Institutional Introductory Pharmacy Practice Experience

Course Description:
The Institutional Introductory Pharmacy Practice Experience (I-IPPE) consists of eighty (80) hours in an Institutional setting. Examples of Institutional IPPEs include: Hospital/Health Systems.

Instructor Information:
Preceptors as determined by Introductory Pharmacy Practice Experience (IPPE) schedule

- Full time Faculty
- Shared Faculty
- Adjunct Faculty
- Volunteer Preceptors

Recommended Texts & Resources

- Electronic devise loaded with Lexi-Comp or other drug information resource
- Lexi-Comp Drug Information Handbook (or other hard copy drug information resource)
- Access to (may vary by site) and competency in online Ohio Northern drug information resources

Purpose:
To expose students to the practice of institutional pharmacy, to provide the opportunity to explore the health care team approach to patient care, the role of pharmacists in professional decision making, and how the pharmacist and staff supports the well-being of the patient.

Goals:
The competency based objectives in the I-IPPE should allow for the student to develop an understanding and appreciation for the profession of pharmacy as practiced in an institutional setting. The hallmark skills that would be enhanced are professionalism, knowledge, and attitude for patient care. The I-IPPE should encourage for life-long learning, accountability, and responsibility. These skills will be fostered by:

- Mentorship
- Hands-on experiences with real patients
- Working within an institutional pharmacy
- Involvement in the inner-dynamics of the health-care team

Time Frame:
The 80 hours of I-IPPE will follow the 3rd professional year and be completed as part of the course requirements for Professional Pharmacy Skills 2 Module 4011 (PPS-2).

Grading Policy:
Failure to complete the scheduled IPPE as assigned will result in the Failure of Profession of Pharmacy 3011

Policy regarding academic dishonesty.

The University expects its students to conduct themselves in a dignified and honorable manner as mature members of the academic community and assumes that individually and collectively they will discourage acts of academic dishonesty. The University also expects cooperation among administrators, faculty, staff, and students in preventing acts of academic dishonesty, in detecting such acts, reporting them, and identifying those who commit them, and in providing appropriate punishment for offenders. The University Code of Academic Student Conduct is found in Appendix C of the Student Handbook:

http://www.onu.edu/student_life/student_conduct/student_handbook

Special accommodations policy

Students requiring particular accommodations because of physical and/or learning disabilities should contact their Dean's office prior to or during the first week of classes. For additional information, see: http://www.onu.edu/student_life/disability_services
Objectives:
1. Students shall understand the philosophy of the pharmacy department and its role in patient care.
2. Students shall be able to define and describe the role and function of members within the pharmacy department including:
   a. Pharmacy Technician
   b. Intern
   c. Pharmacist
   d. Support Staff
3. Students shall demonstrate and understand pharmacy operations:
   a. Medication orders
      i. Verbal
      ii. Written
      iii. Faxed
      iv. Electronic order entry
      v. Physician Order Entry
   b. Order processing
      i. Data entry
      ii. Clarification with prescriber when necessary
      iii. Patient profiles/Patient charts
      iv. Medication labels
      v. Filling of order
      vi. Delivery of medication
      vii. Location of medication stock and order entry aside from main pharmacy (when applicable)
      1. Floors
      2. Decentralized pharmacy areas
      3. Remote Clinics
     viii. Unique medication orders
      1. STAT orders
      2. Therapeutic interchange orders
      3. Orders after hours (when applicable)
      4. Non-formulary orders
      5. Narcotic orders
      6. Off-label Medication use
      7. Use of "home med"
      8. Stop orders
   c. Regulatory
   d. Automated medication systems
      i. Devices
      ii. Access to medication
      iii. Safety
      iv. Monitoring
      v. Inventory
      vi. Security
   e. Inspection and filling of medication storage units
      i. Crash carts
      ii. Emergency Room (ER) boxes
      iii. Ambulance stock
      iv. Operating Room (OR) Stock
      v. Pyxis Units
      vi. Robots
   f. Inventory Management
      i. Ordering Prescription products
      ii. Ordering Controlled Substances
      iii. Ordering OTCs
   g. Opening and closing of pharmacy (when applicable)
   h. Pharmacist and staff scheduling
4. Students shall observe and understand medication administration in the institutional setting including:
   a. Medication administration records
   b. Narcotic count sheets
   c. Injectable administration
      i. Intravenous (IV)
      ii. Intramuscular (IM)
      iii. Subcutaneous (SQ)
   d. Oral administration

5. Students shall demonstrate and understand: Professional Activities, Roles and Responsibilities
   a. Community Involvement
   b. Indigent Care services
   c. Local Pharmacy Organizations
   d. State Pharmacy Organizations
   e. National Pharmacy Organizations
   f. Institutional Codes and the Pharmacy's responsibilities
      i. Blue
      ii. Black
      iii. Red
   g. Emergency preparedness
   h. Institutional Committees such as:
      i. Nutritional support
      ii. Infection Control
      iii. Medication Safety
      iv. Ethics
      v. Investigational Review Board (IRB)

6. Students shall demonstrate and understand: Legal and Regulatory Issues
   a. Controlled substance recording keeping
   b. Drug diversion
   c. Impaired health care workers services (i.e. Pharmacist Rehabilitation Program: PRO)
   d. Health Insurance Portability and Accountability Act (HIPAA)
   e. Occupational Safety and Health Administration (OSHA)
   f. Technician vs. Intern vs. Pharmacist roles

7. Students shall demonstrate and understand: Sterile products compounding
   a. Understand and apply aseptic techniques
      i. Compound an intravenous (IV) medication
      ii. Use IV compounding machines (when available)
   b. Demonstrate the ability to complete calculations related to:
      i. IV piggy back concentrations
      ii. Patient doses based on weight
      iii. Large volume flow rates
      iv. Smart Pumps
      v. Patient Controlled Administration (PCA) pumps
   c. Know how to find information related to:
      i. IV compatibility
      ii. IV stability
      iii. IV expiration information and storage requirements

8. Students should understand: Institutional departments (where applicable)
   a. Intensive Care Unit (ICU)
   b. Cardiac Care Unit (CCU)
   c. Operating Room (OR)
   d. Emergency Department (ED) or Emergency Room (ER)
9. Students should observe and understand: Clinical Services
   a. Medication monitoring
   b. Dosing
   c. Therapeutic recommendations
   d. Medication Reconciliation
   e. Patient education and discharge counseling
   f. Medical rounds
   g. Medication Error reporting
   h. Antibiotic stewardship
   i. Pain management
   j. Anticoagulation services
   k. Transitions of care

10. When appropriate preceptors shall allow for students to:
    a. Aid in the provision of direct patient care
    b. Observe clinical services
    c. Communicate with other healthcare professionals
    d. Counsel and communicate with patients
    e. Participate/Observe committees that involve the pharmacy department
Student Requirements:

A. Fill out on-line survey from the Office of Experiential Education (OEE) which has the top 5 sites for your specific housing location.
   a. The student is expected to complete eighty (80) hours at the Institutional site
   b. All absences must be approved by the preceptor and the time must be made up

B. Completed immunization records with the student health center, along with a 2-step TB testing
C. Background Check (if out of state each state may require an additional Background Check)
D. Valid Ohio Intern’s License (If out of state a valid intern license for that state along with Ohio)
E. Proof of Liability Insurance
F. Proof of HIPAA training
G. Proof of OSHA training
H. Proof of Medical Insurance
I. Drug testing (Required at certain sites)
J. Evaluations:
   a. The student will evaluate the preceptor, site and experience
   b. The student will evaluate him/herself on provided checklist
   c. The preceptor will evaluate the student on provided evaluation
   d. Evaluations will be turned in next academic year as part of Professional Pharmacy Skills 2 Module 4011(PPS-2)
K. Reflective Paper
   a. The reflective paper will be 2-3 pages in length (typed, double spaced, 12 point font) and will include descriptions of the I-IPPE as well as information indicating how the experience will affect the student’s pharmacy career
   b. The paper will be turned in and reviewed next academic year as part of Professional Pharmacy Skills 2 Module 4011(PPS-2)(details will be included in appropriate syllabus).