Course Title: PHAR 9981
Medicine Advanced Pharmacy Practice Experience

Preceptor:
Office:
Office Phone:
Cell Phone:
Email:

Office Hours: By arrangement with preceptor

APPE Classification: Required

Meeting Times: Students will participate in the daily care of patients with their preceptor. Time commitment is dependent upon the practice site, preceptor schedule, and specific patient care responsibilities. Students will report to the practice site during the hours designated by the preceptor. The APPE will consist of six weeks (240 hours total) with at least 40 contact hours per week.

Course Description: This clinical APPE affords students the opportunity to integrate basic pharmacy-related concepts to patient care as a member of an interdisciplinary health care team and provider of patient-centered care in the general medicine setting. Using an educator-practitioner as a role model, the student will directly involve him or herself in the development of drug treatment regimens for selected patients. The educational experience may include evaluating literature, developing drug monographs, interviewing patients, interpreting data, assessing drug therapy, making recommendations for and monitoring drug therapy, and understanding and utilizing the evidence-based principles of medicine needed to develop an optimal therapeutic plan for patients with disease states such as myocardial infarction, stroke, shock, acute renal failure, or nosocomial pneumonia that are commonly treated in an inpatient setting. The students must apply their knowledge of pathophysiology, pharmacology, pharmacokinetics, and pharmacotherapy gained in the preceding curricula.
Learning Objectives

General Objectives – The student will:

1. Efficiently gather relevant patient data from a patient interview and/or medical record
2. Appropriately perform selected aspects of physical assessment
3. Identify appropriate data affecting drug dosing and/or patients at high risk for adverse drug reactions
4. Organize key clinical findings by disease state and/or drug regimen
5. Efficiently identify all drug-related issues and demonstrate retention of level-appropriate knowledge base
6. Establish appropriate patient-specific outcomes/monitoring parameters for each drug
7. Identify and evaluate all rational therapeutic options
8. Use good judgment (e.g., able to draw rational conclusions when data are incomplete)
9. Use pharmacokinetic principles and patient data to determine the most appropriate drug dosage regimen or formulation
10. Use appropriate literature (e.g. EBM) to support patient-specific recommendations
11. Provide timely and appropriate medication information
12. Assume responsibility (e.g., appropriate follow-up) of patient care and therapeutic issues
13. Seek necessary patient interaction
14. Possess appropriate understanding of limitations and know when to seek advice
15. Document an efficient pharmaceutical care plan that facilitates patient monitoring
16. Verbally justify patient-specific recommendations to the physician and/or preceptor
17. Ensure patient comfort and communicate appropriately to the patient; ensure HIPAA compliance
18. Appropriately communicate with other health care professionals/students
19. Use appropriate grammar and spelling in all written communications
20. Efficiently assess patient’s/caregiver’s self-management skills (validate patient understanding)
21. Be cooperative with and respectful to classmates, faculty and other health care providers
22. Demonstrate an ability for and commitment to independent learning
23. Be compliant with all site policies and procedures, including appropriate attire and decorum
24. Be punctual and actively participate with the health care team
25. Demonstrate a desire to exceed expectations
26. Accept and apply constructive criticism

Site-Specific Objectives – The student will apply the general learning objectives listed above to the following disease states:

1. Acute stroke
2. Status epilepticus
3. Hypertensive urgency/emergency
4. Pulmonary edema/CHF
5. Unstable angina
6. Arrhythmias
7. Shock
8. Diabetic ketoacidosis
9. Asthma
10. COPD
11. Acid/base or electrolyte disorders
12. Acute renal failure
13. Liver disease
14. DVT/PE
15. Antibiotics
16. Community-acquired/nosocomial pneumonia
17. Pyelonephritis/UTI
18. Skin/soft tissue and bone infections
19. Endocarditis
20. Nutrition

**Responsibilities of Preceptors:**

1. Orientation to the rotation at the beginning of the APPE
   a. Required objectives, activities and expectations
   b. Starting and ending times
   a. Policies and procedures
   b. HIPAA compliance
   c. Introduction to appropriate health care professionals and staff
   d. Tour of the facility
2. Assign student to responsibilities consistent with the rotation objectives.
3. Provide supervision of the student’s activities and monitor achievement of required tasks to assess related student competencies
4. Have those qualities which foster a positive professional role model.
5. Possess appropriate communications skills and have the ability to facilitate learning.
6. Supervise all written and verbal recommendations made by the student.
7. Never assume a student’s competency, but determine it by reviewing their work profile, discussion and experience.
8. Provide the student with mid-point performance evaluation during 3rd week.
   a. Specific recommendations for improvement if needed.
   b. Any failing mid-point evaluation should be reported to the Experiential Director.
10. Communicate with Experiential Director regarding any significant irregularities in student behavior:
    a. Irregular attendance
    b. Unprofessional appearance
    c. Violation of facility policies
    d. Unprofessional behavior or inappropriate communications with health professionals, patients, customers or staff
Responsibilities of Students:

1. Contact preceptors, 2 weeks in advance, to coordinate first day arrival plans.
2. Maintain a high standard of professional behavior:
   a. Appropriate attire and appearance for the professional setting.
   b. Effective verbal and written communications.
   c. Compliance with all site policies and procedures.
   d. Consistent and punctual attendance.
   e. Use of cell phones or other electronic devices is prohibited except with the express permission of the preceptor.
3. Since the primary objective of the rotation is learning, the student needs to be proactive, not passive.
   a. This requires active participation and communication.
4. Maintain patient confidentiality in compliance with HIPAA regulations.
   a. All information concerning patients/customers and patient care is to remain confidential. Any documents or notes with patient-related information should be shredded at the end of the rotation.
5. Actively participate in the professional and technical functions of the site, relative to the rotation objectives.
6. Develop and revise professional and personal goals for each rotation according to the objectives of the particular clerkship.
   a. Professional and personal goals should be within the scope of the present rotation.
7. Satisfy the rotation attendance requirements (240 hours) within the rotation time period.
8. Complete the rotation and preceptor evaluation forms.
9. The student’s rotation schedule is at the discretion of the preceptor.
   a. This may be nights, weekends, holidays, etc.
10. Must conduct themselves in a professional manner at all times.
    a. Unprofessional actions could cause removal from the rotation site and failure of the rotation.
11. Must inform preceptor in advance of any expected absence or tardiness.
**Methods of Learning:**

The preceptor will assess professional outcome abilities throughout the APPE by involving the student in specific activities and tasks. These may include:

1. Reviewing and properly documenting in patient charts
2. Assessing appropriateness of drug therapy by means of patient interviews, drug utilization evaluations, and identification of drug interactions or adverse effects
3. Performing selected aspects of physical assessment
4. Effectively communicating with patients and their caregivers
5. Effectively communicating with health care providers
6. Participating in daily inpatient medicine rounds
7. Discharge counseling
8. Learning issues assigned on rounds
9. Recommending changes in therapy based on medical literature and assuming responsibility for the outcome
10. Serving as a patient and health professional educator. This may include oral and/or written projects such as:
   a. Case presentations
   b. Journal club presentations
   c. Research projects
   d. Inservices
   e. Administrative projects
   f. Grand rounds presentations
   g. SOAP or PHARME write-ups
   h. Seminars
   i. Clinical intervention logs
   j. Drug information responses
   k. Clinical conferences

**Grading:**

Grades in the APPE will be assigned as letter grades by the preceptor.
Course Requirements:
The course requirements are primarily up to the preceptor. However, the student must complete a preceptor/site evaluation on the last day of rotation. Evaluations are to be completed online. Participation in the College of Pharmacy assessment activities is a requirement of this course. Failure to participate will result in an incomplete. The incomplete will change to a grade of “F” after one month if assessments are not completed.

Criteria for Assignments:
Assignments are to be completed on the time table set forth by the preceptor. All assignments should be thoroughly referenced with appropriate references and referencing style:


Idaho Drug Information will be happy to assist you with accessing an article, but you must design and perform your own search.

Grounds for APPE Failure:
Students will be dismissed from the APPE for any of the following:
1. Poor performance in clinic
2. Unprofessional conduct
3. Inappropriate behavior
4. Failure to complete all written and oral assignments satisfactorily
5. Lack of attendance
6. Violation of patient confidentiality
7. Informing a patient to change or discontinue a drug without consulting provider
8. Providing inappropriate information to patients, providers, or other staff (including guessing or agreeing with irrational pharmacotherapy)
9. Lack of active participation
10. Academic/professional dishonesty
11. Plagiarism
12. Consumption of alcohol or other substances of abuse
**Attendance Policy:**
All students are expected to attend their APPE site for at least 40 hours a week. Students must contact their preceptor at least 2 weeks prior to the start date of the APPE. Students who do not contact the preceptor within this time frame may not be able to complete site-specific paperwork in a timely manner and therefore may not be able to start with their peers. Those students will be reassigned and may have to graduate 6-12 weeks later than anticipated.

Authorized absences are limited to 2 days/month. Absences may be considered excused in the event of an unforeseen emergency or unusual circumstance, as determined by the preceptor. Any foreseeable absences must be pre-approved by the preceptor. All absences are expected to be made up as directed by the preceptor. Excessive absences may result in a failing grade.

**Academic Honesty:**
Dishonesty will result in a failing grade.

**Confidentiality:**
Any patient-specific data will not be discussed with anyone outside of the patient’s treatment team or within earshot of anyone other than those involved in the patient’s care.

**Students with disabilities:**
The Americans with Disabilities Act (ADA) is the civil rights guarantee for persons with disabilities in the United States. It provides protection for individuals from discrimination on the basis of disability. Idaho State University, in the spirit and letter of the law, will make every effort to make reasonable accommodations, according to section 504 of the Rehabilitation Act of 1973 and the ADA. Students with disability related needs should contact the Director of the Center for Students with Disabilities, Campus Box 8118, (208)282-3599. TTY 1-800-377-3529. In addition, the student must supply copies of official correspondence from the Center for Students with Disabilities to the Associate Dean of the College of Pharmacy. Arrangements will then be made to notify individual preceptors of the student's special needs.
Preceptor’s signature: _______________________________ Date: ________________

Student’s signature: _______________________________ Date: ________________