

# Pequot Pharmaceutical Network (PRxN) Advanced Professional Pharmacy Experience Outpatient/Managed Care Syllabus

## Course Information

Course Title: Advanced Professional Pharmacy Experience

Course Discipline: Ambulatory Pharmacy / Managed Care

Course description: Pequot Pharmaceutical Network (PRxN®) offers a unique practice site for students interested in getting a more complete view of the business of pharmacy. Students will be able to split their time between a state of the art Ambulatory/Mail Service Pharmacy and a Pharmacy Benefit Management business. The pharmacy portion of the rotation will involve working in an environment with the latest in pharmacy dispensing; Baker Auto Cells, cassettes, bar code and imaging technology, and an Autoscript III B Robot. This advanced technology enables students to perform less filling processes and more patient care activities. The Pharmacy Benefits Management (PBM) portion of this rotation allows student the opportunity to experience formulary management, drug utilization review development, financial/clinical analysis, and an opportunity to be involved with outcomes research.

Meeting day(s): Monday-Friday

Meeting time(s): 9:00 am – 5:00 pm & some additional events may take place outside of this time frame

Prerequisites: Successful completion of all professional didactic course work and sixth year Doctor of Pharmacy program standing  
**A pharmacy student intern license in RI. A copy must be on file at PRxN.**

## Instructor information

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**If you are going to be sick/late call Lauralee Rubino at 1-800-219-1226 Option 1, \*66481  
Or call 1-860-396-6481**

**If PRxN does close due to weather, an announcement will be recorded on PRxN's Snow Line (860) 396-6454**

## Textbooks:

Required reading *Drug Information Handbook* for the current year, Lexi-Comp clinical reference is one that is recommended either loaded on to a PDA or as a book reference.

Berardi RR, DeSimone EM, et al. *Handbook of Non-prescription Drugs: An Interactive Approach to Self-Care*, 13<sup>th</sup> edition. American Pharmaceutical Association, 2002.

## Course Goals

The Ambulatory/Managed Pharmacy Clerkship is designed to allow Doctor of Pharmacy students to meet the following course goals:

- To acquire the necessary clinical pharmacy skills to effectively counsel patients receiving prescription and non-prescription drug products from ambulatory pharmacy, and
- To integrate the necessary distributive pharmacy skills with clinical skills to deliver pharmaceutical care in a timely fashion, and
- To identify, intervene, and resolve potential or actual drug and/or nonpharmacologic therapeutic problems encountered in patients in a ambulatory pharmacy.
- To communicate with health professionals, patients, and caregivers regarding rational drug therapy, wellness, and health promotion.

## Course Objectives:

The Ambulatory/Managed Care Pharmacy Clerkship will enable the Doctor of Pharmacy student the ability to:

1. Build upon prescription processing skills, acquired earlier in the experiential curriculum, to deliver pharmaceutical care in conjunction with pharmacy workflow.
2. Review computerized patient profiles present in the ambulatory pharmacy for drug-related problems such as contraindications, duplications, interactions, abuse or misuse, and adherence.
3. Gather and review subjective patient specific data, in addition to patient profiles if available, such as patient demographic information, chief complaint, history of present illness, past medical history, family history, social history, occupational history, and review of systems by patient/caregiver interview.
4. Gather and review current and past medication history, including prescription, nonprescription, and herbal or complimentary medications along with drug allergies or intolerances by profile review and patient/caregiver interview.
5. Generate physical assessment data by performing assessment techniques, where appropriate and allowable, such as blood pressure and pulse measurement, diabetic foot exam, skin exam or requesting such information from the patient's healthcare providers.
6. Gather and review laboratory or other diagnostic tests, where appropriate and allowable, that will effect therapeutic decision making.
7. Assess, design, implement, monitor, evaluate, and recommend modifications in drug and non-drug therapy to insure effective, safe, and economical patient care.
8. Triage patients to other health professionals as appropriate.
9. Monitor and counsel patients regarding the indications, uses, and potential side effects of their medications and related therapy.
10. Recommend, counsel, and monitor patient use of nonprescription and herbal medications, vitamins, and minerals.
11. Retrieve, evaluate, and disseminate drug information to inquirers, both professionals and consumers, appropriate to target audience.
12. Document pharmaceutical care outcomes using ambulatory pharmacy consultation forms.
13. Plan, design, and implement a ambulatory pharmacy outreach activity for health and wellness promotion to patients.

## Policies

### Introduction

You will meet weekly with preceptors. Be prepared to discuss your site experiences and bring all consultation forms and other documented activities to these sessions. You will be graded upon your preparation and participation in-group discussions.

### Additional information

In addition, activities have been scheduled that may require you to leave the site. When not at these activities, students are expected to be at their site. You may go to the library or other places for research at the discretion of the preceptor.

We have prepared a calendar outlining your activities for the rotation. You must keep your preceptor aware of any changes that may occur.

You are expected to interact with patients and other healthcare professionals in a professional manner

Report all activities, cases, and potential interventions and drug information responses to your preceptors. It is your responsibility to keep him or her informed. Also, several assignments require the verification of your preceptor or another pharmacist at the site.

You must be prompt to all activities. Tardiness will not be tolerated.

Projects and assignments are to be done on your own time. With your preceptor's approval, you may work on them during clerkship hours. However, during this time, your first priority is to be available to your site, not to work on projects.

Be independent and assertive. Time moves quickly and our preceptors, though genuinely interested in your progress and experiences, are very busy. This will not be a "hand-holding" experience. You have to "dig" for interventions and involvement, but they are there.

## **Required Assignments**

### Written project

You will be required to write a paper(s) that will constitute a percentage of your final grade. This will be a written paper(s) on a topic related to ambulatory pharmacy including herbal and alternative medicine, "hot OTC topics" such as Rx-OTC switches, or other ambulatory pharmacy issues, such as technology, medication errors, or narcotic diversion. You will choose a topic(s), with the approval of your preceptor. Please research your paper thoroughly, as primary resources can be very difficult to find when dealing with herbal remedies and community pharmacy issues. Papers should be typed with 12-point font and double-spaced. Please document your references according to the format listed in the clerkship manual and include copies of your articles/citations when turning in your paper. We will return references to you after grading at your request.

### Consultation/Drug Info Request Form

You will be expected to document your patient/provider interactions utilizing the SOAP format. Students will be expected to document patient or provider interactions per week on the Consultation form, the drug information form, or the OTC encounter form. Remember that these forms are considered a log of your activities and represent your work while on rotation. We encourage students to document as many interventions/consultations as possible. They will be collected periodically throughout the clerkship and assessed, however, bring them to every group session completed and ready for discussion. Consultations may include a variety of things:

1. OTC/herbal patient or health care provider counseling or drug info
2. Counseling on devices such as glucometers, MDI's, etc
3. Drug-drug, interactions, drug-disease interactions, dosage changes, inappropriate drug choices. Document if your recommendations was accepted by the MD or not.
4. Drug regimen reviews solicited by patients and/or other health care providers

### Formal Presentation

Each student is required to present one formal presentation to the pharmacy staff. Please be original and innovative. Do not pick broad topics like diabetes or asthma, but rather select a specific aspect of the patient's therapy. For example review "Erectile dysfunction in Diabetic males" or

“Development of an asthma action plan for self management”. We have provided you with a presentation format to follow. The presentations are expected to be in power point format.

#### Outreach Project

Each student may be asked to perform an educational program at some time during your rotation. This can be a presentation to a senior center, a nursing home, employee health fair or another facility in the area. You can also develop a program for other health care professionals (e.g. technicians). Be creative and please ask your site preceptor for ideas. You will also be required to present an outline to your instructors before hand and to provide a handout for the talk.