# IPPE II Institutional PHRM 470 Workbook Spring 2021

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Office hours: By Appointment Office Phone: 260-470-2713 zmalsamarae@manchester.edu The purpose of this workbook is to serve as a guide for you while you are on your rotation. The exercises are specifically tailored to expose and orient you to the practice of pharmacy in an institutional / hospital setting. To gain the most benefit of these exercises, please think about the questions and try to answer them on your own. If you cannot find the answer then discuss with <u>your preceptor for direction on where to find the answer</u>. This is your rotation, not your preceptor's.

Review IPPE II Institutional PHRM 470 course syllabus to better understand how it is correlated with the activities of this workbook.

Pre-IPPE II Rotation Reflections:			
Note: Due before first day of Focus Rotation  Maximum of 3 – 4 sentence responses be specific yet brief.  Share Pre-Rotation reflections with your Preceptor  1. What are your goals for this rotation?			
2. How do these goals fit in with your career goals?			
3. How do you plan to achieve these goals?			
4. What are you most excited about in regards to this rotation?			
5. What do you think will be the most challenging part of this experience?			

#### **Prior to Starting Focus IPPE II Institutional**

Ensure you have contacted your preceptor via e-mail (preferred) or phone at least two weeks prior to the first day of rotation. Be sure to ask what documentation you should bring with you on the first day, dress code, where to park, and when and where to report. You should also ensure that there are no readings or other assignments they want you to have completed prior to your arrival. Remember that this is your first interaction with your preceptor, so professionalism is essential.

#### **Orientation - First meeting**

The first meeting with your preceptor is the time where expectations and goals are discussed and the plan to achieve them is prepared. Use open, direct communication realizing that it is your responsibility to complete exercises and activities to develop skills and knowledge targeted for this experiential rotation. Your preceptor's role is to facilitate and meet to discuss how you are progressing.

Preceptors are not responsible for filling every minute of your rotational time with activities. There may be days that you complete all your required elements before the end of your hours. You should then ask if there are other tasks you can help with or roles you can observe. If approved with your preceptor, help out with day to day tasks in the pharmacy, such as first fill, medication delivery, filling remote medication dispensing machines, and packaging. If you find that you are having trouble filling your time at a site, contact Dr. Trovinger.

#### **Patient Care Roles**

Institutional settings house a wide variety of health care professionals that are directly involved in the medication dispensing process (ordering to administration). In the table below, briefly describe the role each team member plays.

ceam member plays.	
Team Member	Role and Responsibility
Prescriber	
(Physician, PA, NP)	
Pharmacist	
Pharmacy Technician	
Nurse	
Respiratory Therapist (If applicable)	

# **Pharmacy Staff Scheduling**

Unlike many retail pharmacies, most institutional pharmacies have many pharmacists and technicians on the schedule at the same time. In the table below, please list the different job roles for all pharmacists and technicians on all shifts at your institution. For example, if there are 5 different technician roles that a technician maybe assigned to fill for first shift. list all 5 of them.

Shift     Technician Roles     Pharmacist Roles       1st     Pharmacist Roles       2nd     Image: Control of the property o	haybe assigned to hir for mist shirt, list all 5 of them.				
2 <sup>nd</sup>	Shift	Technician Roles	Pharmacist Roles		
	1 <sup>st</sup>				
3 <sup>rd</sup>	2 <sup>nd</sup>				
3 <sup>rd</sup>					
3 <sup>rd</sup>					
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3 <sup>rd</sup>					
	3 <sup>rd</sup>				

Who is in charge of creating the pharmacist schedule?		
Who is in charge of creating the technician schedule?		
Who is in charge of overseeing the operations of the pharmacy on a given shift?		

#### **Medication Flow Process**

In the table below, outline the process from the entering of the medication order by the prescriber to the administration to the patient. Try to identify as many steps in the process as possible. Be sure to include steps for both medications that must be manipulated in the IV room, medications that require pharmacist monitoring, and preprepared medications (oral solids, premixed IVs, etc).

Preprepared Medications (oral solids, premixed IVs, etc)	Medications that must be manipulated in the IV room	Orders that require Pharmacist intervention

#### **Pharmacy Personnel Interview**

Getting feedback from people who work daily in this field will allow you to better assess if this is a career path that appeals to you. Using the next two forms, complete at least two interviews while at your practice site, one with a pharmacist and one with a technician.

## **Pharmacy Personnel Interview Form Pharmacist**

Primary role and responsibilities: Favorite Activity: Least Favorite Activity: Normal Work Schedule: Mon – Fri with No Weekends Day Shift with Q Weekend Q Holiday. Rotating Schedule with \_\_\_\_ Evening or Night Shifts / Month Hours/day \_\_\_\_ Hours / Week Salaried: Yes / No Hourly: Yes / No Overtime Pay: Yes / No **Biggest Satisfaction:** Biggest Challenge:

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## **Pharmacy Personnel Interview Form Pharmacy Technician**

Primary role and responsibilities: Favorite Activity: Least Favorite Activity: Normal Work Schedule: Mon – Fri with No Weekends Day Shift with Q Weekend Q Holiday. Rotating Schedule with \_\_\_\_ Evening or Night Shifts / Month Hours/day \_\_\_\_ Hours / Week Salaried: Yes / No Hourly: Yes / No Overtime Pay: Yes / No **Biggest Satisfaction:** Biggest Challenge:

# **Post IPPE II Institutional Experience Reflection**

1. Did you meet your personal goals?

Reflections to be completed by last Friday of rotation

Maximum 3 – 4 sentence responses ... be specific with examples yet brief.

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2.	Discuss any	new insights and has your perspective changed about institutional pharmacy practice?
3.	After comp	leting this rotation, what role do you think a pharmacist plays in an institutional setting?
	How d	id it change from your earlier reflection?
4.	Compare / a.	Contrast: Practice Environments / Types of Pressure for Community Pharmacy versus Institutional Pharmacy
	b.	Roles / Responsibilities for Community Pharmacist versus Institutional -Hospital Pharmacist
	C.	Individual Preferences at this point and why
	d.	Other than completing the required curriculum for the pharmacy program, what professional development activities do you need to complete to secure employment in your preferred practice setting?

How?

#### **Clinical Application**

1. 52-year-old female presents to the ED for concerns of a diabetic foot infection. The medical team discusses starting IV vancomycin and IV pipercillin-tazobactam empirically. In order to determine the appropriate dose of each IV antibiotic, the team looks to the pharmacist to calculate the patient's kidney function appropriately using Cockcroft-gault equation. Patient's serum creatinine is 0.92, she is 5'8", and 145 lbs.

2. RS is a 2-month-old male that comes into clinic today. Both parents accompany RS, they state that they noticed him tugging on his ear quite a bit and most recently, he experienced a fever this morning. His primary care physician would like to start amoxicillin suspension. RS is 15 lbs. In the pharmacy, Amoxicillin 125 mg/5mL is commercially available. calculate how much mL need to be dispensed if we are dispensing a 5 day supply.

3.	3. When calculating the dose of sulfamethoxazole-trimethoprim, is the calculation based on a specific component of the drug? (circle the correct answer below)		
	Sulfamethoxazole only	Trimethoprim only	No, consider both
4.	You are verifying an order for valproic ac mg QPM. You call the pharmacy to assist valproic acid product available in 250 mg Calculate the amount of mL need to be of	t in getting this medication preg/mL with the remainder of the	epared, you then learn the only
5.	Based on your answer in #4, how much i	s this amount in tablespoons?	