



Midwestern University
College of Pharmacy Downers Grove (CPDG) Class of 2023 AGO/2024 SGO & 2024 3YC
Advanced Pharmacy Practice Experience – Hospital Rotation
PPRAD 1803/1782: 2023-2024 (9.0 credits)

COURSE DESCRIPTION:

Pharmacy students under the supervision of an adjunct faculty member or fulltime clinical faculty will gain experience in hospital pharmacy practice. The student will gain experience in practice management, and interactions with other health care providers. The student will participate in drug therapy assessment, patient care activities and monitor outcomes in various patient populations. The student will complete case presentations and other assignments. The student will develop a philosophy of practice regarding the role of the pharmacist as a member of the health care team.

SCHEDULE: ◆ AGO Students Blocks 1-3 ◆ SGO Students Blocks 1-7 ◆ 3YC Students Blocks 4-9

	Dates	Time	Location
APPE Rotation <u>Each rotation block is 6 weeks.</u> *Each block will begin on a Monday and end on a Friday unless noted otherwise. **For the noted holidays, the students will not be at the site.	<u>Block 1:</u> April 17 thru May 26, 2023 <u>Block 2:</u> May 30 thru July 7, 2023 * Tuesday start due to May 29 th Memorial Day holiday **July 4, 2023 Holiday <u>Block 3:</u> July 10 thru Aug 18, 2023 <u>Block 4:</u> Aug 21 thru Sept 29, 2023 **Labor Day September 4, 2023 <u>Block 5:</u> Oct 2 thru Nov 10, 2023 <u>Block 6:</u> Nov 13 thru Dec 22, 2023 **Thanksgiving Day November 23, 2023 <u>Block 7:</u> Jan 8 thru Feb 16, 2024 <u>Block 8:</u> Feb 19 to March 29, 2024 <u>Block 9:</u> April 1 to May 10, 2024	Daily start and finish times will be set by the preceptor. Students are required to be at the site a minimum of 8 hours each day, 40 hours each week for a total of 240 hours. <i>Completion of all 240 hours is required for this rotation. These hours are reported to the State Board of Pharmacy.</i>	Assigned APPE rotation site
PharmD Seminar course	<u>Last Friday of the rotation</u> Students will return to campus the last Friday of each rotation or participate remotely if distant.	TBA Attendance is mandatory	Midwestern University campus Room - TBA

COURSE DIRECTORS:

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ROLE OF THE COURSE DIRECTORS:

The role of the course directors is to handle and organize exam questions, course grading, medical absences, overall format of the class and other related administrative issues.

COURSE INFORMATION

Hospital Pharmacy Rotation Goals:

The student under the supervision of an adjunct faculty member working with assigned professional and/or technical staff of the hospital pharmacy site will gain skill and experience in hospital pharmacy practice including drug distribution systems, automation/computerization, sterile product preparation, patient safety, medication reconciliation, performance improvement and practice management. The student will assess patient drug therapy, monitor clinical interventions, complete case presentations and selected projects. The student will develop a philosophy of practice regarding the role of the pharmacist as a member of the health care team.

Hospital Rotation Objectives:

At the end of this rotation, the student will be able to:

1. Develop and articulate the philosophy of hospital pharmacy practice
2. Demonstrate professional behaviors deemed necessary for practice in this setting
 - Identify the differences with providing patient centered care to patients in the hospital setting vs. the ambulatory care and community pharmacy settings.
3. Demonstrate effective communication skills (written and verbal) with patients and other health care providers.
4. Demonstrate critical thinking skills.
5. Demonstrate knowledge and performance skills in drug distribution and sterile product preparation.
 - Appropriate product selection, preparation, calculation and delivery
 - Automation utilized at site, including automated dispensing cabinets, computerized pharmacy system
5. Appropriately retrieve, interpret, intervene and monitor patient/lab/medication related data for the optimal medication management of the hospitalized patient. Students should be able to verbalize the rationale for these interventions. Including but not limited to:
 - Identify drug related problems
 - Medications requiring age or renal function dosing adjustment
 - Drug-drug, drug-disease, and/or drug-food interactions
 - IV to PO substitution
 - Therapeutic interchange
 - Medication history/medication reconciliation
 - Adverse Drug Reactions
 - Pharmacist run protocols (eg, anticoagulants, antibiotics, TPN)
6. Demonstrate understanding/purpose and pharmacy's role in quality improvement, including but not limited to
 - CORE measures
 - Medication errors
 - Clinical guidelines
7. Demonstrate knowledge and practice application of pharmacy regulations, including accreditation standards, National Patient Safety goals and other patient safety practices as it applies to the institutional setting.
8. Understand the role of the pharmacy in the hospital setting
 - Committee membership
 - Medication management policies, procedures
9. Demonstrate knowledge of pharmacy law as it applies to hospital practice
10. Maintain a professional experience binder and experience summary.

Student Responsibilities and Guidelines:

Student APPE Course Prerequisites:

The following is required for participation in each APPE course:

- ✓ Current resume or CV uploaded to RMS
- ✓ Current IL Pharmacy Technician Student license

- ✓ For rotations outside of Illinois: Each student must comply with all requirements for technician or intern licensure and registration of internship hours in the state where they are doing their rotation(s).
- ✓ Current immunizations & titers per MWU CPDG policy
- ✓ Current seasonal flu vaccine per MWU CPDG policy
- ✓ Current TB per MWU CPDG policy
- ✓ Complete special site-specific requirements as directed by OEE. May include but not limited to site forms, additional immunizations, titers, or TB
- ✓ Printed list of rotations
- ✓ Copy of CPR Card
- ✓ Copy of your Immunization Training Certificate from APhA
- ✓ Copy of your HIPAA compliance training certificate- most recent update
- ✓ Copy of your OSHA training certificate- most recent update
- ✓ Copy of your Universal Precautions training certificate- most recent update

Students may not participate in any APPE rotation if any of the above is not met.

Student Site Responsibilities:

1. Attendance and punctuality are required. Plan appropriately for weather, traffic delays, etc.
2. Dress professionally. Refer to MWU guidelines for professional dress. A white lab coat displaying MWU ID (and specific site ID badge if required) is to be worn during rotation hours.
3. Students are expected to display enthusiasm, professionalism, and confidentiality with regard to patients.
4. Students will need to comply with site's policy on the use of personal cell phones.
5. Courtesy counts! Please be respectful to the property of the rotation site and their belongings as well.
6. Please know that **HIPAA violations will result in failure of the rotation.** HIPAA and site-specific confidentiality guidelines are to be followed at all times.
7. Students may be assigned to work with various department personnel as assigned by preceptor to complete course objectives.
8. Progress is expected throughout the course of the rotation.

Student MWU Responsibilities/Requirements:

1. Project: Complete 2 projects as assigned by preceptor. Project may include journal club presentation, in-service, newsletter, quality improvement, DUE, ADR or patient safety project, drug monograph or other pertinent topic/project as determined by preceptor. Format, including handouts, will be determined by type/scope of project and as required by preceptor. If a Journal club is selected, article will be approved by preceptor and copies of the articles must be provided for all attendees on day of presentation along with the handout.
2. Worksheets: Completed worksheets (antibiotics, anticoagulants, antihyper/hypotensives, chemotherapy, calculations and TPN) to be discussed and signed by preceptor or designated pharmacist.
3. Be prepared! Students are expected to complete required readings prior to the start of rotation and follow their calendar assignments.
4. Topic discussions on disease state management and current guidelines, as well as, additional projects may be assigned by the preceptor. These may be done with other rotation students.
5. Additional projects that may be completed by the student will be rotation specific.

Patient interaction/monitoring: when working with healthcare staff, patients and their medical records, students must be certain to:

- Identify yourself and your role at the site, explaining the information collected will help the healthcare team optimally treat them.
- Always address a patient and healthcare staff as Mr., Mrs., Ms., Dr. unless instructed by the patient/healthcare member to do otherwise.
- Always thank them for their time and information.

- When contacting patients, you must document this in the chart indicating date, summary of discussion, co-signature of preceptor if intervention made.
- Conduct a medication review/reconciliation on appropriate patients. Make sure that they have a list of their medications to carry with them, including current doses, schedule, and allergies and education.

Rotation Assignments:

Assignments must be submitted on time. At the preceptor's discretion, late assignments will result in a deduction of points.

Patient Care and Confidentiality:

Patients are to be respected at all times. Follow adherence (patient and health care provider come to mutual understanding of treatment and goals) rather than compliance (patient is expected to do what health care provider dictates) model. Students will maintain the patient's right to confidentiality at all times. Under no circumstances shall the student discuss a patient with anyone unless that person has a medically-defined "need to know". Therefore, it is appropriate to discuss patients only with other health care workers directly involved in the patient's care. Discussion of patients in public areas is not permitted and is grounds for immediate removal from the site with a failing grade.

Students must at all times adhere to the MWU HIPAA policy and all site HIPAA policies.

Violation of HIPAA is unacceptable and is grounds for immediate removal from the site with a failing grade.

Examples of HIPAA compliance include, but are not limited to:

- Medical charts or any printed patient data/information with patient identifiers are not to leave the site under any circumstances.
- Patient data is to be accessed and disclosed only as needed for the treatment of a patient
- No discussion of patients in public areas
- No taking pictures of patients
- No posting pictures of patients online

Documentation:

Complete and proper documentation is a very important part of the job. Attorneys claim that if an encounter or conversation was not documented, it did not occur. Discuss with your preceptor for guidance on documentation. Always use black ink (not blue) in medical records.

Teaching:

- ✓ There will be no formal lectures during the course of this rotation; learning will be in the form of active participation.
- ✓ There will be discussions in which students are expected to participate, not just listen and take notes. The instructors and the students both can initiate such discussions. If students have questions concerning patient-specific issues and there is not time to address them at that moment or it would be inappropriate to discuss in front of the patient, the student should make a note and discuss with an instructor later in the day or week.
- ✓ If supplemental information on specific disease states is needed, students may initiate discussions after reviewing disease state guidelines, textbooks, etc. unless there is an immediate need for the information for reasons of patient safety. Students should inform the preceptors if help is needed in identifying up-to-date, credible sources of information.

Therapeutic Decision Making:

Students can be given increasing freedom to make decisions concerning medication related issues as determined appropriate by the preceptor. However, due to legal reasons, all decisions must be submitted to the preceptor before implementation. Only the preceptors have final authority on therapeutic decisions.

Workload:

This is a true clinical site (not “fabricated” site for student placement). As such, patient care must always come first. This should not be seen as a lack of interest in the students, but certain discussions and activities will be secondary to immediate patient care issues.

Student end of rotation submission of forms:

For each APPE rotation students will complete an Experience Summary, Preceptor/Site evaluation and Self-evaluation. The Community, Hospital, Gen Med and Am Care rotations also require submission of a Skills sheet.

- ✓ Please refer to the evaluation section for more details.
- ✓ These are to be completed and submitted by **11:59pm CST on the last Friday of each rotation.**
- ✓ If forms are submitted late, **the student’s final rotation grade will be penalized by 5% for each business day** that the form or forms are late.

Graded Experience Summary:

The Experience Summary is to be completed in Canvas and is due by **11:59pm CST on the last Friday of each rotation.**

Please note the following:

- The Experience Summary will be graded using an evaluation rubric.
- Thoughtful and complete answers are required for all items in the Experience Summary.
- Students must receive a score of 70% or higher to pass the Experience Summary requirement.
- Students who score less than 70% will be required to redo and resubmit their Experience Summary and will receive a 5%-point deduction (20 points) from their APPE rotation final grade.

Preceptor Guidelines/Responsibilities:

Are outlined in the APPE Preceptor Guideline document:

- Provides preceptors with a brief overview of the APPE rotations
- Is mailed to each preceptor in March of each year
- Is available on the preceptor web page at: www.midwestern.edu/cpdgpreceptors

EVALUATIONS AND GRADING:

Evaluation in this course will come from your preceptor:

- Mid-rotation evaluation
- Final rotation evaluation

While the experience will be coordinated by the primary preceptor, additional preceptors may be called upon to teach certain skills or supervise projects, depending on the organization of the site.

There will be one primary preceptor who will be responsible for the mid-rotation progress report, final evaluation, and grade of the student. However, additional preceptors may provide information for the primary preceptor to draw a final grade from.

The University assessment form will be used. The student will have a formal midpoint and final evaluation. Both the student and the preceptor will assess performance at mid-term, with the preceptor assigning the final grade. Informal evaluation will be done on a daily or as needed basis.

Preceptors MUST notify a course director of any student that is below minimum competence at the mid-rotation evaluation.

Remember all grades are earned, not given. If students are having difficulties with any of the material, ask the preceptor for help immediately. Do not wait until the 4th or 5th week of the rotation to ask for assistance.

APPE Hospital

CPDG Curricular Outcomes

Successful completion of this APPE rotation, will aide in your progressive achievement of the following curricular outcomes and outcome components.

I. Demonstrate professionalism

- A. Maintain professional responsibility and advocate such action in others
 - 1. Self-assess knowledge, skills, beliefs, biases, values, motivations, and emotions to develop a plan that enhances professional growth and continued competence
 - 2. Develop the skills necessary to confidently take the lead in initiating and/or achieving a shared goal
 - 3. Incorporate new knowledge into your practice of pharmacy
 - 4. Make and defend rational, ethical decisions within the context of professional values
 - 5. Identify and report unethical and unprofessional behavior to appropriate individuals and authorities
- B. Demonstrate professional behavior in all interactions with patients, caregivers, and other healthcare professionals
 - 1. Demonstrate confidentiality, sensitivity and tolerance in all interactions
- C. Represent and advance the profession of pharmacy
 - 1. Educate individuals, groups, organizations, and oneself to enable self-advocacy
 - 2. Educate policymakers and other stakeholders to inform their healthcare position
 - 3. Identify innovations that support the goals of the profession

II. Demonstrate critical thinking and problem solving skills

- A. Examine problems systematically and completely
- B. Demonstrate rational and reflective consideration of current knowledge, skills, attitudes, and beliefs necessary to formulate an informed decision
- C. Develop strategies to solve problems
 - 1. Identify a problem
 - 2. Develop innovative and/or logical thinking strategies to acquire, evaluate, integrate, and synthesize knowledge
 - 3. Demonstrate appropriate judgment when making decisions
- D. Create and implement the recommendation or solution appropriate for a given patient or situation
- E. Monitor and evaluate the effectiveness of the solution implemented, revising as appropriate

III. Communicate effectively

- A. Obtain relevant information necessary to facilitate healthcare decision-making
 - 1. Assess the health literacy of the target audience
 - 2. Identify appropriate methods (e.g., active listening) for gathering information
 - 3. Use effective interpersonal skills to establish and maintain relevant relationships
- B. Convey appropriate information by verbal and/or non-verbal means to the target audience
 - 1. Communicate clearly, responsibly, willingly, purposefully, and respectfully
 - 2. Choose strategies and media appropriate to the purpose of the interaction and to meet the audience's expectations and educational needs
 - 3. Demonstrate the ability to use a variety of communication strategies and media
- C. Develop professionally written communication strategies to meet the target audience's needs
- D. Evaluate the effectiveness of any communication encounter, modifying as necessary

IV. Practice evidence-based decision-making

- A. Retrieve and evaluate drug information and literature
 - 1. Select appropriate information from relevant and reliable sources
 - 2. Analyze and interpret published literature based on safety, effectiveness, and economic considerations of drug products, medical devices, and pharmacy services
- B. Apply information to patient-specific decisions
 - 1. Integrate evidence from relevant and reliable sources to form conclusions or recommendations for an individual patient
- C. Apply information to population-specific decisions
 - 1. Integrate evidence from relevant and reliable sources to form conclusions or recommendations for a patient population

V. Practice patient-centered care

- A. Establish relationships with patients, healthcare professionals, and other individuals
 - 1. Demonstrate the ability to engage patients in their own plan of care
 - 2. Participate in a shared decision-making process to ensure that the patients' best interests are represented
- B. Design a patient care plan to address therapeutic issues and promote health and wellness
 - 1. Obtain a patient history and review patient records, including laboratory and other relevant data
 - 2. Conduct relevant physical assessment
 - 3. Identify and prioritize a problem
 - 4. Design a plan using a patient's cultural beliefs and practices, as well as knowledge from the biomedical, pharmaceutical, social/behavioral/administrative, and clinical sciences
- C. Implement a patient care plan
 - 1. Communicate a care plan to appropriate healthcare professionals, patients, and other appropriate caregivers
 - 2. Select and dispense the appropriate medication and/or device, including accurate preparation, compounding, storage, and packaging
 - 3. Counsel patients on the purpose, use, and effects of prescription and nonprescription medications
 - 4. Refer patients to appropriate medical and social services
- D. Evaluate patient adherence and response to therapeutic recommendations and adjust the care plan as needed
- E. Document all types of patient care encounters by appropriate means

VI. Promote health and wellness

- A. Contribute to interventions designed to prevent disease and promote health and wellness in individuals
- B. Contribute to interventions designed to prevent disease and promote health and wellness in communities or populations
- C. Identify health disparities and inequities in access to quality care, as well as reduction strategies

VII. Manage medication use systems

- A. Practice in compliance with federal and state pharmacy laws and regulations, institutional policies, and professional guidelines, while taking into consideration ethical, cultural, and economic factors
- B. Identify medication use processes that align with patients' and providers' needs
- C. Identify and resolve issues related to the distribution and use of medications and related devices
- D. Participate in the management of formulary, purchasing, and procurement systems
- E. Participate in the development, implementation, and/or evaluation of quality improvement and quality assurance activities to identify, report, and minimize medication errors and adverse drug events
 - 1. Perform a medication use evaluation and recommend actions to improve medication use
 - 2. Conduct healthcare failure mode and effects analysis to identify and address potential points of error in the medication use process

3. Review adverse drug event reports and identify areas needing improvement or further evaluation
4. Perform a root cause analysis for a medication error

VIII. Manage a pharmacy practice

- A. Perform pharmacy management functions using appropriate data and procedures
 1. Apply appropriate federal and state pharmacy laws and regulations
 2. Identify human resources management principles to manage pharmacists, technicians, and other personnel as appropriate
 3. Identify financial management principles needed to manage resources
 4. Evaluate the potential value of incorporating technologic advancements
 5. Create a plan to market services to patients and relevant stakeholders
 6. Apply principles of quality management to continually improve pharmacy practice
- B. Evaluate the economic, clinical, and humanistic outcomes associated with the provision of pharmacy services
 1. Propose appropriate changes in practice to improve outcomes
- C. Modify existing and/or develop new pharmacy services as appropriate
 1. Propose changes to services based on updates to treatment guidelines, recently published literature, or generally accepted best practices
 2. Create a new or revised pharmacy service proposal based on the results from a patient or provider population needs assessment

IX. Contribute to the interprofessional healthcare environment

- A. Identify the roles and responsibilities of pharmacists and other healthcare professionals as well as their different approaches to patient care and problem solving
- B. Actively participate in the interprofessional healthcare environment to improve quality, continuity, and patient-centered care
- C. Evaluate the pharmacist's contributions to the healthcare team

Hospital APPE Rotation Assignments

1. Skills/Observation/Discussion checklist:

To be completed by student and preceptor over the 6 weeks of the rotation

To be signed by the preceptor

To be uploaded to Canvas by the student on the last Friday of the rotation

2. Two Rotation Specific Projects:

Preceptor to grade

Use the evaluation form provided & transfer the scores to the final evaluation form on RMS

Do not submit to OEE

3. Six Medication Worksheets:

Student must complete 6 over the 6 weeks

Preceptor to review and transfer the scores on the final evaluation form on RMS

Do not submit to OEE

4. Experience Summary:

To be completed by student and uploaded to Canvas on the last Friday of the rotation

Midwestern University College of Pharmacy Downers Grove

Hospital APPE Rotation

Skills/Observation/Discussion Checklist

****Student to submit to OEE on the last day of the rotation: upload to Canvas****

Student name: _____

Preceptor name: (print) _____

Preceptor Signature: _____

Rotation site: _____ Rotation start & end date: _____

Bed size _____ Distribution Model: centralized, decentralized, hybrid (circle applicable model)

Identify ADC (automated dispensing cabinet) model at site _____

Automation present at site: _____

Risk Level of Compounded Sterile Products made _____

Instructions for preceptor and student:

1. Student to train with preceptor and other staff members and then show return demonstration of proficiency for items listed. **Level of independent proficiencies will be used in final grade. Asterisked (*) items are minimum required skills for this rotation.**
2. If the skill at the site is not available for student to gain independent proficiency, student is to observe staff and discuss understanding of process with preceptor.
3. If the skill is not available at the site, the students are to gain knowledge and understanding in the areas designated through discussion only.
4. The preceptor should sign or initial a box for each skill as it is completed.

	Skill Demonstrated	Skill Observed & Discussed	Discussion only	Skill not available at site
1. <u>Distribution</u> Demonstrated skill to include accuracy of product selection and calculations, timeliness, and completed documentation				
*a. stock replenishment process ADC				
*b. manual stock replacement process				
*c. medication cart fill list				
*d. patient specific doses, including liquids				
*e. delivery of medications to units				
f. cart exchange				
*g. stat meds				
*h. packaging/repackaging of unit dose meds, including proper expiration dating				
i. automation in distribution process including robot, packager, carousel, bar coding, etc				
j. process for patient to use their own medications from home				

	Skill Demonstrated	Skill Observed & Discussed	Discussion only	Skill not available at site
<u>2. Controlled Substances</u> Demonstrated skill to include accuracy of product selection and calculations, timeliness, and completed documentation				
a. distribution from pharmacy				
b. documentation on nursing unit				
c. waste and return processes				
d. discrepancy resolution documentation				
<u>3. Order entry</u>				
a. process for order to be sent to pharmacy				
b. order prioritization process				
c. order entry/verification process				
*d. Student able to read physician orders				
*e. Student to identify and rectify medication orders with required pharmacist interventions				
*Possible duplicate order				
*Possible medication allergy				
*Possible drug/drug interactions				
*Incomplete/inappropriate orders				
*Therapeutic substitute				
*Renal dose adjustment				
*IV to PO protocol				
Titration orders				
*Request for non-formulary medications				
*Automatic stop order				
*Standard Admin Time				
Other interventions (please list in weekly updates)				
*f. Review MAR and administration documentation,(including bedside barcoding)				

	Skill Demonstrated	Skill Observed & Discussed	Discussion only	Skill not available at site
<u>4. Compounded sterile products, including processes and required documentation</u>				
*a. complies with sterile room protocol, including proper gowning, hood cleaning				
*b. compound small volume parenterals				
*c. compound large volume parenterals				
d. preparation of TPNs				
e. preparation of pediatric CSP				
f. preparation of epidurals, PCA and other misc preps				
g. Chemotherapy product preparation				
*h. complies with proper waste requirements, including sharps, biohazard, chemo and medicinal hazards				
*i. determines and rectifies any compatibility or stability issues				
*j. Review MAR and administration documentation				
<u>5. Clinical, Quality Responsibilities</u>				
*a. Assess appropriateness of medication order for patient condition				
* b. ADR (identification, documentation, reporting)				
*c. Medication Reconciliation/Drug History				
d. Patient counseling				
e. Patient Care Rounds				
f. Core Measure- pharmacist responsibilities				
*g. Medication Error reporting				
*h. Patient Safety initiatives including NPSG				
Antibiotic monitoring/stewardship				
*j. Pharmacist run dosing regimens (vanco, warfarin, heparin etc)				
k. Attend hospital or department meeting				
l. Drug Information				

**MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #1- Anticoagulants**

Student Name _____ **Date** _____

Site _____

Using your site's formulary, list 2 parenteral anticoagulants and answer the questions about each one. Have your preceptor or assigned pharmacist verify content and sign _____

Attach a non patient specific copy of an anticoagulant protocol order set used at your site

	Medication #1	Medication #2
1. Name (Generic/Brand)		
2. Routes of Administration- if IV drip give standard diluent and standard concentration		
3. Available Strengths		
4. Dose for DVT Prophylaxis (Adult)		
5. Dose for DVT Treatment (Adult)		
6. Dose with renal/hepatic impairment for #4		
7. Dose with renal/hepatic impairment for #5		
8. Lab values monitored		
9. Reversal Agent available? If so, describe.		
10. Pharmacist dosing/monitoring strategies? If so, list		
11. As a NPSG for Anticoagulants, list 3 strategies used at your site in the Med Use Processes that help ensure safe and accurate use	1 2 3	1 2 3

**MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #2- Chemotherapy**

Student Name _____ **Date** _____

Site _____

Using your site's formulary, list 2 parenteral chemotherapeutic agents and answer the questions about each one. IF your site does not compound chemotherapeutic agents please determine 2 common products and use those. Have your preceptor or assigned pharmacist verify content and sign _____

	Medication #1	Medication #2
1. Name (Generic/Brand)		
2. Routes of Administration IF IV give compatible diluents and any special preparation requirements)		
3. Available Strengths		
4. Indications for treatment		
5. Common regimens associated with this agent		
6. Dosing for primary indication (either of drug or by use at site)		
7. Dose with renal/hepatic impairment		
8. Lab values monitored		
9. Common side effects- do these agents require pre medication treatment? If so, what		
10. Pharmacist dosing/monitoring strategies? If so, list		
11. As a NPSG for High Alert Medications, list 3 strategies used at your site in the Med Use Processes that help ensure safe and accurate use	1 2 3	1 2 3

**MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #3 - Intravenous Antihypertensive/Hypotensive Worksheet**

Student Name _____ **Date** _____

Site _____

Using your sites formulary, complete the following selecting a different and appropriate intravenous agent available at your site for each disease state

Have your preceptor or assigned pharmacy verify content and sign _____

	Intracerebral Hemorrhage	Eclampsia	Hypotension associated with sepsis
Drug			
Drug Class			
Effect on HR			
Effect on myocardial contractility			
Contraindications			
Onset of action			
Half Life			
Elimination			
Dosing			
If IV infusion, select standard diluent and standard concentration			

**MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #4 Antibiotics**

Student Name _____ **Date** _____

Site _____

Using your sites formulary complete the following

Have your preceptor or assigned pharmacist verify content and sign _____

1. S.A is an AAF who presents to the emergency department with SOB and yellow/green sputum. S.A is diagnosed with community-acquired pneumonia. The physician calls asking for a recommendation for an intravenous medication regimen. Fill out the chart below with agents from different drug classes that are available at this site.

	Medication #1	Medication #2
Drug Class		
Indication(s)		
Mechanism of Action		
Dosing		
Dosing adjustments Renal Hepatic		
Diluent and volume		
Infusion time		
Duration of Therapy		
Coverage		

2. After receiving one dose of a cephalosporin, S.A goes into anaphylaxis. List another agent that can be used in place of a cephalosporin for the treatment of community-acquired pneumonia.

Antibiotic Worksheet page 2

P.D is an 87 yo male who comes to the ED with complaints of increase urinary frequency and a burning sensation with urination. Patient was started on cephalexin 500mg q12hrs empirically until sensitivities return. A few days later the sensitivities return and are as follows

ANTIBIOTIC SUSCEPTIBILITY TEST RESULTS: CITROBACTER KOSERI (DIVERSUS)

AMIKACIN	S
AMPICILLIN	R
AMP/SULBACTAM	S
AZTREONAM	S
CEFAZOLIN	S
CEFEPIME	S
CEFTAZIDIME	S
CEFTRIAZONE	S
CIPROFLOXACIN	S
ERTAPENEM	S
GENTAMICIN	S
IMIPENEM	S
PIP/TAZOBACTAM	S
TOBRAMYCIN	S
TRIMETH/SULFAM	S

1. Is cephalexin an appropriate choice for this patient? If yes, is the dose appropriate and what is the recommended duration of therapy? If no, give an alternative treatment option including dose and duration.

2. Patient returns in 3 weeks with complaints of similar symptoms. Should cephalexin be restarted? If yes, give the dose and duration of therapy. If no, why and give an alternative treatment option including dose and duration.

**MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #5- PN (Parenteral Nutrition) Worksheet**

Student Name _____ **Date** _____

Site _____

Complete the following. Show all calculations.

Have your preceptor or assigned pharmacist verify content and sign _____

1. A 70kg surgical patient with normal renal function has been initiated on the following parenteral nutrition. The total volume for 24hours is 2000ml (83ml/hr)

Amino Acids	4.25%
Dextrose	20%
Sodium chloride	50mEq/l
Potassium chloride	20mEq/l
Calcium Gluconate	8mEq/l
Magnesium Sulfate	8mEq/l
Sodium Phosphate	20mmol/l
Potassium Acetate	20mEq/l
MVI adult	daily- standard package
Trace elements adult	daily- standard package
Selenium	60mcg/day
Fat emulsion 20%	250ml to run over 12 hours daily IVPB into PN

- a. Venous Access. Is this formulation appropriate for peripheral or central access or is either appropriate?
State your reasons/ show calculation.
- b. What is the total protein in grams the patient is receiving daily?
- c. What is the total Kcal/day the patient is receiving?
- d. Is there a concern for calcium/phosphate solubility compatibility in this formulation?

- e. Besides the calcium and phosphate concentrations, list 3 other factors that influence ca/phos compatibility.

 - f. List 4 lab values you would monitor while patient is receiving this PN.

 - g. What is the formula used to calculate corrected serum calcium?

 - h. On day 4 the triglyceride level = 425. What are your recommendations, if any?
2. A neonate requires a 12.5% Dextrose/water solution for IV infusion. It is not commercially available. Using the concentrations of IV Dextrose available at your site, please show how you would prepare 250ml of 12.5%D5W solution.

MWU College of Pharmacy Downers Grove
Hospital APPE Rotation
Medication Worksheet #6 – Calculations

Please show all calculations. Review and discuss with preceptor.

When completed preceptor's signature _____

1. You receive an order for Ranitidine po 2mg/kg/day divided every 12 hours for a term infant boy weight = 7lbs 8ounces.
 - a. What is the dose in mg?

 - b. What is the dose in ml you would draw up in an oral syringe using Ranitidine Syrup?

2. MD writes an order for L.P. 88y/o female, 145lbs, 5ft6in with Serum Creatinine of 1.4 for Bactrim IVPB 5mg/kg q6hr.
 - a. Using Cockcroft-Gault, calculate creatinine clearance.

 - b. What is each dose in mg (based on trimethoprim)?

 - c. Based on crcl, is this order correct or do you need to make an intervention/dose adjustment? Please describe why or why not. If an intervention is needed, what is your recommendation to MD.

3. Pharmacy to dose Vancomycin IVPB with target trough of 15mcg/ml. for 59y/o male 5'8" 235lbs. Current SrCr= 1.1.
 - a. What initial dose would you recommend?

 - b. What is the volume of diluent you would use for this dose? Why?

 - c. What infusion time would you have the nurse run this dose over?

4. Pharmacy receives order to begin Dopamine infusion 6mcg/kg/min for K.L. 70y/o female in the ICCU. Pt weight is 153lbs.
 - a. The nurse calls down to double check how to set her pump in ml/hr. Using your site's standard concentration which is _____, what is your answer to her?

5. Your pre op surgery area uses Midazolam oral syrup for preoperative sedation. A 3y/o boy weighing 28 lbs is to be given 0.5mg/kg.

a. What is the dose in mg?

b. Using oral syrup, what is the dose in ml?

6. Norepinephrine infusion is started at 0.5mcg/min for T.J. 65y/o male weight = 218lbs.

a. What is your site's standard concentration?

b. How does the RN at your site set the pump in ml/hr for this starting dose?

**MWU College of Pharmacy Downers Grove
Hospital APPE Project #1 Evaluation Form**

Student Name: _____ Date: _____

Preceptor Name: _____ Site Name: _____

USE THE FOLLOWING 4-POINT SCALE TO ANSWER THE FOLLOWING QUESTIONS.

****ONLY WHOLE NUMBERS MAY BE USED; NO FRACTIONS OR DECIMALS**

4 Very Good	3 Good	2 Needs Improvement	1 Significant Deficit
Student has performed very well and functions in an independent manner (> 80% of time).	Student has performed above minimum requirements and functions in an independent manner (> 70% of time).	Student has met some minimum requirements and functions in an independent manner (> 50% of time).	Student has not met minimum requirements and cannot function independently.

Please Note: A final score of 1 in any item numbered 1-5 will result in failure of the rotation

1. The completed project met intended purpose, criteria of project.	4	3	2	1
2. The student was familiar with the intended goal of the project.	4	3	2	2
3. The student did the necessary researching of the project.	4	3	2	1
4. The student demonstrated the ability to follow-through with the project from conception to conclusion and used effective time management in completing the project.	4	3	2	1
5. The project and supporting materials were of a professional quality. All educational materials were properly referenced.	4	3	2	1

Project Description: _____

Comments: _____

Grading = Total points for all sections (maximum points = 20)

Final Score: _____

****Transfer the student's final score to the Final Evaluation Form Section III: Rotation Specific Assignments Project dimension when completing the final evaluation online via RMS**

Preceptor signature: _____ Date: _____

**MWU College of Pharmacy Downers Grove
Hospital APPE Project #2 Evaluation Form**

Student Name: _____ Date: _____

Preceptor Name: _____ Site Name: _____

USE THE FOLLOWING 4-POINT SCALE TO ANSWER THE FOLLOWING QUESTIONS.

****ONLY WHOLE NUMBERS MAY BE USED; NO FRACTIONS OR DECIMALS**

4 Very Good	3 Good	2 Needs Improvement	1 Significant Deficit
Student has performed very well and functions in an independent manner (> 80% of time).	Student has performed above minimum requirements and functions in an independent manner (> 70% of time).	Student has met some minimum requirements and functions in an independent manner (> 50% of time).	Student has not met minimum requirements and cannot function independently.

Please Note: A final score of 1 in any item numbered 1-5 will result in failure of the rotation

1. The completed project met intended purpose, criteria of project.	4	3	2	1
2. The student was familiar with the intended goal of the project.	4	3	2	2
3. The student did the necessary researching of the project.	4	3	2	1
4. The student demonstrated the ability to follow-through with the project from conception to conclusion and used effective time management in completing the project.	4	3	2	1
5. The project and supporting materials were of a professional quality. All educational materials were properly referenced.	4	3	2	1

Project Description: _____

Comments: _____

Grading = Total points for all sections (maximum points = 20)

Final Score: _____

****Transfer the student's final score to the Final Evaluation Form Section III: Rotation Specific Assignments Project dimension when completing the final evaluation online via RMS**

Preceptor signature: _____ Date: _____

Hospital APPE Rotation Evaluations

How to Complete Evaluations

PRECEPTORS:

Please log onto RMS to complete the following:

1. Mid-rotation progress note- to be completed by the end of week 3
2. Final rotation evaluation- to be completed by the last day of the rotation

Or submit a paper copy of the mid-rotation progress note and/or the final evaluation form via fax or email to OEE.

- ✓ Fax number: 630-515-6103.
- ✓ Email: cpdgoee@midwestern.edu

A paper copy of each evaluation form is provided in this syllabus.

STUDENTS:

Please log onto RMS to complete the following:

Preceptor and site evaluation- due by 11:59pm on the last day of the rotation

Self-evaluation- due by 11:59pm on the last day of the rotation

Upload PDF copy to Canvas:

Skills sheet- due by 11:59pm on the last day of the rotation

Complete in Canvas:

Experience Summary- due by 11:59pm on the last day of the rotation- will be graded by OEE

**Midwestern University College of Pharmacy
APPE Patient Care Mid-Rotation Evaluation 2023-24**

Student Name _____ Date _____

Preceptor Name _____

Site Name _____

Directions

The preceptor MUST complete a mid-rotation evaluation for each student by the end of week three. This form must be presented to the student. Their progress, strengths, and areas for improvement should be discussed.

4 Very Good	3 Good	2 Needs Improvement	1 Significant Deficit
Student has performed very well and functions in an independent manner (> 80% of time).	Student has performed above minimum requirements and functions in an independent manner (> 70% of time).	Student has met some minimum requirements and functions in an independent manner (> 50% of time).	Student has not met minimum requirements and cannot function independently.

If a score of 1 is chosen, please contact OEE so a Performance Improvement Plan may be initiated.

PROFESSIONALISM & ACCOUNTABILITY				
Punctual, ethical, diplomatic, respectful, accountable, self-aware, motivated, engaged	4	3	2	1
Comments:				

PHARMACIST PATIENT CARE PROCESS (PPCP) – DIRECT PATIENT CARE				
COLLECT: Collects appropriate and pertinent patient information	4	3	2	1
ASSESS: Interprets, analyzes, and evaluates patient information and medication orders/prescriptions Applies foundational knowledge to patient care, performs fundamental pharmacy calculations	4	3	2	1
PLAN: Contributes to daily pharmacy operations Demonstrates appropriate problem-solving and critical thinking skills Develops a collaborative patient-centered care plan	4	3	2	1
IMPLEMENT: Implements the patient-centered care plan Communicates effectively	4	3	2	1
FOLLOW-UP – MONITOR & EVALUATE: Monitors and evaluates effectiveness of the care plan	4	3	2	1
Comments:				

ROTATION ASSIGNMENTS				
Assignments to date turned in on time, complete, accurate, and of professional quality	4	3	2	1
Comments:				

Evaluate the student's overall performance to date as either:

- PASS – at or above minimum competency
- FAIL – below minimum competency

Preceptor signature _____ Date _____

MWU COLLEGE OF PHARMACY APPE HOSPITAL
(PPRAD 1803/1782) Patient Care Evaluation by Preceptor 2023-24

Student Name _____ Date _____

Preceptor Name _____

Site Name _____

DIRECTIONS:

For each item listed below, please select the value which best describes the student's typical performance.

Please note: The 4, 3, 2, 1 on the rubric do not correspond to a final grade of A, B, C or F. The student's final rotation grade is based on points earned out of a total 400 possible points.

Please use this 4-point scale to assess the student.

This rubric applies to all 3 sections of the evaluation form.

***Only whole numbers may be used. No fractions or decimals allowed.**

4 Very Good	3 Good	2 Needs Improvement	1 Significant Deficit
Student has performed very well and functions in an independent manner (> 80% of time).	Student has performed above minimum requirements and functions in an independent manner (> 70% of time).	Student has met some minimum requirements and functions in an independent manner (> 50% of time).	Student has not met minimum requirements and cannot function independently.

SECTION I - This section accounts for 30% of the final grade calculation

PROFESSIONALISM & ACCOUNTABILITY				
Please Note: A final score of 1 in any item numbered 1 – 8 will result in failure of the rotation				
1. Exhibits professional behaviors that promote high professional standards (punctuality, attire, flexibility, site & preceptor policy adherence, team effort).	4	3	2	1
2. Demonstrates self-awareness and accountability of knowledge, skills, strengths, limitations, and emotions to enhance personal and professional development.	4	3	2	1
3. Demonstrates motivation, engagement, reliability, and responsibility (timeliness of assigned tasks/projects, quality of work, adherence to legal and ethical standards)	4	3	2	1
4. Demonstrates professional and respectful interactions with preceptors, patients, and other health care professionals, including technicians, pharmacists, providers, and staff.	4	3	2	1
5. Demonstrates compassion, empathy, and respect to assure that the patients' best interests are represented.	4	3	2	1
6. Maintains confidentiality and privacy of patient and/or site-specific data and documents; strictly follows HIPAA guidelines.	4	3	2	1
7. Avoids plagiarism (copying another person's idea or written work and claiming it as their own); clearly and correctly acknowledges other's ideas or works (i.e., uses proper citations).	4	3	2	1
8. Displays cultural, social, and educational sensitivity and tolerance when interacting with others.	4	3	2	1

SECTION II - This section accounts for 40% of the final grade calculation

PHARMACIST PATIENT CARE PROCESS (PPCP) – DIRECT PATIENT CARE

Please Note: A final score of 1 in any item numbered 1 – 15 will result in failure of the rotation

COLLECT

1. Collects appropriate and pertinent patient information (age, weight, medical and medication information, medication adherence from patient and medical record) to identify medication-related problems and health-related needs.	4	3	2	1
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ASSESS

2. Interprets, analyzes, and evaluates information from the patient/caregiver, medical record, and/or physical assessment to identify medication-related problems and health-related needs.	4	3	2	1
3. Interprets and evaluates medication orders/prescriptions/regimens for accuracy and completeness and safety and efficacy (interactions, stability, compatibility, route of administration, or pharmacokinetic considerations).	4	3	2	1
4. Applies foundational drug and disease state knowledge to patient care (brand/generic drug names, indication, MOA, dosing, adverse effects, pharmacokinetic/pharmacodynamic principles).	4	3	2	1
5. Performs fundamental pharmacy calculations when evaluating medication orders/prescriptions/regimens (days supply, weight-based dosing, appropriate quantities, CrCl, pharmacokinetic dosing).	4	3	2	1

PLAN

6. Contributes to daily pharmacy operations and fulfills medication orders/prescriptions/regimens (safely dispenses and administers drugs, adheres to professional and legal guidelines when fulfilling a prescription).	4	3	2	1
7. Retrieves, analyzes, and applies appropriate drug information and/or scientific literature.	4	3	2	1
8. Demonstrates appropriate problem-solving, critical thinking, and/or clinical reasoning. Supports recommendations with accurate, well-reasoned, deeply explored rationale.	4	3	2	1
9. Works effectively with other healthcare professionals to foster a team approach to patient care.	4	3	2	1
10. Develops a patient-centered care plan in collaboration with patient, preceptor, and other appropriate parties (health care providers, caregivers).	4	3	2	1

PHARMACIST PATIENT CARE PROCESS (PPCP) – DIRECT PATIENT CARE

IMPLEMENT

1. Implements the care plan in collaboration with other health care professionals and the patient or caregiver (educates a patient on use of a new medication, proper medication administration techniques, medication adherence aids, preventative care).	4	3	2	1
2. Communicates effectively through verbal and non-verbal interactions.	4	3	2	1
3. Communicates patient-centered care plans and activities effectively through written documentation (clear, concise, professionally written, appropriate citations/references).	4	3	2	1
4. Provides patient education regarding disease prevention and appropriate self-care (including lifestyle modifications, nonprescription therapies, and immunizations against vaccine-preventable illnesses).	4	3	2	1
<u>FOLLOW-UP - MONITOR & EVALUATE</u>				
5. Monitors and evaluates the effectiveness of the care plan and recommends changes to the plan as needed.	4	3	2	1

SECTION III - This section accounts for 30% of the final grade calculation

ROTATION SPECIFIC ASSIGNMENTS & ASSESSMENT

Please Note: A final score of 1 in any item numbered 1-2 will result in failure of the rotation

1. <u>PROJECT #1</u>				
The completed project met intended purpose, criteria of project	4	3	2	1
The student was familiar with the intended goal of the project.	4	3	2	1
The student did the necessary researching of the project.	4	3	2	1
The student demonstrated the ability to follow-through with the project from conception to conclusion and used effective time management in completing the project.	4	3	2	1
The project and supporting materials were of a professional quality. All educational materials were properly referenced.	4	3	2	1
2. <u>PROJECT #2</u>				
The completed project met intended purpose, criteria of project	4	3	2	1
The student was familiar with the intended goal of the project	4	3	2	1
The student did the necessary researching of the project.	4	3	2	1
The student demonstrated the ability to follow-through with the project from conception to conclusion and used effective time management in completing the project.	4	3	2	1
The project and supporting materials were of a professional quality. All educational materials were properly referenced.	4	3	2	1

3. General skills: Student successfully completed tasks on the Skills/Observation/Discussion sheet.	4	3	2	1
4. Worksheets: Student work is independent and accurate in completion of 6 worksheets	4	3	2	1

Interprofessional Experience (IPE) Opportunities

1. During this rotation did the student have the opportunity to work with an interprofessional health care team?

- Yes No

If yes, please also reply to items 2-4 below.

2. The student had interactions with the following health care professionals. Check all that apply.

- Physicians
- Medical students
- Mid-level practitioner (PA, NP)/mid-level students
- Dentists/dental students
- Nurses/nursing students
- Speech therapy
- Physical therapy
- Occupational therapy
- Respiratory therapy
- Social workers
- Other _____

3. Select the deepest level of student interactions with the health care professionals noted in #2.

<input type="checkbox"/> Passive professional interaction (observation/shadowing)	<input type="checkbox"/> Active professional interaction (actively participating, making recommendations)	<input type="checkbox"/> Collaborative professional interaction (integrated, shared decision making)
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4. Select the frequency of student interactions with the health care professionals noted in #2.

<input type="checkbox"/> 1-2 times per week	<input type="checkbox"/> 3-4 times per week	<input type="checkbox"/> Daily
---	---	--------------------------------

MANUAL GRADE CALCULATION

1. Section I Grade Calculation: Total all dimensions from Section I and divide by 8 = _____ , multiply x 0.30 = _____ , multiply by 100 _____
2. Section II Grade Calculation: Total all dimensions from Section II and divide by 15 = _____ , multiply x 0.40 = _____ , multiply by 100 _____
3. Section III Grade Calculation: Total all dimensions from Section III and divide by 12 = _____ , multiply x 0.30 = _____ , multiply by 100 _____
4. Final grade: Sum of sections 1 + 2 + 3 = _____

A 400-350	B 349-310	C 309-270	F ≤ 269
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Final Letter Grade = _____

The student has completed a minimum of 240 hours on this rotation.

- Yes No

Preceptor Signature _____ Date _____

*******Proper documentation of student APPE rotation hours is required. These hours are reported to the IL State Board of Pharmacy. Preceptors are required to inform Professor Lullo if a minimum of 240 hours has not been completed by the student.**

If you are completing a paper copy evaluation form, please fax to OEE at 630/515-6103, or email to cpdgoee@midwestern.edu

CPDG EXPERIENTIAL EDUCATION APPE POLICIES

APPE ROTATION PREREQUISITES:

Communication of required prerequisites:

Students are required to check their MWU email daily for notifications from the OEE or any of the sites to which they are assigned.

It is the student's responsibility to keep their MWU email account active and open so that new emails may be delivered.

All correspondence regarding:

- missing immunization records,
- the need to meet special site requirements,
- rotation cancellations or changes,
- evaluations, rotation forms

will be sent via MWU email. **This email will serve as official notice.** Failure to read and follow instructions in the email regarding cancellation of rotation(s), missing immunization records and special site requirements will not constitute an excuse for non-compliance.

If a student plans to be away or will be unable to access email prior to a scheduled rotation, the student must contact Ms. Mees well in advance to ensure that all onboarding is completed for their upcoming rotation.

Ms. Mees will begin to email students with any onboarding requirements 10 to 12 weeks prior to the start of each APPE. These emails will contain specific instructions and due dates which must be followed.

- ✓ Students who fail to have all MWU and/or site requirements completed by the due date for each APPE rotation are at risk of having that rotation cancelled. If this occurs, there is no guarantee that a replacement rotation will be available for the same block. The replacement rotation may be scheduled following your last scheduled APPE and this will delay your planned date of graduation.
- ✓ If the student fails to complete special site requirements on time, the site may cancel the rotation. **OEE cannot override this decision by the site.** If this occurs, there is no guarantee that a replacement rotation will be available for the same block. The replacement rotation may be scheduled following your last scheduled APPE and this will delay your planned date of graduation.

Rotation Binder:

The binder will serve as a tool to help students review what has been accomplished so far, and what remains to be accomplished in order to successfully meet all the requirements for experiential education. Preceptors will also be able to get a "snapshot" of the student's skills and abilities, and project topics completed as they progress through their rotations.

How to set up the binder:

- Purchase a 2 to 3 inch 3-ring binder
- Place your name on the outside of the binder
- The first section of the binder must have the following in the order listed below:
 - Resume or C.V.
 - Printed list of rotations
 - Copy of student technician/intern license
 - Copy of CPR Card
 - Copy of Immunization Training Certificate from APhA
 - Copy of HIPAA training certificate- most recent update
 - Copy of Universal Precautions training certificate- most recent update

- Copy of OSHA training certificate- most recent update
- Copy of up-to-date immunization record (print from your MWU portal)
- Pledge of Professional Conduct on Rotations (will be given to you)
- Insert divider tabs for each APPE rotation:
 - Community PPRAD 1802/1781
 - Hospital PPRAD 1803/1782
 - General Medicine PPRAD 1804/1787
 - Ambulatory Care PPRAD 1805/1784
 - Clinical Specialty PPRAD 1806/1785
 - Elective PPRAD 1807/1786
- Keep paper copies of all required assignments for rotations in addition to any work completed “above and beyond” the minimum.

What does NOT go into the binder?

ANY PATIENT IDENTIFYING MATERIAL THAT WOULD CONSTITUTE A BREACH OF PATIENT CONFIDENTIALITY ACCORDING TO THE HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT OF 1996 (HIPAA)

How to use the binder:

- Students will be expected to have their binder with them AT ALL TIMES while at each rotation site.
- At the start of each rotation, students should present their portfolio to the preceptor as part of setting the rotation expectations, goals and assignments.
- Binders will be randomly checked for completeness and general appearance.
 - This may be done:
 - During the on campus meeting the last Friday of each rotation
 - You will be notified if you need to bring it with you that day
 - By an OEE site visitor during a visit to the site

Licensure:

Illinois Pharmacy Technician Student license

Students must have a valid Illinois Pharmacy Student Technician license in the state of Illinois to be allowed in the experiential program of the curriculum. Students without a current Pharmacy Technician Student license will not be allowed to start rotations. A copy of the student’s current license must be kept in their rotation binder.

- Students are required to renew their Illinois Pharmacy Technician Student license and provide a copy of the new license to OEE by **March 1st of each year FINAL DUE DATE**
- Students are required to maintain their Illinois Pharmacy Student technician license even while on rotations in another state.

For rotations outside of Illinois: Students must comply with all requirements for technician or intern licensure and registration of internship hours in the state where they are doing their rotation(s). Students must consult the Board of Pharmacy of the state for details on requirements for students doing rotations in that state.

Students must submit proof (copy of the license) to the OEE to show that they are in compliance with state specific regulations. A copy of the license must be kept in the student’s rotation binder.

Please note: Students must provide the Director of Experiential Education any information regarding disciplinary actions taken by the Department of Financial and Professional Regulation against their Technician license, including the date(s) of discipline and a brief synopsis of the case. A student who has their technician license revoked or suspended will result in the student being withdrawn from the experiential program.

Immunizations and Site-Specific Requirements:

The University requires that students submit documented laboratory proof of the absence of tuberculosis (**updated yearly**) by having a 2-step TB test. It is recommended that students obtain a 2-step test at the time of their yearly TB test renewal. For students with a positive skin test, absence of disease via chest x-ray is required, and must be updated every 2 years. Some sites may require a yearly chest x-ray. Proof of immunization against measles, mumps rubella, varicella (chicken pox), Tdap (updated every 10 years), and hepatitis is required prior to matriculation. QUANTITATIVE TITERS are required to assess immunity for measles, mumps, rubella, varicella, and hepatitis B. There may be some exceptions depending on the student's particular health status and some site requirements may be more stringent. Any exceptions must be documented by a physician.

Seasonal Flu Vaccine:

All CPDG students will be required to receive an annual flu vaccine and provide documentation to the Wellness Center. APPE students must plan to have their updated flu shot vaccine by **September 30th of each year**, or sooner if required by the site- **But not before September 1st**

It is the student's responsibility to check and monitor the immunizations, titers and TB dates on file with the MWU Wellness Center. This can be checked by going to <http://online.midwestern.edu/> Please note: Students may not start a rotation with a TB that will expire during the rotation. For example if a student's TB will expire on 4-30-23, they are required to renew it before the start of APPE block 1 and meet the due date given by OEE via email.

DRESS CODE:

As stated in the MWU Student Handbook

http://mwunet.midwestern.edu/administrative/SS/ssSH_policy.htm#43

Students are expected to dress in an appropriately professional manner. Some departments may establish a dress code for particular activities (eg., scrubs for dental lab; closed-toed shoes for gross lab). The wearing of clothing having caricatures, messages, symbols, etc, that, based on societal norms, can be construed to be vulgar, offensive or to contribute to creating a hostile learning/academic environment demonstrates inappropriate professional judgment that may be subject to review and action by the Dean of Students along with the student's respective college Dean.

If a student is in a facility participating in patient care—no matter how briefly—he or she must comply with the following dress code:

- The photo identification badge must be worn so that it is visible to anyone approaching.
- Clean, professional coats or jackets that clearly identify students according to their professional program and status and distinguish them from physicians and other health care professionals must be worn by students when with a patient, unless other dress is specified by the program/college or service (eg., scrub suits in surgery, obstetrics or dental labs/clinics).
- Male students are encouraged to wear a tie. When they do not wear a tie, only the top button of their shirt should be open at the neck.
- T-shirts, sweatshirts, halter tops, tank and tube tops, and backless or midriff-baring tops are not allowed.
- Casual slacks, blue jeans, fatigues, white trousers, short skirts, short dresses and shorts are not permitted.
- Dress shoes with socks/stockings are required, except in the dental clinic/simulation lab, surgery or obstetrics, where clean athletic shoes may be allowed.
- Sandals are not acceptable.

- Any visible body piercing, except ears, must be removed.
- Visible tattoos should be discretely covered.
- Scrub suits are not to be worn except when the student is on the obstetrics service, in surgical scrub, in the emergency department or in the dental clinic/simulation lab.
- Scrub suits are not to be worn in other areas of medical centers, particularly not on the floors where there are patients or in the cafeteria (except in an emergency situation and only if the scrub suit is covered by a white coat.)
- Hair is to be neat, clean, and properly maintained, and a natural hair color.

Failure to observe these dress code policies may result in the student being asked to leave the premises. Habitual violators are subject to disciplinary action. Individual sites may have dress code requirements that are more stringent than those outlined above. Students must also comply with the dress code of the facility in which they are rotating.

BEFORE THE ROTATION BEGINS:

- Students should contact the preceptor approximately 10-15 days prior to the first day of rotation to discuss where to park, where to meet the first day and any site or rotation specific logistics, and/or pre-reading assignments if applicable.
- It is best to use the preceptor's business email address. If the preceptor is a CPDG grad, do not use their MWU email account. The preceptors typically do not check that email on a regular basis.

THE FIRST WEEK OF ROTATION:

- Discuss rotation specific expectations, goals, assignments, and due dates. CPDG course requirements are detailed in the syllabus for each APPE rotation.
- Inquire who to report to if your preceptor is not onsite or unavailable.
- Inquire what is the best way to contact your preceptor if you need to report that you are sick or running late

ROTATION ATTENDANCE:

- Students are required to be at the rotation site for a minimum of 40 contact hours per week; a minimum of 8 hours per day; a minimum of 240 hours for each APPE rotation. These hours must be spent actively working as a student pharmacist to meet the rotation goals and objectives.
- Please note that lunch time or other personal breaks do not apply towards the required 240 hours.
- Additional time outside of rotation on site hours will likely be necessary to complete assignments.
- Daily start and end times will be set by the preceptor.
- Proper documentation of APPE hours is required. The APPE hours are reported to NABP, the Illinois State Board of Pharmacy and to other BOPs by request.
- Preceptors should inform an OEE Director if a minimum of 240 hours has not been completed by the student during the 6-week rotation block.

Please note: Work, social functions, and/or school social activities are NOT to be scheduled during this time period. Daily starting and stopping times are site-dependent, and determined by the preceptor. Based on patient care needs or other needs at the site, start and end times may vary from day to day.

APPE ROTATION ATTENDANCE:

Because student APPE rotation hours are reported to the IL State Board of Pharmacy, it is essential that all hours are completed and accounted for. Consequently, the OEE APPE attendance policies must be adhered to by all students.

No CALL/No SHOW:

The Office of Student Services must be informed whenever a student fails to show up for a rotation and has not notified the preceptor and the OEE. No unexcused absences are allowed during the rotation and may constitute grounds for rotation failure.

Sick days:

- If students are absent due to illness the student MUST call the preceptor AND OEE within the first two hours of the start of the rotation day.
- The student will be required, at the Course Director's discretion, to provide a note from the physician for claims of personal illness. Other forms of documentation may be requested for other extenuating claims, at the Course Director's discretion.
- Failure to notify your preceptor and the Office of Experiential Education will be considered grounds for failure of the rotation.
- There are no sick days built into the rotation. Anytime missed due to illness MUST be made up **before the end of the rotation.**
- ***Life events such as marriage, pregnancy, hospitalization, or a personal emergency requiring the student to miss more than 2 days from any given rotation may result in withdrawal from that rotation.***
- Situations in which students miss more than 2 days due to extraordinary circumstances will be considered on a case-by-case basis.

PLANNED ABSENCES:

- Because daily rotation attendance is required, planned absences are strongly discouraged.
- Planned absences will be approved for extenuating circumstances only.
- Approval is handled on a case-by-case basis
- DO NOT purchase airline tickets until after you have approval
- **All planned absences must be approved FIRST by OEE and then by the preceptor.**
- Students may not miss more than 1 day on any rotation and this time MUST be made up before completion of the rotation. If a student knows they will require more than 1 day for a planned absence, the student should arrange to take that rotation block off.

How to proceed:

1. Email Professor Lullo with your request (alullo@midwestern.edu) for approval
2. She will reply back to let the student know if their request is approved or denied
3. If you receive approval from OEE; then ask your preceptor for approval
4. Reply back to Professor Lullo to let her know:
 - a. If your preceptor approved
 - b. How the missed hours will be made up

Accurate Reporting of APPE hours:

In accordance with all CCP IPPE and APPE courses, ACPE guidelines and CPDG graduation requirements all experience hours must be completed by each student and documented accordingly by the preceptor. Completion of all 240 APPE hours is required for all students in this APPE course.

The experience hours from this course series are counted and reported to the Illinois State Board of Pharmacy, and other BOPs, as part of the total required IPPE and APPE hours for the CPDG Experiential Program. Failure to complete any required APPE course hours may result in course failure and delay of the student's planned graduation. Falsification of any required APPE course hours will result in academic misconduct proceedings and may cause professional licensure disciplinary actions, as described in the Illinois Pharmacy Practice Act (225 ILCS 85/ 30 from Ch. 111, par. 4150)

Complete and accurate reporting of experience hours must be done by the preceptor by notation on the final evaluation form. The final evaluation form is submitted to OEE on the last day of the APPE rotation. Any hours missed MUST be reported to the Office of Experiential Education (OEE) by contacting one of the Course Directors.

HOLIDAYS:

Most MWU holidays are considered "off" days for Advanced Pharmacy Practice Experience students. These include:

- ✓ Memorial Day
- ✓ Independence Day
- ✓ Labor Day
- ✓ Thanksgiving Day (the day after Thanksgiving is not a holiday for APPE students)

All APPE holidays are noted on the front page of each syllabus. This time must also be made up to ensure the student has a minimum of 240 hours for the rotation.

Occasionally, additional holidays may occur at the site. The preceptor will clarify any scheduling changes as needed.

NEEDLE STICK/EXPOSURES OR INJURY ON CLINICAL ROTATION

Contact one of the OEE Directors and follow the directions per the MWU Student Handbook provided below.

Needle stick/Exposures or Injury on Clinical Rotation (as stated in the MWU Student handbook)

Procedure for Needle stick/Exposure Incident:

http://mwunet.midwestern.edu/administrative/SS/ssSH_policy.htm#94

Procedure for Needlestick/Exposure Incident

Students should always contact Risk Management at 630-515-6229 for exposures, needle sticks, or other types of injuries incurred while on clinical rotations. Students exposed to a patient via blood or potentially infectious body fluid should:

1. Immediately cleanse the affected area in accordance with medical standards;
2. Once the patient is stable (if applicable), notify the preceptor or supervisor of the occurrence and immediately seek evaluation and treatment following established medical guidelines and the protocols of the medical facility;
3. If the facility does not provide guidelines for treatment, go promptly to an urgent care facility, medical provider's office or emergency room. Keep copies of all documentation;
4. Fill out injury and treatment forms following the protocol of the rotational facility or physician's office where they are assigned;
5. Students who incur expenses related to treatment of an accidental needle stick should seek reimbursement first through their health insurance company.

Please note that expenses incurred due to a needle stick or injury while on clinical rotation are not covered through Worker's Compensation, unless otherwise provided by law. Any expenses that are not covered through a student's own health insurance company thereafter should be referred to the Director of Risk Management.

Students shall within 48 hours send a copy of the injury and treatment forms to their preceptor and clinical coordinator. When making out an injury report for an exposure incident, the student and/or preceptor should give the name of the source individual and medical record number, if known or feasible. If an exposure occurs, the following information should be recorded in the student's confidential medical record:

1. Date and time of exposure;
2. Duty being performed by student;
3. Whether protective equipment (gowns, gloves, masks, protective eyewear) or engineering controls were used (i.e., recapping device or a needle disposal device or mechanical pipette);
4. Details of exposure, including amount and type of fluid or material, and severity (e.g., depth of percutaneous exposure and whether fluid was injected; extent and duration of skin or mucous membrane contact);
5. Description of source material, including HIV, HBV, HCV status if known. In the event the source individual is a dialysis patient, a current HBsAg report should be used.

Student Consent:

The consent of the student must be given, according to the directives of the rotation hospital/clinic and/or physician's office, before collection of his/her blood and before serologic testing can be done.

Source Individual:

The source individual is defined as any individual whose blood or other potentially infectious materials may be a source of exposure to the health care worker. Illinois and Arizona state statutes generally provides that "when a health care provider or employee of a health care facility is involved in an accidental direct skin or mucous membrane contact with the blood or bodily fluids of an individual which is of a nature that may transmit HIV, written informed consent of the source individual (patient) to perform an HIV test is not required." The source individual should be identified by the student. Situations when it is not feasible to identify the source individual include incidents of needlesticks or cuts from Sharps of unknown sources, e.g., unmarked needle or blood sample. The source individual should be tested for hepatitis B, hepatitis C, and HIV in accordance with the directives of the rotation hospital/clinic or physician's office where exposure occurred. Nondiscrimination Policy Midwestern University maintains a policy of nondiscrimination for all students regard

TB EXPOSURE:

Contact one of the APPE Course Directors immediately to report the possible exposure.

The CDC protocol is to have a TB test (one step TB test or Quantiferon) done ASAP and then again in 12 weeks. Results of each TB test must be sent to Professor Lullo ASAP.

Please note the following:

- Students should always contact Risk Management at 630-515-6229 for exposures, needle sticks, or other types of injuries incurred while on clinical rotations.
- Students who incur expenses related to treatment of needle sticks, or other types of exposure or injuries, should seek reimbursement first through their health insurance company.
- Any expenses that are not covered through a student's own health insurance company thereafter should be referred to Risk Management.

SITE VISITS:

OEE Site Specialists randomly visit all rotation sites affiliated with MWU CPDG. These pharmacists ensure the quality measures of experiential education are being met. They will review and grade student binders, meet with preceptors and answer any questions the students or preceptors may have.

COMMUNICATION WITH OEE & RESOURCES FOR PRECEPTORS AND STUDENTS:

It is the responsibility of the student to ***check their Midwestern e-mail and Canvas daily for announcements.*** Because students will be working independently and off campus for this course, e-mail is often used to communicate information

from the course director to the students in a timely manner. Students are responsible for information contained in these e-mails or on Canvas. Not checking your e-mail or Canvas will not be accepted as an excuse for having missed important rotation information.

Canvas™

All course syllabi and orientation documents will be posted on the site. Site-specific documents will be distributed at the discretion of the preceptor.

E-Mail:

Students missing any documentation required for rotations will be notified via Midwestern email. In addition, all notices of rotation cancellations and/or changes will be sent to the student via Midwestern email.

RMS access: If students or preceptors need help with access to RMS or any of the online evaluations please contact OEE at 630-515-7677 or email cpdgoee@midwestern.edu.

Preceptor Resources Website can be found at:

www.midwestern.edu/cpdgpreceptors

- Link to our online Rotation Management System (RMS)
 - View assigned students: access to student phone number, email address, resume or CV
 - Complete rotation evaluations
- Access to all APPE course syllabi, skills sheets, evaluation forms & RMS directions
- Link to MWU Library online resources
- Link to College of Pharmacy Downers Grove current course catalog

Preceptors should contact OEE if any of the following occurs:

Informing OEE as soon as possible when any of the following occurs will allow us to provide guidance to the preceptor, and guidance and due process to the student.

- The student does not show up for rotation and has not called to inform you of delay or illness.
- The student is failing the rotation.
- The student has experienced a needle stick, or any other injury at the site
- There are behavioral or professional issues with the student.
- The student has violated HIPAA.
- The student is not in compliance with the APPE sick day and/or planned absence policy.

Please call the **OEE main phone number 630-515-7677**. There is someone available Monday through Friday 8:00am to 4:30pm CST. Alternatively, you may email one of the Course Directors. Contact information for the Course Directors can be found on page one of this syllabus.

FAILING AN APPE ROTATION:

If the student is failing at any time during the rotation:

- **Preceptors:** If the student is failing the preceptor should:
 - Notify one of the course directors
 - Document the areas for improvement and what improvements are needed to pass the rotation and then discuss with the student. The documentation may be done using the Performance Improvement Plan (PIP) form provided by OEE. This form can be found on the preceptor webpage.
www.midwestern.edu/cpdgpreceptors

- **Students:** If you are told that you are failing or at risk of failing the rotation, please contact one of the course directors ASAP. We will need to speak with you. The purpose of the conversation is to be supportive and offer guidance.

EVALUATIONS:

Details are outlined on the Rotation Evaluations cover page in this syllabus. Preceptors and students should review the mid and final rotation grade together.

Directions for Preceptors:

Mid-rotation progress note:

Complete a Mid-Rotation Progress note electronically in RMS or as a paper copy, and review with the student. Ideally this should be done late in week 3, or early in week 4 of the rotation block.

Please notify OEE if the student is failing at the mid-rotation review or at any time during the rotation.

Final rotation evaluation

- a. Complete the final evaluation form online via RMS

OR

- b. Complete a paper copy evaluation form. You may return the form to us:
 - Via fax to 630-515-6103
 - Via email to cpdgoee@midwestern.edu
 - Give the signed form to the student to submit to the Office of Experiential Education

- Discuss and review the final evaluations with your students. Explain their strengths and work with them to problem-solve strategies for areas of improvement.

Student Confidentiality:

Preceptors are to maintain student confidentiality. Information pertaining to student performance should only be shared with OEE, as outlined in the assessment process. Student assignments, rotation work and grades are legally protected by the [Family Educational Rights and Privacy Act \(FERPA\)](http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html). More information can be found at <http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

CEImpact currently has a preceptor module on FERPA. Please see the current CEImpact directions for details and access.

ROTATION CHANGE POLICY:

Changes to APPE rotations will be made only upon a cancellation by the preceptor or site.

- In the event of a cancellation, OEE will make arrangements for a new rotation. Students must not contact preceptors or sites on their own. Students who initiate such contact will not be assigned to that site or preceptor.
- Student preferences will be considered if possible. However, in order to best accommodate replacement rotations for all students, OEE will make the final decision on the replacement rotation.

LIABILITY INSURANCE:

MWU/CPDG students are covered by professional liability insurance. Any other insurance needs (i.e., health, accident, or car insurance) are the student's responsibility.

STUDENT COMPENSATION:

Students will not receive financial or other compensation from the preceptor or Advanced Pharmacy Practice Experience site for services associated with the rotation.

PARKING:

Arrangements are site-dependent. Ask your preceptor about parking prior to the start of the rotation. Any cost for parking or transportation will be the student's responsibility.

WORK SPACE:

Student work space, computer access, copy machine, and phone use are all site-dependent. Students must check with the preceptor for availability and approved use. Computer-assisted literature searches and copying needs related to assignments can be done through the campus library. No personal calls are permitted on Advanced Practice Experience site phones.

LIBRARY TIME AND/OR "PROJECT DAYS":

There is NO mandatory requirement or allotment for time away from the site to work on projects or use the library. Any time devoted to such activities is completely at the discretion of the preceptor and is not built into the rotation schedule.

PHOTOCOPYING MATERIALS:

It is not within the scope of CCP staff members to photocopy or print materials related to the rotation for students, such as handouts, notes; so please do not ask them to do it. Photocopying or printing of any course materials beyond those provided by the instructor is done at the expense of the student at facilities provided elsewhere.

ALGORITHM FOR HANDLING COURSE-RELATED ISSUES:

Students with concerns regarding the rotation should follow the algorithm listed below. If the issue is not resolved by the preceptor or the course director the student should proceed with successive steps in the algorithm as appropriate.

Student --> Preceptor --> Course Director --> Deans Office

ACADEMIC DISHONESTY:

Academic dishonesty is defined in the MWU Student Handbook as: 1) Cheating: Unauthorized use of a text, notes, or other aids during an exam, copying the work of another student, or obtaining and using a copy of an examination in advance of its administration. 2) Computer misuse: Disruptive or illegal use of computer resources. 3) Fabrication: Intentionally falsifying or inventing any information or citation in any academic exercise. 4) Facilitating academic dishonesty: Intentionally or knowingly helping or attempting to help another student commit an act of academic dishonesty. 5) Forgery, alteration, or misuse of University documents, records, identification, etc. 6) Knowingly furnishing false information to the University. 7) Intentional obstruction or disruption of teaching, research, or administrative operational procedures. 8) Plagiarism: Presenting as one's own the work of another without proper acknowledgment; deceitful practice, utilizing a substitute or acting as a substitute in any academic evaluation, of knowingly permitting one's work to be submitted by another person without the instructor's authorization. 9) Unauthorized collaboration: Working together on an exam or lab report when expressly prohibited from doing so by an instructor.

Acts of academic dishonesty are absolutely forbidden in this course. Academic dishonesty by students should be discouraged by peers as not being appropriate professional conduct. Every effort is made to prevent occurrences of academic dishonesty. Actions that will be taken in the event that a student is caught in a dishonest act include, but are not limited to: a failing grade for the work involved; suspension from the course which may result in a failing grade for the course; automatic failure in the course; and/or expulsion from the program.

Students with a Disability:

It is the policy of Midwestern University to ensure that no qualified student with a disability is excluded from participation in or subjected to discrimination in any University program, activity, or event. Student Services coordinates accommodations for all eligible students. If you need accommodations for a disability, please contact Student Services. It is the student's responsibility to identify themselves in a timely manner as an individual with a disability when seeking an accommodation. More information regarding available services can be found at https://www.midwestern.edu/downers_grove_campus/student_services/disability_services.html.

Religious Accommodations:

Midwestern University colleges, programs, and course directors/coordinators will make a good faith effort to provide reasonable accommodations to students with sincerely held religious beliefs upon request, unless the accommodation would create an undue hardship for the college/program. A student's request for reasonable religious accommodations, including requests for time off from or rescheduling of school activities, is justified when all of the following criteria are met:

- A request **MUST** be submitted in advance. The student must submit a written request for a religious accommodation to the COP Associate Dean, Academic Affairs **prior to the start of the academic year for the student's academic program AND not less than 30 calendar days in advance of the requested absence day(s)**. For newly admitted students only, the written request for a religious accommodation during Summer Quarter must be submitted not less than 30 days in advance of the requested absence day(s).
- The request must be submitted on a Religious Absence Request Form, which is available on Canvas (MWU College of Pharmacy Student Information folder) or in-person from the Office of the Dean. Text message or e-mail requests are unacceptable.
- The request should include all of the requested dates for time off from courses or rotations for religious accommodation for the entire academic year (Summer through Spring Quarters).

A decision on the request will be provided in writing by the Associate Dean to the requesting student typically within two weeks of receipt of the request.

NEW: As of February 13, 2020

Dear Midwestern University Community,

The Student Handbook has been updated regarding the use of marijuana, both medically and recreationally. Listed below is the revision from the Student Handbook.

Thank you,

Ross Kosinski Ph.D.
Dean of Students

Pamela Jurgens-Toepke D.D.S., M.A.
Associate Dean of Student Services

Marijuana, Medical and Recreational Use

Medical Marijuana is now permitted in both the State of Arizona and State of Illinois if prescribed by a physician. Recreational marijuana is now permitted in the State of Illinois. While state laws permit the use of medical marijuana by individuals possessing lawfully issued State medical marijuana cards and Illinois permits the use of recreational marijuana, federal laws prohibit marijuana use, its possession, and/or its cultivation at educational and clinical institutions that receive federal funding. The use, possession, or cultivation of marijuana for medical purposes is therefore not allowed in or on the premises of any Midwestern University property, including student housing apartments; nor is it allowed at any affiliated clinical sites or University sponsored event or activity.

All students sign a Drug-Free Workplace Certification Document prior to matriculation attesting their willingness to abide by the Midwestern University Drug-Free Workplace and Substance Abuse policy. Multiple states including Illinois allow recreational marijuana use. Although students may participate in clinical rotations in those states, regardless of state law, Midwestern University and its affiliated clinical rotation sites prohibit students from the use of drugs, including marijuana, which are illegal under the federal Controlled Substances Act (CSA) of 1970. Students testing positive for marijuana use will be subject to University disciplinary procedures irrespective of the state in which the marijuana was used, and will be suspended from clinical rotations until the student tests negative for marijuana on a drug screen.

POLICIES & ETIQUETTE, COVID-19 ABSENCES AND QUARANTINES (MAY BE UPDATED PERIODICALLY BY MWU TO FOLLOW CURRENT GUIDELINES)

On campus and at APPE site:

- Do not come to campus or go to your APPE rotation site if you are ill, have symptoms of, have a known or possible exposure, or test positive for COVID-19.
- If you have any COVID symptoms, please stay home and contact the MWU Student COVID Management Team. They will guide you based on the current protocols for COVID and answer any questions you may have.
 - Their email is: StudentCOVIDTeam@midwestern.edu
- **BEFORE** missing an APPE rotation day or required activity even if you have not heard back from the Student Services COVID Response Team- ALSO Contact the Office of Experiential Education at cpdgoee@midwestern.edu
- During your illness and/or quarantine, you are required to stay in communication with Prof. Lullo & Dr. Cornell to let them know how you are feeling. They will work on a plan with your preceptor to make up the rotation days you missed.
- Follow additional COVID policies for each APPE rotation site to which you are assigned.

Hospital APPE Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1					
Week 2					
Week 3					<i>Mid-Point Student eval due by preceptor</i>
Week 4					
Week 5					
Week 6				<i>Final Student eval due by preceptor</i>	Students on campus for the PharmD Seminar course, or done remotely.

Required assignments per the Hospital APPE syllabus:

1. Skills/Observation/Discussion checklist:

To be used over the 6 weeks of the rotation

To be signed by the preceptor

To be submitted to OEE by the student on the last Friday of the rotation- upload to Canvas

2. Project #1:

Due date: _____

Topic: _____

3. Project #2:

Due date: _____

Topic: _____

4. Medication worksheets 1-6:

Due date: _____

Due date: _____

Due date: _____

Due date: _____

Due date: _____

Due date: _____

5. Experience Summary:

To be completed by student and uploaded to Canvas on the last Friday of the rotation

Projects assigned by preceptor:

This is published for the convenience of students at Midwestern University (MWU). It is intended to be effective April 1, 2023. Midwestern University reserves the right to make changes in any or all specifications contained herein and to apply such revision to registered and accepted students as well as to new admissions. No contractual rights between Midwestern University and any student are intended and none may be deemed to be created by issuance of this.

Midwestern University provides equality of opportunity in its educational programs for all persons, maintains nondiscriminatory admission policies, and considers for admission all qualified students regardless of race, color, sex, sexual orientation, religion, national or ethnic origin, disability, status as a veteran, age or marital status.

Midwestern University is not responsible for loss of or damage to a student's personal property on premises owned or operated by the University, regardless of cause.

SAMPLE: Hospital Rotation 6 week calendar

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Week 1 Distribution Fill meds, prepackage meds, floor stock, ADC, cart fill, answer phones, CS, delivery						
Week 2 Sterile Products Work with tech in IV room to prepare, compound CSPs Chemo Rph, chemos						
Week 3 Clinical Pharmacist- learn distributive processes of supplying meds to inpatients, answer phone calls, drug questions,					Midterm	
Week 4 Clinical, distrib pharmacist As week 3 plus renal dosing, IV/PO, interventions, med rec,						
Week 5 Clinical distrib pharmacist As in wks 3&4 plus AB review, Core Measure, open interventions						
Week 6 Clinical disrib pharmacist As wks 3-5				Final	On Campus	