Introductory Pharmacy Practice Experience

Community Pharmacy
Institutional Health-System Pharmacy
Health-Related Service Learning
Simulated Activities

SPPS 200A
SPPS 200B
SPPS 200C

Office of Experiential Education

Renu Singh, Pharm.D.
Clinical Professor, Assistant Dean of Experiential Education
rsingh@ucsd.edu
Ph: (858) 822-5585

Sarah Lorentz, Pharm.D.
Director of IPPEs
slorentz@ucsd.edu
Ph:(858) 822-5574

Pamela J. McGlynn
IPPE Experiential Education Coordinator
pmcglynn@ucsd.edu
Ph: (858) 822-7803
Fax: (858) 822-2249

rev. 9/16/2019
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Introductory Pharmacy Practice Experience

- Students are expected to engage in introductory pharmacy practice experiences in the areas of community pharmacy, institutional health-system pharmacy, health-related service learning and simulated activities during the first three years of the pharmacy curriculum.
- These experiences are intended to serve as a bridge between didactic courses and Advanced Pharmacy Practice Experiences in the fourth year of the curriculum.
- Students must complete all required IPPEs by the end of the Winter Quarter of the P-3 year.
- Students must complete 300 hours of IPPEs (composed of Community, Institutional Health-System, Service Learning, Simulated Activities) in order to progress to fourth year APPEs. Students should refer questions to the Office of Experiential Education.
- Students must attend all activities and complete all evaluations within 5 business days to receive IPPE credit for the activity.
- Students are responsible for maintaining competencies required for pharmacy practice (e.g. immunizations, CPR, OSHA, background checks). The Offices of Student Affairs and Experiential Education will coordinate the record keeping.

The Community and Health-System IPPEs are required experiences within the pharmacy curriculum to provide an introduction to the profession in alignment with didactic course work. The IPPEs are designed to begin application of direct patient care responsibilities, including but not limited to, patient safety, basic patient assessment, medication information, identification and assessment of drug related problems, and counseling patients. The IPPEs are designed to be a longitudinal, progressive, learning experience to be conducted over the course of a student’s first three professional years to develop the students understanding of what constitutes exemplary pharmacy practice. Additionally, IPPE’s involve interaction with preceptors and patients, ensuring exposure to medication distribution as well as interprofessional team- based patient care. Specific community and health-system IPPE student activities and competencies, as per the ACPE Standards, are described in this syllabus.
INTRODUCTORY PHARMACY PRACTICE EXPERIENCE (IPPE)
COMMUNITY PHARMACY

I. Course Description: SPPS 200A (1 unit)

Student pharmacists will learn the various roles of pharmacists in the delivery of health care services in community pharmacy practice settings. Students will have the opportunity to provide direct patient-oriented medication delivery and health care to a diverse patient population, and practice effective communication with patients and the other members of the health care community. Through this supervised experience, the student will be able to apply concepts from clinical didactic course work to situations to ensure competencies in direct patient care, management and use of resources and promotion of wellness and disease prevention. In addition to gaining proficiency in roles related to assessing patient data and reviewing and evaluating medications orders, students will also be involved in processes related to product delivery and operations management. The setting of the Community Pharmacy experience may include independent, chain, and health-system community sites.

II. Prerequisites
A. Students must have a pharmacy intern license.
B. Students must have up-to-date immunization records and have received HIPAA training.
C. Students must meet eligibility requirements to progress to IPPEs per SSPPS Progression Policy.
D. Students must meet expectations as stated in the SSPPS Guidelines on the Evaluation of Professionalism.
E. Students must have requisite training/certifications necessary for the given activity.

III. Course Goals

The community pharmacy IPPEs are designed to introduce the student to the fundamentals of community pharmacy practice. Students will participate in a variety of community pharmacy and patient care-related activities with the pharmacy preceptor(s).

IV. Course Objectives

By the end of both the community and health-system pharmacy IPPE experiences, the student will be able to:

A. Accurately prepare, label, dispense and distribute medications to ensure patient safety
B. Collect, record, and assess patient data to identify medical and medication-related problems
C. Demonstrate knowledge of commonly used medications, formulations and drug products
D. Identify and assess for potential drug-related problems
E. Perform accurate pharmaceutical calculations involved in the preparation of compounded preparations
F. Demonstrate caring, ethical and professional behavior when interacting with patients, caregivers, health care professionals, and in all practice activities
G. Demonstrate effective and appropriate verbal, non-verbal and written communication abilities when interacting with patients and their caregivers, and other health care professionals
H. Provide effective health and medication counseling to patients and their caregivers
I. Demonstrate appropriate use of drug information resources to assist in patient care
J. Promote to patients the importance of health, wellness and disease prevention
K. Assist patients with questions/problems related to prescription medication coverage, health insurance or economic barriers to healthcare.
V. Activities

During the first day of rotation, the student and preceptor should review the syllabus and domain checklist. Students will be expected to participate in activities, as assigned by the preceptor and other healthcare professionals that are deemed appropriate and necessary for the care of patients in the community pharmacy. Activities may include, but not be limited to, the following:

A. During the first day of rotation the student and preceptor should review the syllabus and domain checklist as well as any expectations for the rotation.
B. Pharmacy tour (location of medications, supplies, references, and other areas of importance)
C. Introduction to employees
D. Introduction to pharmacy workflow
   a. Receiving prescriptions from patients
   b. Screening prescriptions
   c. Hand off to order entry
E. Introduction to inventory control
   a. Purchasing
   b. Pricing
   c. Outdated medications
   d. Return to wholesaler
   e. Return to stock/Returns from patients
   f. Recalls
F. Legal Standards
   a. Prescription requirements-written and oral
   b. Refills
   c. Introduction to controlled substance dispensing/ security forms
   d. Filing/record keeping for prescriptions, invoices, etc.
   e. HIPAA regulations
   f. Methamphetamine Act (PSE)
   g. Pharmacist in Charge/Pharmacist responsibilities
   h. Board of Pharmacy/DEA/DHS oversight
G. Third Party Reimbursement
   a. Managed care/PBM
   b. Government payors (MediCal, CMS, CCS, GHPP)
   c. Health plan website use/patient eligibility
H. Computer data entry
   a. Preparing and dispensing prescriptions
   b. Performing pharmaceutical calculations for compounded preparations
   c. Receiving prescriptions
   d. Reviewing prescriptions
      1. Check allergies
      2. Clinical review/patient profile
      3. Check for correct drug, dose and route
      4. Clinical Pharmacology/On line references
         a. Prescription transfers
      e. Disease state management (may be specific to site i.e. BMT, HIV, Diabetes, Asthma, etc)
      f. Medication Therapy Management (MTM)
      g. OTC product selection
      h. Preventive health (immunizations, tobacco cessation, etc.)
      i. Patient Counseling
      j. Regulatory/Performance Improvement
         1. Board of Pharmacy standards
VI. Evaluations
A. IPPEs are graded as Pass/No Pass.
B. If a student receives a no pass grade for a rotation, the student must make up the experience in a subsequent block.
C. Students must have submitted completed evaluations of their sites/preceptors within business 5 days of the completed activity in order to receive their grade.
D. Students must attend all required community pharmacy IPPE hours (total of 120 hours) assigned to them in order to receive their grade; students must demonstrate competency in all eleven core domains (pp 14-17) as noted in Course Objectives (Section IV) by the end of both community and health-system IPPE experiences.
E. IPPE Required Domains- Students should focus on highlighted domains, which are expected to be experienced in a Community Pharmacy setting:
   1. Patient Safety - Accurately Dispense Medications
   2. Basic Patient Assessment
   3. Medication Information
   4. Identification, Assessment, and Resolution of Drug-related Problems
   5. Mathematics applied to pharmaceutical calculations, compounded medications, dose calculations, and applications of pharmacokinetic calculations
   6. Ethical, Professional, and Legal Behavior
   7. General Communication Abilities
   8. Counseling Patients
   9. Drug Information Analysis and Literature Research
   10. Health and Wellness – Public Health
   11. Insurance /Prescription Drug Coverage
INTRODUCTORY PHARMACY PRACTICE EXPERIENCE (IPPE)
INSTITUTIONAL HEALTH-SYSTEM

I. Course Description: SPPS 200B (1 unit)

Student pharmacists will learn the various roles of pharmacists in the delivery of health care services in the institutional health systems settings. Students will have the opportunity to provide direct patient-oriented medication delivery and health care to a diverse patient population, and practice effective communication with members of the health care team. Through this supervised experience, the student will be able to apply concepts from clinical didactic course work to situations to ensure competencies in patient care, management and use of resources, and efficiency within institutional health-system settings. In addition to gaining proficiency in roles related to assessing patient data and reviewing and evaluating medications orders, students will also experience product delivery and operations management.

II. Prerequisites

1. Students must have a pharmacy intern license.
2. Students must have up-to-date immunization records and have received HIPAA training.
3. Students must meet eligibility requirements to progress to IPPEs per SSPPS Progression Policy.
5. Students must have requisite training/certifications necessary for the given activity.

III. Course Goals

The Institutional Health-System IPPEs are designed to introduce the student to the fundamentals of institutional health-system pharmacy practice. Students will participate in a variety of hospital pharmacy and patient care-related and activities with the pharmacy preceptor(s).

IV. Course Objectives

By the end of both the community and health-system pharmacy IPPE experiences, the student will be able to:

1. Accurately prepare, label, dispense and distribute medications to ensure patient safety
2. Collect, record, and assess patient data to identify medical and medication-related problems
3. Demonstrate knowledge of commonly used medications, formulations and drug products
4. Identify and assess for potential drug-related problems
5. Perform accurate pharmaceutical calculations involved in the preparation of compounded preparations
6. Demonstrate caring, ethical and professional behavior when interacting with patients, caregivers, health care professionals, and in all practice activities
7. Demonstrate effective and appropriate verbal, non-verbal and written communication abilities when interacting with patients and their caregivers, and other health care professionals
8. Provide effective health and medication counseling to patients and their caregivers
9. Demonstrate appropriate use of drug information resources to assist in patient care
10. Promote to patients the importance of health, wellness and disease prevention
11. Assist patients with questions/problems related to their prescription medication coverage, health insurance or economic barriers to healthcare
V. Activities

A. Students will be expected to participate in activities, as assigned by the preceptor and other healthcare professionals that are deemed appropriate and necessary for the care of patients in the institutional health-system. Activities may include, but not be limited to, the following:

1. During the first day of rotation, the student and preceptor should review the syllabus and domain checklist as well as any expectations for the rotation
2. Pharmacy tour
   a. Location of oral and IV medications and supplies
   b. Location of resources and areas of importance
3. Introduction to employees
4. Introduction to reference materials commonly used in daily activities of institutional settings (Clinical Pharmacology Online, Micromedex, Intranet, etc.)
5. Introduction to pharmacy workflow
   a. Receiving orders from physicians, nurses, pharmacy staff
   b. Completing order entry
   c. Filling orders via unit dose, intravenous/admixture processes
6. Review and discuss the established hospital policies and procedures
7. Introduction to institutional medication distribution system (unit dose, cart fill, automated dispensing system [PYXIS, Omni-Cell, Sure-Med] etc.)
8. Introduce concept of medication control (especially systems used to monitor and manage Controlled Substances), storage and security functions related to the medication distribution process
9. Introduction to inventory control
   a. Purchasing
   b. Pricing
   c. Outdated medications
   d. Return to wholesaler
   e. Return to stock/Returns from patients
   f. Recalls
10. Discuss the utilization of the hospital drug formulary program and its impact on cost effective patient-centered care
11. Shadow clinical pharmacists for an introduction to the role of the clinical pharmacist (team-based, operations-based)
12. Discuss the current quality improvement programs the institution employs and their impact on error control
13. Shadow pharmacists and technicians and discuss the importance of aseptic technique; observe preparation of IV admixtures and IV room maintenance activities
14. Discuss legal and regulatory standards
   a. Order processing
   b. Introduction to controlled substance dispensing
   c. Filing/record keeping
15. HIPAA regulations
16. Pharmacist and technician responsibilities
17. The Joint Commission, CDPH, Board of Pharmacy, DEA and other regulatory agency oversight

VI. Evaluations
A. IPPEs are graded as Pass/No Pass.
B. If a student receives a no pass grade for a rotation, the student must make up the experience in a subsequent block.
C. Students must have submitted completed evaluations of their sites/preceptors within business 5 days of the completed activity in order to receive their grade.
D. Students must attend all required health-system pharmacy IPPE hours (total of 80 hours) assigned to them in order to receive their grade; students must demonstrate competency in all eleven core domains (pp 14-17) as noted in Course Objectives (Section IV) by the end of both community and health-system IPPE experiences.
E. IPPE required domains: IPPE Required Domains- Students should focus on highlighted domains, which are expected to be experienced in an Institutional Health-System Pharmacy setting:
   1. Patient Safety - Accurately Dispense Medications
   2. Basic Patient Assessment
   3. Medication Information
   4. Identification, Assessment, and Resolution of Drug-related Problems
   5. Mathematics applied to pharmaceutical calculations, compounded medications, dose calculations, and applications of pharmacokinetic calculations
   6. Ethical, Professional, and Legal Behavior
   7. General Communication Abilities
   8. Counseling Patients
   9. Drug Information Analysis and Literature Research
10. Health and Wellness – Public Health
11. Insurance /Prescription Drug Coverage
HEALTH-RELATED SERVICE LEARNING

I. Course Description: SPPS 200C (1 unit)*

Health-related service learning is an opportunity for students to learn about social issues and apply their knowledge and skills to address a need in their community. It helps foster professional responsibility and development of a sense of caring for others, and enhances and reinforces what is taught in the didactic curriculum. Health-related service learning provides opportunities for interaction with other health care professionals, as well as patients and caregivers in the community.

II. Prerequisites

A. Students must have a pharmacy intern license.
B. Students must have up-to-date immunization records and have received HIPAA training.
C. Students must meet eligibility requirements to progress to IPPEs per SPPS Progression Policy.
D. Students must meet expectations as stated in the SSPPS Guidelines on the Evaluation of Professionalism (see Appendix 2).
E. Students must have requisite training/certifications necessary for the health-related service learning activity.

III. Course Goals

Health-related service learning activities are intended to engage the student in helping the community while reinforcing knowledge and skills learned in the didactic curriculum. Students will participate in the events with oversight by a licensed pharmacy preceptor(s). A minimum of 50 hours of Service Learning IPPE must be completed by the end of Winter Quarter (i.e. March) of the P3 year.

IV. Course Objectives

By the end of the health-related service learning activity, the student will be able to:
A. Demonstrate caring, ethical and professional behavior when interacting with members of the community, their peers, and other health care professionals.
B. Provide appropriate health-related and/or medication counseling to members of the community.
C. Demonstrate effective communication abilities with members of the community and other health care professionals.

V. Activities

Students will be expected to participate in activities that promote community engagement, service, and learning throughout their pharmacy academic career. Health-Related Service Learning IPPEs are activities involving patient care and consumer/education (not health provider education). Examples of approved health-related service learning activities are posted under IPPE resources on PILS.

VI. Evaluations

A. Completion of a Health Related Service Learning checklist with reflection is submitted by the student in Oasis, and is approved by the Preceptor.
B. Students must complete the required number of hours dedicated to service learning per the policies of OEE.
C. Students must have submitted completed evaluations of their sites/preceptors within 5 business
days of the completed activity in order to receive their grade.

*Credit for SPPS 200C is earned upon completion of both Simulation and Health-Related Service Learning activities.
SIMULATED ACTIVITIES

I. Course Description: SPPS 200C (1 unit)*

Simulated activities are included within the curriculum to expose students to activities or events that replicate pharmacy practice that may not be encountered during other IPPE or APPE learning experiences. Simulation may include use of medium-high fidelity manikins, standardized patients, standardized colleagues, role-play and computer-based simulations. Simulated activities may occur with pharmacy colleagues as well as medical, nursing and other healthcare professionals.

II. Prerequisites

1. Students must be in good standing based upon academic and professional standards.
2. Students must have up-to-date immunization records and have received HIPAA training.

III. Course Goals

Simulation activities are intended to expose the student to patient care scenarios or activities that may not be practically encountered during the existing IPPE and APPE experiences. These activities should enhance the existing experiential activities and reinforce knowledge and skills learned in the didactic curriculum. Students will participate in the events with oversight by a pharmacy preceptor(s).

IV. Course Objectives

While the objectives of each simulated activity may differ, by the end of each simulated activity, the student will be able to fulfill at least one of the following IPPE objectives:

A. Accurately prepare, label, dispense and distribute medications to ensure patient safety
B. Collect, record, and assess patient data to identify medical and medication-related problems
C. Demonstrate knowledge of commonly used medications, formulations and drug products
D. Identify and assess for potential drug-related problems
E. Perform accurate pharmaceutical calculations involved in the preparation of compounded preparations
F. Demonstrate caring, ethical and professional behavior when interacting with patients, caregivers, health care professionals, and in all practice activities
G. Demonstrate effective and appropriate verbal, non-verbal and written communication abilities when interacting with patients and their caregivers, and other health care professionals
H. Provide effective health and medication counseling to patients and their caregivers
I. Demonstrate appropriate use of drug information resources in patient care
J. Promote to patients the importance of health, wellness and disease prevention
K. Assist patients with questions/problems related to prescription medication coverage, health insurance or economic barriers to healthcare

V. Activities

Students will be expected to participate in activities, as assigned by the preceptor and other healthcare professionals that are deemed appropriate and necessary for the care of patients at the event/scenario. Activities may include, but not limited to, the following:
A. Objective Structured Clinical Examination (OSCE) Workshops
   1. Community pharmacy simulation workshop
   2. Online interactive module
   3. Simulation-based workshop focused on over-the-counter drug products
   4. Interprofessional OSCE activity with UCSD School of Medicine and University of San Diego School of Nursing
   5. Simulation-based workshop focused on prescription drug products

B. Role-Play Simulation Activities
   1. Glucose monitor training
   2. Pulmonary device counseling training
   3. Insulin subcutaneous self-injection training
   4. Diabetes-focused physical assessment training
   5. Vital sign measurement training
   6. Immunization certification
   7. Smoking cessation certification
   8. Compounding/IV preparation activities
   9. Senior health education activities

VI. Evaluations

   A. IPPEs are graded as Pass/No Pass.
   B. Completion of a Reflection Assignment based upon the simulation based activity as assigned by the coordinator/faculty/preceptor and submitted to the OEE.
   C. Students must have submitted completed evaluations of their sites/preceptors within 5 business days of the completed activity
   D. Students must attend all required simulation/OSCE activities assigned to them.

   *Credit for SPPS 200C is earned upon completion of both Simulation and Health-Related Service Learning activities.
### Appendix 1: IPPE Domain Checklist/Competencies

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<th>Must complete at least one example activity to satisfy domain</th>
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<td><strong>Domain 1. Patient Safety - Accurately Dispense Medications</strong></td>
<td><strong>Accurately prepare and dispense medications or supervise the preparation of medications.</strong>&lt;br&gt; * Evaluate the acceptability and accuracy of a prescription and verify that the information is correct and then correctly prepare the prescription and label for dispensing.&lt;br&gt; * Evaluate appropriateness of medication orders by correlating the order with patient-specific data and drug information.&lt;br&gt; * Compound parenteral and non-parenteral drug products using accurate calculations, pharmaceutical components, and techniques.&lt;br&gt; * Dispense medications and devices in accordance with legal requirements * Provide safe, accurate and time-sensitive medication distribution.&lt;br&gt; * Appropriately compound, dispense, or administer a medication, pursuant to a new prescription, prescription refill, or drug order.&lt;br&gt; * Accurately process and dispense medication pursuant to a new prescription, prescription refill or drug order.&lt;br&gt; * Accurately evaluate and process and new prescription, prescription refill, and medication order in accordance with the law.&lt;br&gt; * Determine appropriate storage of compounded medications before and after dispensing.</td>
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<td><strong>Domain 2. Basic Patient Assessment</strong></td>
<td>Collect patient histories in an organized fashion, appropriate to the situation and inclusive of cultural, social, educational, economic, and other patient-specific factors affecting self-care behaviors, medication use and adherence.&lt;br&gt; * Obtain, record, and interpret a history from a patient to at minimum include drug allergies and reactions, drugs (prescription, OTC, and herbal) being taken, doses being used, cultural, social, educational, economic, and other patient-specific factors affecting self-care.&lt;br&gt; * Patient Assessment: Obtain and interpret patient information to determine the presence of a disease, medical condition, or drug-related problem(s), and assess the need for treatment and/or referral.&lt;br&gt; * Gather and organize accurate and comprehensive patient-specific information.&lt;br&gt; * Obtain and interpret patient information, inclusive of cultural, social, educational, economic, and other patient-specific factors affecting self-care behaviors, medication use and adherence to determine the presence of a disease, medical condition, or drug-related problem(s), including a basic medication history from a patient to include drug allergies, a description of allergic reactions, drugs being taken, doses being used, over the counter medications being taken, and herbal/natural products being used.&lt;br&gt; * Obtain accurate and comprehensive patient history (include drug allergies, a description of allergic reactions, drugs being taken, doses being used, over the counter medications being taken, herbal/natural products being used, self-care behaviors, and adherence).&lt;br&gt; * Gather information necessary to evaluate patient drug therapy (both patient history and utilization of a chart).&lt;br&gt; * Record all patient information accurately, legally and succinctly.&lt;br&gt; * Perform a basic review of a patient’s medication profile to identify medication allergies, correct doses, duplicate medications, and important drug interactions.&lt;br&gt; * Obtain and accurately record a patient’s health and medication history.&lt;br&gt; * Gather and accurately record a patient’s health and medication information from his/her medical record.&lt;br&gt; * Evaluate patient information to determine the presence of a disease, medical condition,</td>
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or drug-related problem(s), and assess the need for treatment and/or referral.
* Evaluate a patient's medication profile to identify medication allergies, appropriate doses and patient instructions, duplicate medications, and clinically relevant drug interactions.
* Identify and prioritize a patient's drug-related problems.

**Domain 3. Medication Information**

| Student demonstrates knowledge of and accepts responsibility for that knowledge of commonly used medications, formulations, and drug products. |
| Summarize key information related to the use of common (Top 200) medications. |
| * Identify brand and generic names, dosage forms and usual dosing ranges for common (Top 200) medications. |
| * Describe the mechanism of action of common medications (Top 200 medications) at the molecular, cellular, systems, and whole organism levels. |
| * List and describe the mechanism(s) of common drug interactions. |
| * Cite the spectrum and common indications for commonly used antibiotics. |
| * Identify target drug concentrations for Narrow Therapeutic Index drugs. |
| * Determine the appropriate storage of compounded medications before and after dispensing. |

**Domain 4. Identification, Assessment, and Resolution of Drug-related Problems**

| Student correlates drug related variables and patient related variables to identify and assesses drug related problems. Evaluates how the unique characteristics of patients and patient populations impact on manifestations of drug-related problems. |
| Evaluate medication orders to identify drug related problems. |
| * Assess the urgency and risk associated with identified drug-related problems. |
| * Evaluate patient information and medication information that places a patient at risk for developing drug-related problems. |

**Domain 5. Mathematics applied to pharmaceutical calculations, compounded medications, dose calculations, and applications of pharmacokinetic calculations**

| Student utilizes pharmaceutical and pharmacokinetics mathematics to perform accurate medication calculations. Values the importance of total accuracy in performing and applying these calculations. |
| Perform accurate pharmaceutical calculations, especially involved in the preparation of compounded oral, topical, rectal, ophthalmic, or parenteral preparation, and pharmacokinetic calculation of appropriate doses. |
| * Apply mathematical principles (e.g., accurately perform dose calculations, kinetics) in pharmacy practice. |

**Domain 6. Ethical, Professional, and Legal Behavior**

| Professionalism: Demonstrate caring, ethical, and professional behavior when interacting with peers, professionals, patients, and caregivers. |
| * Demonstrate sensitivity and responsiveness to culture, race/ethnicity, age, socioeconomic status, gender, sexual orientation, spirituality, disabilities, and other |
| Domain 7. General Communication Abilities | | Domain 8. Counseling Patients |
|------------------------------------------|-------------------------------------------------|
| Student demonstrates effective communication abilities in interactions with patients, their families and caregivers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicits feedback validating understanding of communication. | Communicate effectively (using verbal, non-verbal, and written communication as appropriate) with patients, caregivers, and other health care providers, at a suitable level for the partner in the interaction, to engender a team approach to patient care. * Demonstrate effective communication skills (verbal, non-verbal, and written) at an appropriate level for patients, caregivers, health care providers, and the general public. |
| **Student, in all health-care activities, demonstrates knowledge of and sensitivity towards the unique characteristics of each patient. Complies with all federal, state, and local laws related to pharmacy practice. Demonstrates ethical and professional behavior in all practice activities.** | **Student provides effective health and medication information to patients and/or caregivers and confirms patient and/or caregiver understanding of the information being provided.** |
| aspects of diversity and identity when interacting with patients, caregivers, and other health care professionals. * Comply with federal, state and local laws and regulations related to pharmacy practice. * Practice ethically, including maintaining patient confidentiality, responding to errors in care and professional misconduct (including plagiarism). * Comply with federal, state and local laws and regulations related to pharmacy practice. * Maintain professional and ethical behavior in all practice environments, demonstrating ethical practice, empathy, cultural sensitivity, and professional communications in compliance with all laws, regulations, and professional standards. * Professionalism: Demonstrate empathy, assertiveness, effective listening skills, and self-awareness. * Demonstrate professional and ethical behavior in all practice environments. * Apply legal and regulatory principles to medication distribution, use and management systems. * Accept responsibility for patient care. * Make and defend rational, ethical decisions within the context of personal and professional values. * Demonstrate empathy, assertiveness, effective listening skills, and self-awareness. | Use effective written, visual, verbal, and nonverbal communication skills to provide patient/caregiver self-management education. * Appropriately and accurately provide basic medication counseling to a patient or caregiver receiving a medication. * Assess and validate the ability of patients and their agents to obtain, process, understand and use health- and medication-related information. * Counsel patients on proper self-care and preventative care. * Use appropriate methods of patient education to review indications, adverse effects, dosage, storage, and administration techniques. * Use effective written, visual, verbal, and nonverbal communication skills to provide education to the patient/caregiver on drug, drug use, self- or preventative care, or other health-related education to healthcare providers. * Communicate alternative therapeutic strategies to the prescriber to correct or prevent drug-related problems. * Assist a patient in correctly selecting an over the counter preparation. * Develop and provide drug, drug use, or other health-related education to consumers or health providers. |
### Domain 9. Drug Information Analysis and Literature Research

Student assesses information needs of patients and health providers and applies knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

- Provide accurate and comprehensive drug information from appropriate sources to make informed, evidence-based, patient-specific or population-based decisions.
- Recognize the type of content that is available in general (tertiary), secondary, and primary information sources.
- Collect, summarize, analyze and apply information from the biomedical literature to patient-specific or population-based health needs.
- Collect and interpret accurate drug information from appropriate sources to make informed, evidence based decisions.
- Use effective written, visual, verbal, and nonverbal communication skills to accurately respond to drug information questions.

### Domain 10. Health and Wellness – Public Health

Student knows and applies principles of health and wellness in provision of individual and population-based health and wellness information. Integrates unique characteristics of individuals and populations in design of health and wellness information.

- Participate in activities that promote health and wellness and the use of preventive care measures.
- Promote to patients the importance of health, wellness, disease prevention (e.g., immunizations, tobacco cessation counseling), and management of their diseases and medication therapies to optimize outcomes.
- Provide preventative health services (e.g., immunizations, tobacco cessation counseling)
- Public Health: Promote to patients the importance of health, wellness, disease prevention, and management of their diseases and medication therapies to optimize outcomes.

### Domain 11. Insurance /Prescription Drug Coverage

Student utilizes knowledge of a wide array of private and public health insurance options to assist patients and care givers to obtain their medications and related para-pharmaceuticals in an affordable manner that meets their health care needs.

- Assist with problems related to prescription medication coverage, health insurance, or government health care programs.
Appendix 2: Guidelines on the Evaluation of Professionalism

Student pharmacists are expected to demonstrate professional attributes throughout their training (preclinical and clinical years) both within and outside the boundaries of a course, professional learning experience, or clinical activity. Many attributes of professionalism cannot be observed during a single encounter; thus patterns of behavior, as observed throughout the continuum of training, play an important role in making these determinations. A student pharmacist’s demonstration of the highest standard of professional behavior is necessary to progress to graduation. Therefore, the student’s professional performance will be evaluated as a continuum throughout each year of their training.

The intent of the School, in placing these guidelines into effect, is to provide notice and offer assistance to the student to remedy any identified deficiencies. The School’s hope is that the student may, subsequently, be successful and move forward in his/her profession with utmost confidence.

A faculty member, course director, or preceptor who is concerned about a student’s behavior may give feedback to the student and make suggestions for improvement. A Professionalism Evaluation Form (PEF) may be used to assist in documenting the behavior.

The following may occur if the Course Director, faculty member, administrator, or preceptor identifies students who have not demonstrated the highest standard of professional behavior:

1. The Course Director, faculty member, administrator, or preceptor may choose to complete the Professionalism Evaluation Form (PEF) and discuss the PEF with the student.
2. If a PEF is completed, the student will be given the opportunity to submit a written response within 72 hours of receiving a copy of the PEF.
3. The student and the originator of the PEF will meet to discuss goals for improvement and/or a remediation plan.
4. The completed PEF with or without the student response will be submitted to the Associate Dean for Student Affairs and retained in the student file in the Student Affairs Office. If the incident involved a 4th year student (clinical year), the completed PEF with or without the student response will also be submitted to the Associate Dean for Experiential Education.
5. At the discretion of the Associate Dean for Student Affairs, the PEF may be reviewed by the Academic Oversight Committee for possible further action.
6. Should a student engage in two or more acts of unprofessional conduct, or if the student fails to meet the terms of the remediation plan, the student will be reviewed by the Academic Oversight Committee for appropriate action depending on the nature of the unprofessional conduct.

Examples of unprofessional behaviors

- A student engages in abuse of power in interactions with patients or colleagues
- A student engages in bias and/or sexual harassment
- A student does not respect patient autonomy and/or confidentiality
- A student does not attend required lectures/group sessions
- A student does not respond in a reasonable manner to communications from the faculty and administration
- A student does not attend a patient-related activity, such as the free medical clinics, immunization clinics, or other similar activity, and neglects to make appropriate contact with the preceptor
- A student does not meet the requirements that are in place to progress to their clinical experiences, including but not limited to receiving required immunizations, attending required orientation sessions, and completing other requirements associated with preparation for the clinical years
- A student demonstrates difficulty incorporating feedback in order to make changes in behavior
- A student demonstrates difficulty fulfilling academic and professional responsibilities or tasks in a reliable
• a student misrepresents or falsifies actions and/or information
• a student is not punctual for professional obligations
• a student appears resistant or defensive in accepting constructive feedback and/or criticism
• a student appears unaware of his/her inadequacies and limitations
• a student demonstrates difficulty accepting responsibility for errors
• a student shows signs of being overly critical or verbally abusive during times of stress
• a student demonstrates arrogance
• a student has difficulty creating rapport with fellow students, faculty, staff, or patients in a learning or practice environment
• a student lacks empathy and demonstrates insensitivity to the needs of peers, patients, and/or others
• a student shows signs of not functioning well within the health care team concept
• a student has difficulty establishing and maintaining appropriate professional boundaries in work and learning situations
• a student does not demonstrate honesty
• a student who disrupts the academic environment or impedes the learning opportunities of others
• a student does not treat others with respect, including those of diverse race, gender, religion, sexual orientation, age, disability or socioeconomic status
• a student does not resolve conflicts in a manner that respects the dignity of every person involved
• a student does not use professional language in professional settings
• a student does not protect patient confidentiality
• a student does not dress in an appropriate and professional manner
• a student does not use appropriate names and titles when addressing faculty and preceptor