

Marshall University School of Pharmacy
PHAR 884 – Advanced Institutional APPE Suggested Activities-Readings List

The Advanced Institutional Pharmacy Practice Experience (APPE) is a required 5-week experiential rotation in an approved health system that prepares the student to function within a hospital or health-system of integrated pharmacy services. Particular emphasis is placed on the preparation, distribution, and control of medications, medication monitoring, and the ability to communicate with other healthcare professionals. This rotation develops competence to practice in a hospital staffing position. It integrates problem-solving and clinical skills with the basics of inpatient medication distribution, monitoring, and control.

Suggested Activities:

1. Student should review medication orders, patient profiles, and collect data to identify, resolve, or prevent drug related problems (DRPs). Students should document a minimum of ten (10) DRPs involving prescription medications for which they intervened on the patient's behalf using a standard documentation sheet / system.
2. Counsel patients as appropriate.
3. Communicate with other health care providers (nurses, PA's, ANRP's, MD's, DO's, etc.) concerning identified drug-related problems.
4. Efficiently answer drug information questions from patients or the health care team and formally document responses. Formal responses should be reviewed with the preceptor prior to communication with other professionals.
5. The student is expected to develop proficiency in the use of equipment and devices for compounding medication products and in the preparation of sterile products and multiple dosage forms.
 - a. Demonstrate competency in preparing a variety of intravenous medications using appropriate aseptic techniques and mathematical calculations.
 - b. The student is expected to prepare a minimum of ten (10) different parenteral preparations.
6. Assist in processing the medication cart exchange, robot cart fill, or unit based cabinet restocking process.
7. Complete patient case discussions with the preceptor.

Additional Activities as Directed by the Preceptor and as Time allows:

Daily Tasks:

1. Complete a pharmacotherapy dosing consult for an inpatient. Document the intervention per the health system's guidelines (reviewed by the preceptor).
2. Student should have a competency in all dispensing related tasks in the inpatient pharmacy.
3. Have student complete a weight based dosing for a pediatric, obese, or other patient type.
4. Quizzes on student's pharmacotherapy knowledge.

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Periodic Tasks (as opportunities arise):

1. Assist preceptor in preparing an article for publication.
2. Attend a pharmacy and therapeutics committee meeting and write a 1 page reflection paper on the experience.
3. Attend a medication safety committee meeting.
4. Participate in an MUE/DUE.
5. Have the student complete a newsletter article for the site on a topic of interest.
6. Participate in the development or revision of a departmental or institutional policy.
7. Student can develop a patient education brochure / leaflet (e.g. food-drug interactions).
8. Case/ Topic Discussions and Journal Club: student should prepare to present on or discuss topics or journal article.

SUGGESTED DISCUSSION TOPICS

General Hospital Pharmacy Practice

Communicating with older adults and their caregivers

Crash carts

Drug recalls

Drug shortages and backorders

Healthy People 2020

IV to PO conversions

Look-alike/sound-alike drug names

Med pass

Medication bar code administration systems

Medication safety resources of the Institute for Safe Medication Practices (ISMP)

Regulatory/Legislative

Laws and regulations governing hospital pharmacy practice

National Patient Safety Goals of the Joint Commission

The Joint Commission standards governing hospital pharmacy practice

9. Have student analyze, document, and submit an adverse reaction to MedWatch or VAERS.
10. Have patient investigate and document a medication error.
11. Conduct a mock Board of Pharmacy inspection.
12. Participate in a mock Joint Commission pharmacy inspection and write a one page reflective summary of the experience.
13. Site-specific project. Have the student work on a site-specific project that will benefit the practice site. Identify the needs of the practice site with the student and brainstorm ideas that will help solve problems or enhance care.

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Suggested Readings:

**It is advantageous for students to have access to the following references during this rotation:

- Pharmacotherapy book / reference
- General drug information reference
- General medicine book / reference
- Physical assessment book / reference
- Laboratory interpretation book / reference
- Pharmacokinetics book / reference
- Adverse drug reaction book / reference