> <li>Maintain confidentiality when engaging in site specific or patient specific information.</li> </ul>
<ul style="list-style-type: none"> <li>Demonstrate accountability for actions and decisions and respond openly to constructive feedback and modify behavior, if necessary</li> </ul>
<ul style="list-style-type: none"> <li>Utilize time efficiently and is punctual</li> </ul>
<ul style="list-style-type: none"> <li>Adhere to professional attire</li> </ul>
<b>Professional Competency #2: Patient Care</b>
2.1. Develop a professional relationship with the patient
<ul style="list-style-type: none"> <li>Demonstrate a caring, empathetic, and professional attitude</li> </ul>
<ul style="list-style-type: none"> <li>Determine and acknowledge the patient's needs, values, desired level of care and health goals</li> </ul>
2.2. Obtain information about the patient
<ul style="list-style-type: none"> <li>Under preceptor supervision, gather information from the patient or caregivers using appropriate interview techniques regarding his/her health concerns as further described under 2.3 below</li> </ul>
2.3. Assess the patient's health status and concerns
<ul style="list-style-type: none"> <li>Observe the preceptor interview patients to determine referral to a physician, need for medication or medication compliance</li> </ul>

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<sup>a</sup>NAPRA Reference Standard

<ul style="list-style-type: none"> <li>• Under preceptor supervision, interview at least 1 patient to assess the need for treatment or referral to a physician</li> </ul>
<ul style="list-style-type: none"> <li>• Under preceptor supervision, interview at least 1 patient or caregiver to assess medication compliance</li> </ul>
<ul style="list-style-type: none"> <li>• Under preceptor supervision, interview at least 1 patient or caregiver to assess health literacy</li> </ul>
2.4. Determine the patient's actual and potential drug therapy problems
<ul style="list-style-type: none"> <li>• Identify and prioritize drug related problems including adverse drug events, drug interactions, and/or suboptimal treatment</li> </ul>
<ul style="list-style-type: none"> <li>• List at least 2 preventative care issues that was discussed with at least 2 patients</li> </ul>
<ul style="list-style-type: none"> <li>• Assess through patient case discussions and SOAP note documentation between the student and preceptor</li> </ul>
2.5. (2.5 <sup>a</sup> & 2.6 <sup>a</sup> ) Develop and implement a patient's care plan
<ul style="list-style-type: none"> <li>• Under preceptor supervision, recommend an alternative medication for at least 2 patients due to a drug interaction or drug allergy</li> </ul>
<ul style="list-style-type: none"> <li>• Discuss with the preceptor the management of at least 2 chronic diseases encountered during the rotation</li> </ul>
<ul style="list-style-type: none"> <li>• Consider non-pharmacological therapy, therapeutic lifestyle changes, and preventive care issues in a treatment plan for a patient</li> </ul>
<ul style="list-style-type: none"> <li>• Assess through patient case discussions and SOAP note documentation between the student and preceptor</li> </ul>
2.6. (2.8 <sup>a</sup> ) Monitor the patient's progress and assess therapeutic outcomes
<ul style="list-style-type: none"> <li>• Discuss with at least 2 patients the optimal therapeutic outcomes, explaining measurable endpoints, target values and timeframes for prescribed products</li> </ul>
<ul style="list-style-type: none"> <li>• Follow at least 2 patients during the 1 month rotation</li> </ul>

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<ul style="list-style-type: none"> <li>Assess through patient case discussions and SOAP note documentation between the student and preceptor</li> </ul>
<b>Professional Competency #3: Product Distribution</b>
3.1. Dispense a product safely and accurately that is appropriate for the patient
<ul style="list-style-type: none"> <li>Identify, read, and evaluate components of the prescription</li> </ul>
<ul style="list-style-type: none"> <li>Select, count, label, and package prescriptions accurately</li> </ul>
<ul style="list-style-type: none"> <li>Review a prescription for appropriateness of drug, route, dose, quantity, drug interactions, duplication, duration, allergies, patient specific conditions, and cost effectiveness</li> </ul>
<ul style="list-style-type: none"> <li>Enter prescriptions into a medication database</li> </ul>
<ul style="list-style-type: none"> <li>Perform calculations for compounding, dispensing, and administering medications for at least 10 prescriptions during the 1 month rotation</li> </ul>
<ul style="list-style-type: none"> <li>If applicable, prepare and compound extemporaneous preparations</li> </ul>
<ul style="list-style-type: none"> <li>Describe the process for assuring accuracy in all steps of processing prescriptions and list at least 2 measures used at the site to prevent dispensing errors</li> </ul>
<ul style="list-style-type: none"> <li>Explain the process to assure the work accuracy of pharmacy support personnel (technicians)</li> </ul>
<ul style="list-style-type: none"> <li>Identify drug diversion and drug misuse in the pharmacy and name at least 1 safety measure used to prevent medication diversion or misuse</li> </ul>
<b>Professional Competency #4: Practice Setting</b>
4.1. Familiarize with the operations in the practice setting
<ul style="list-style-type: none"> <li>Discuss how medications are organized on the shelves (e.g. therapeutic class, generic/brand name, fast movers, formulations)</li> </ul>

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	<ul style="list-style-type: none"> <li>Describe the role of each pharmacy personnel (e.g. pharmacists, technicians)</li> </ul>
	<ul style="list-style-type: none"> <li>Discuss if the number of personnel is adequate to complete the workload for each shift</li> </ul>
4.2.	Familiarize with medication ordering, receipts, returns, and related inventory control
	<ul style="list-style-type: none"> <li>Review the policies and procedures of the pharmacy including those related to medication storage, inventory, as well as for the preparation, clean-up, and disposal of all types of medications</li> </ul>
	<ul style="list-style-type: none"> <li>Discuss how often it occurs and the time required to receive the order once it has been placed</li> </ul>
	<ul style="list-style-type: none"> <li>State how expired medications are disposed at the site</li> </ul>
	<ul style="list-style-type: none"> <li>Describe the procedures for storing, ordering, recording, and distributing of controlled (narcotic) medications</li> </ul>
4.3.	Familiarize with record keeping activities to ensure safe, effective and efficient patient care
	<ul style="list-style-type: none"> <li>Discuss the licensing and regulatory procedures for operation of a clinic pharmacy</li> </ul>
	<ul style="list-style-type: none"> <li>Discuss the requirements for obtaining a pharmacist license to work in a primary health care clinic pharmacy in Qatar</li> </ul>
<b>Professional Competency #5: Health Promotion</b>	
5.1	Engage in health promotion activities with the patient
	<ul style="list-style-type: none"> <li>Observe the preceptor educate patients on health wellness, improvement, and/or disease prevention</li> </ul>
	<ul style="list-style-type: none"> <li>Under preceptor supervision, educate at least 1 patient on health wellness, improvement, and/or disease prevention</li> </ul>
	<ul style="list-style-type: none"> <li>Collaborate with other health professionals at the site in patient-specific health promotion strategies, including smoking cessation and immunization</li> </ul>

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5.2. Participate in public health activities
<ul style="list-style-type: none"> <li>Familiarize with patient-specific health promotion strategies available at the primary health care center</li> </ul>
5.3. Contribute to the maintenance of a healthy environment for the public
<ul style="list-style-type: none"> <li>Discuss with preceptor strategies to minimize the risk of disease transmission within the practice setting</li> </ul>
<b>Professional Competency #6: Knowledge and Research Application</b>
6.1 Apply knowledge and judgment into the decision-making process.
<ul style="list-style-type: none"> <li>Perform a literature search for at least 1 journal article that pertains to patient care at the rotation site; read and analyze the article with the preceptor</li> </ul>
6.2 Respond to questions using appropriate strategies
<ul style="list-style-type: none"> <li>Identify and utilize medical references to answer drug information questions</li> </ul>
<ul style="list-style-type: none"> <li>Utilize at least 1 pharmacy reference available at your site and 2 primary literature sources to answer drug information questions and document the rationale for using these references</li> </ul>
6.3. Apply relevant information to practice
<ul style="list-style-type: none"> <li>Provide drug information requests to healthcare providers in a timely and accurate fashion</li> </ul>
<ul style="list-style-type: none"> <li>Provide at least 2 drug information requests to a health care provider under the supervision of the preceptor and document the responses and the references utilized.</li> </ul>
<b>Professional Competency #7: Communication and Education</b>
7.1. Establish and maintain effective communication skills

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<ul style="list-style-type: none"> <li>Under the supervision of the preceptor, have at least 1 interaction with a physician (over the phone, if possible) 1 interaction with a pharmacist, and 1 interaction with the pharmacy technician with regards to a medication-related problem/issue</li> </ul>
<ul style="list-style-type: none"> <li>Use listening skills consistently when performing functions</li> </ul>
<ul style="list-style-type: none"> <li>Communicate at the appropriate level for a given situation in a self-assured and confident manner</li> </ul>
<ul style="list-style-type: none"> <li>Prepare at least 1 SOAP note for an interaction with a patient or a recommendation provided under preceptor supervision</li> </ul>
<ul style="list-style-type: none"> <li>Use correct grammar, punctuation, and spelling in written communication</li> </ul>
<ul style="list-style-type: none"> <li>Use correct pronunciation of technical, medical, and pharmaceutical terminology</li> </ul>
7.2. Implement safe, effective and consistent communication systems.
<ul style="list-style-type: none"> <li>Under preceptor supervision, have at least 2 interactions with at least one of the following patients: child, elderly, or if possible someone with special needs (e.g. disability) with regards to medications</li> </ul>
<ul style="list-style-type: none"> <li>Counsel at least 2 patients on how to adopt health behaviors</li> </ul>
7.3. Provide education to individual or a group of healthcare providers
<ul style="list-style-type: none"> <li>Present a journal club to the pharmacy staff after performing a literature search related to a clinical question (in PICO format).</li> </ul>
<b>Professional Competency #8: Intra and Inter-Professional Collaboration</b>
8.1. Maintain collaborative professional relationships
<ul style="list-style-type: none"> <li>Explain what collaborative care is with respect to pharmacists and other healthcare providers within the clinic</li> </ul>

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	<ul style="list-style-type: none"> <li>Discuss the possible collaborative care opportunities available at the clinic</li> </ul>
8.2	(8.3 <sup>a</sup> ) Know when to refer patients to other healthcare disciplines or for specific services to improve patient outcomes
	<ul style="list-style-type: none"> <li>Discuss with the preceptor a patient who would benefit from a referral to another healthcare discipline</li> </ul>
<b>Professional Competency #9: Quality and Safety</b>	
9.1.	(9.1 <sup>a</sup> & 9.4 <sup>a</sup> ) Contribute to a culture of patient safety, and promote a safe working environment
	<ul style="list-style-type: none"> <li>Understand and if possible, participate in patient safety initiatives available at the clinic</li> </ul>
	<ul style="list-style-type: none"> <li>Discuss with the preceptor how hazardous products are handled at the site</li> </ul>
9.2.	Familiarize with continuous quality improvement and risk management activities related to pharmacy practice
	<ul style="list-style-type: none"> <li>Recognize commonly used pharmacy abbreviations and medical terminology</li> </ul>
	<ul style="list-style-type: none"> <li>Recognize unsafe abbreviations used at the practice setting and discuss with the preceptor</li> </ul>
	<ul style="list-style-type: none"> <li>Discuss with the preceptor the procedure if a medication incident, prescription error, or adverse drug event occurs</li> </ul>
9.3	Ensure the quality, safety and integrity of products
	<ul style="list-style-type: none"> <li>Discuss with the preceptor how the quality of supplies and products are evaluated at the site</li> </ul>
	<ul style="list-style-type: none"> <li>Identify and name at least 2 quality assurance techniques (eg., visual inspection, verification of the legitimacy of the supplier, etc)</li> </ul>

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