F. Selective APPE Rotations

1. 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 both within and outside 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 Indian Health Services, 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 Pharmacy Practice 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.

2. Goals and Objectives

   Overall goal: to demonstrate the provision of pharmaceutical care.

   Objective: Up on completion of this unit, the student will be able to: Extent and emphasis of the goals and objectives listed below will be selected by each preceptor, according to those available at the rotation site.

   a. Knowledge Base
      i. Drug and disease state knowledge
      ii. Demonstrate a working knowledge of disease states and medication therapies seen in the practice setting and how they apply to patient care

   b. Provision of Pharmaceutical Care
      i. Information Gathering and Identifying Patient Needs
         1) Participate in the medication delivery system including:
            a) Review orders for appropriateness
b) Compare physician orders to the Medication Administration Record (MAR) and reconcile any differences between the orders and the MAR

c) List the steps necessary to clarify a questionable order

ii. Assessment and Interpretation of Information

1) Utilize a medication record system to detect:
   a) A patient’s history of adverse effects
   b) Potential unwarranted medication changes
   c) Potential quantitative misuse of medications
   d) Duplication of medications
   e) Inappropriate dose, route, schedule, or dosage form
   f) Possible adverse effects
   g) Drug-drug and drug-food interactions
   h) Drug-disease interactions
   i) Possible irrational therapeutics

iii. Therapeutic plan development

1) Demonstrate the application of pharmacokinetic principles to patientcare

iv. Therapeutic plan monitoring

1) Establish patient outcome parameters and monitor those parameters

c. Practice Management

i. Physical Operations

1) Demonstrate an understanding of the technology used in the practice of pharmacy including but not limited to order entry, dispensing and distributing medications, electronic health records, inventory control, quality assurance and drug information

2) Describe controlled substance laws and the site’s procedure for dispensing controlled substances

3) Discuss factors that relate to product acquisition and prescription pricing

4) Identify and resolve reimbursement issues including 3rd party billing

5) Differentiate between brand name and generic equivalence and how this affects inventory and operations

6) Describe any pharmacoeconomic issues currently, or anticipated, in the site

7) Describe third party systems and the reimbursement process of the site

8) Describe the lines of communication and shared responsibilities of other health related areas that interact with the site

9) Identify the role and activities of pharmacy technicians

10) Identify the organizational structure and general management policies of the site

11) Describe required record keeping practices to meet state and federal laws concerning prescription files, prescription drug inventory, employee files, etc.

12) Discuss the participation and management of 3rd party payer programs

13) Identify the state and federal licensing requirements for the site

14) Discuss procedures for resolution of dispensing errors

15) Describe security systems and understand the reasons for security

16) Trace the inventory control activities including ordering, checking, stocking, and maintenance of physical inventory, including controlled substances
17) Demonstrate a familiarity with new product purchasing and inventory controls

18) Discuss the procedure for the handling of manufacturer recalls of medications

d. Medication Use Systems
   i. Medication Use Evaluation
      1) Participate in and/or describe the Drug Use Evaluation (DUE) or Medication Use Evaluation (MUE) process taking place in the institution
      2) Describe the site’s policies and procedures for handling investigational drugs
      3) Identify the procedure for reporting and documenting medication errors and adverse drug reactions (ADR) and tracing the steps in the ADR reporting program
      4) Describe the site’s formulary system
      5) Expose the student to various pharmacy related committees; with an emphasis on the purpose, function, and line of responsibility of each, including the Pharmacy and Therapeutics and/or Quality Assurance committees
      6) Be 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
      7) Describe the procedure for handling of non-formulary or non-stocked drug requests

e. Pharmaceutical Dispensing
   i. Dispensing and Compounding
      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) Participate in the site’s medication delivery system by:
         a) accurately filling unit dose orders
         b) accurately filling bulk medication orders including selecting the appropriate container
         c) demonstrating proper aseptic technique and the ability to prepare extemporaneous admixture solutions
      3) checking for common IV incompatibilities and utilizing reference sources for information concerning parenteral drug and solution administration, stability, and compatibility
         1) Demonstrate the ability to accurately perform pharmacy calculations
         2) Describe and participate in the proper storage, preparation, and dispensing of medications at the site
         3) Demonstrate the use of auxiliary labeling to aid the patient/care giver in administering medications and intravenous admixtures
         4) 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
         5) Utilize appropriate reference materials to satisfy drug information needs to properly dispense medications
f. Public Health  
   i. Health promotion and disease prevention  
      1) Identify patient-specific opportunities to promote health and wellness,  
         including both drug and non-drug approaches  
      2) Provide accurate and appropriate education to patients regarding health  
         and wellness  
      3) Discuss health and policy initiatives that affect public health and disease  
         prevention for large population groups  
   g. Professional Communication  
      i. Patient Counseling and drug information skills  
         1) Demonstrate proper communication skills both oral and written by:  
            a) Taking patient medication histories  
            b) Providing patient counseling  
         2) Provide educational information to patients/providers on health related  
            matters, prescription medications, and non-prescription medications  
         3) Recognize and communicate to the patient the need for referral to other  
            health care providers  
         4) Display skills related to providing patient education to a diverse patient  
            population, including demonstrating knowledge of the various resources  
            available to assist in overcoming disabilities, language, and/or cultural  
            barriers that may be present.  
      ii. Communication skills  
         1) Accurately provide drug and pertinent patient information to other health  
            professionals  
         2) Demonstrate ability to present information in a written format that is  
            accurate, complete, concise, and well-organized, such as in documenting  
            information related to patient cases and preparing articles for publication  
         3) Utilize appropriate and effective verbal and non-verbal communication  
            skills in order to accomplish goals, including skills related to actively  
            listening and probing for questions and misunderstandings.  
   h. Professionalism and Accountability  
      i. Professional behavior  
         1) Show Professional behavior by:  
            a) Managing time wisely  
            b) Accepting responsibility  
            c) Exhibiting Self-motivation  
            d) Completing tasks thoroughly  
            e) Showing respect for others  
            f) Inviting feedback  
            g) Using verbal and written evaluations to improve performance  
      ii. Social and ethical awareness  
         1) Exhibit understanding of the pharmacist’s code of ethics and  
            ability to apply it to the practice of pharmacy  
         2) Recognize and respect patients’ socioeconomic, religious, cultural,  
            and moral concerns and values, and express empathy as  
            appropriate to the situation
3. **Daily Activities**
   Each student will be required to participate in various activities within the site to which they are assigned. Activities will vary from site to site and the services which the institution offers. Upon completion of the course the student should have participated in the activities listed in the behavioral Objectives for that site. The extent of these activities, if occurs, is determined by the availability at the site and the constraint of time.

4. **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 Pharmacy Practice faculty. Each report will be typed and presented or discussed with the SWOSU faculty member. Each report will be typed and presented or discussed with 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 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. Example projects are available by request from your SWOSU faculty member. Additional assignments may be given to you by your faculty member or by your preceptor.

5. **Grading and Examination**
   The final grade will be assigned based on evaluations in the following areas:
   1. LMS discussion boards and quizzes = 20 points
   2. Projects = 30 points
   3. **Preceptor Evaluation** = 50 points
   4. Total Points Possible = 100 points