

F. Selective APPE Rotations

Description

The Selective Professional Experience Rotation course comprises a four credit hour course, intended to be taken as part of the Pharmacy Practice series. A variety of institutions within the state of Oklahoma are utilized as teaching/practice sites. During this rotation the student will be assigned to one of these sites. The course is designed to expose the pharmacy student to the practical aspect of working in a specialized area of the student's interest. Among some of the types of rotations that are available are Veterinary, Home Health Care Services, Nuclear Pharmacy, Long Term Care Facilities, Scholarship, Research, and Pharmacy Providers of Oklahoma. In addition, advanced rotations in Community, Institutional, or Medicine may be selected. All rotations are subject to availability and approval of the site preceptor and faculty member.

A significant portion of the course utilizes on-the-job training since only through actual performance of these activities can a student gain an appreciation and understanding of the functions of the specialty site. During the rotation, each student will be placed under the supervision of an approved preceptor. This preceptor is selected by the site, and depending on the number of personnel at the site, may involve rotating with a number of preceptors. The student will devote a minimum of eight hours per day learning as a pharmacist, but always under the supervision and direction of a preceptor, particularly when performing dispensing functions. The student will be involved in the routine activities within the site as well as special projects assigned by the preceptor and/or faculty advisor.

In addition to reporting to an assigned preceptor, each student will also report to a designated SWOSU COP faculty member. During the rotation, various reading assignments and projects will be required by the preceptor and/or faculty member. Completed projects will be submitted to the appropriate faculty member. The faculty member will visit with each student to discuss in detail the required assignments, and to assess progress on the required projects. The required projects are separate from other projects that may be required by the preceptor at the site. In other words, if your preceptor assigns you a project you are required to complete it in addition to the required assignments.

Goals and Objectives

Overall goal: to demonstrate the provision of pharmaceutical care.

Extent and emphasis of the goals and objectives listed below will be selected by each preceptor, according to those available at the rotation site.

I. Patient Care

To give the student the opportunity to provide patient care by:

1. Demonstrating proper communication skills both oral and written by:
 - o Taking patient medication histories.
 - o Providing patient counseling.

- Accurately providing drug and pertinent patient information to other health professionals.
- 2. Utilizing a medication record system to detect:
 - A patient's history of adverse effects.
 - Potential unwarranted medication changes.
 - Potential quantitative misuse of medications.
 - Duplication of medications.
 - Potential unwanted additive effects of medications.
 - Inappropriate dose, route, schedule, or dosage form.
 - Possible adverse effects.
 - Drug-drug and drug-food interactions.
 - Drug-disease interactions.
 - Possible irrational therapeutics.
- 3. Demonstrating the application of pharmacokinetic principles to patient care.
- 4. Providing educational information to patients/providers on health related matters, prescription medications and non-prescription medications.
- 5. Recognizing and communicating to the patient the need for referral to other health care providers.
- 6. Establishing patient outcome parameters and monitoring those parameters.

II. Drug Preparation and Distribution

The student will have a working knowledge of the drug preparation and distribution systems of the site and be able to:

1. Interpret medication and/or IV admixture requests, determine their accuracy, completeness and legality, and prepare an appropriate label for the medication according to the site's guidelines.
2. Describe controlled substance laws and the site's procedure for dispensing controlled substances.
3. Participate in the institutions medication delivery system including,
 - Reviewing orders for appropriateness against the patient profile, making additions to, and deletions from this record, and understanding the steps necessary to clarify a questionable order.
 - Accurately filling unit dose orders.
 - Accurately filling bulk medication orders including selecting the appropriate container.
 - Demonstrating proper aseptic technique and the ability to prepare extemporaneous admixture solutions.
 - Checking for common IV incompatibilities and utilizing reference sources for information concerning parenteral drug and solution administration, stability, and compatibility.
4. Demonstrate the ability to accurately perform pharmacy calculations. (Examples: IV admixtures, drip rates, and extemporaneously compounded products.)
5. Demonstrate the use of auxiliary labeling to aid the patient/care giver in administering medications and intravenous admixtures.

6. Participate in the manufacturing and or repackaging of a pharmaceutical product including tracing the controls and records that should be used to insure the quality of the finished product.
7. Utilize appropriate reference materials to satisfy drug information needs to properly dispense medications.
8. Discuss prescription pricing and reimbursement issues.

III. Pharmacy Management and Administration

Provide the student with an overview of the administrative responsibilities involved at the site by:

1. Involving the student in various pharmacy related committees; with an emphasis on the purpose, function, and line of responsibility of each, especially the Pharmacy and Therapeutics and/or Quality Assurance committees.
2. Describing the lines of communication and shared responsibilities of other health related areas that interact with the site.
3. Becoming familiar with the Policies and Procedures of the site and discuss standards and guidelines of the Joint Commission on Accreditation of Healthcare Organizations and/or other appropriate regulatory agencies.
4. Identifying the role and activities of pharmacy technicians.
5. Identifying the organizational structure and general management policies of the site.
6. Describing required record keeping practices to meet state and federal laws concerning prescription files, prescription drug inventory, employee files, etc.
7. Discussing the participation and management of 3rd party payer programs.
8. Identifying the state and federal licensing requirements for the site.
9. Discussing procedures for resolution of dispensing errors.
10. Describing security systems and discussing reasons for security measures.

IV. Drug Policy Management

Involve the student in different drug management policies by having the student describe the Pharmacist's role and functions in:

1. The Drug Use Evaluation process.
2. Describing the site's policies and procedures for handling investigational drugs.
3. The procedure for reporting and documenting medication errors and adverse drug reactions and tracing the steps in the ADR reporting program.
4. Describe the formulary system.
5. Differentiating between brand name and generic equivalence and how this affects inventory and operations.
6. Describing any pharmacoeconomic issues currently, or anticipated, at the site.
7. Describe third party systems of the site.

V. Purchasing and Inventory

To provide the student with an overview of purchasing and inventory and their impact upon general operations in areas such as budgeting, bookkeeping procedures, pricing policy, and application of computer systems.

1. Trace the inventory control activities including ordering, checking, stocking, and physical inventory maintenance including controlled substances.
2. Demonstrate a familiarity with new product purchasing and inventory controls.
3. Discuss the procedure for the handling of manufacturer recalls of medications.
4. Describe the procedure for handling of non-formulary or non-stocked drug requests.

VI. Specialty Practice Functions

The student shall be able to describe the specialty practice(s) of the pharmacy in sufficient detail to identify the nature of and the workings of the specialty practice.

Daily Activities

Each student will be required to participate in various activities within the selective rotation site. Activities will vary from site to site due to the size and services offered. Daily activities will be assigned by the preceptor. Upon completion of this course, the student should have participated in the activities listed in the Behavioral Objectives. The extent of these activities, of course, is determined by the availability at the site and the constraint of time.

Required Projects

Each student will be required to do projects during the rotation. Each of these must be completed by the deadline set by the preceptor and/or the SWOSU faculty member. Each project will be typed and submitted to the SWOSU faculty member. The time devoted to projects should not detract from the learning experience, therefore, the projects should be prepared after assigned activities are completed or in the evenings. Projects may be selected from the list which the preceptor and/or faculty member has for the specialty rotation. If you have any questions regarding the projects, contact the preceptor or faculty member. Please contact the faculty member and inform them of planned projects before beginning any assignment.

Additional assignments may be given to you by your faculty member or by your preceptor.

Grading and Examination

The final grade will be assigned based on evaluations in the following areas:

- D2L discussion boards and quizzes = 20 points
- Projects = 30 points
- [Preceptor Evaluation](#) = 50 points
- Total Points = 100 points