

UCI School of Pharmacy and Pharmaceutical Sciences

Course Syllabus

Course Title	Introductory Pharmacy Practice Experience (IPPE) – Elective
Course Number	PHMD 404
Credits	2 quarter credit (80 clock hours)
Term	Fall, Spring, Summer
Class Time	Varies

Course faculty		
Course Coordinator(s)	Contact Information	Office Hours & Location
Erin D Knox, PharmD Director, Experiential Pharmacy Education	Phone: 949-824-2457 E-mail: edknox@uci.edu	Office: 101 Theory, Suite 100 Office Hours: [via Zoom] Wednesdays at 12p; in person by appointment
Sarah McBane, PharmD Associate Dean of Pharmacy Education	Phone: 949-824-8948 E-mail: smcbane@uci.edu	Office: 101 Theory, Suite 100 Office Hours: by appointment
Site Preceptor(s) per eValue assignment	E-mail: Contact via email provided through eValue assignment	Varies

Description

The Elective Health System IPPE is a required course scheduled as a concentrated, two-week block of eight-hour days, or as a longitudinal experience of 8 hours weekly, totaling 80 hours of course instruction on a set cadence during the second year of the PharmD curriculum. The objectives of the IPPE rotation support the overall goal of providing the student early exposure to exemplary pharmacy practice in various areas of healthcare systems. Preceptors are licensed pharmacists who actively participate in aspects of pharmacy practice, specialized practice, non-direct patient care, or healthcare management in various settings. Students may select an elective IPPE in a community or health system setting, however the specific site syllabus must describe objectives and student activities that are distinct from that of IPPE institutional (PHMD 401) or IPPE community (PHMD 402).

Documented completion and compliance with the following are required before beginning an IPPE experience:*

- a. Intern Pharmacist Licensure (valid in the state of California)
- b. Criminal Background Check
- c. Health Record-Immunizations (including annual TB screening, documented hepatitis B immunity or vaccination, annual influenza vaccination, and UCI-specific COVID vaccination documentation)

- d. Health Insurance Portability and Accountability Act (HIPAA) Training
- e. OSHA Blood borne Pathogens Training
- f. Basic Life Support (BLS) [Cardiopulmonary Resuscitation (CPR)] Certification
- g. APhA Immunization Certification (Certificate of Completion)
- h. Other site-specific administrative requirements

*Some sites may have additional requirements for student pharmacists.

Learning Outcomes:

Program Learning Outcome (PLO)	Course Learning Outcome (CLO)	Assessment Strategy (Performance level*)
INDIRECT Patient Care		
4.2, 4.4	Describe roles and responsibilities of pharmacists within the elective IPPE setting.	C1-2, E1
4.3	Assist in completion of a project appropriate for the learning experience and duration.	C1-3
4.1	Distinguish roles and responsibilities of student pharmacists within the scope of the practice setting	C1-2, E1-5
3.2-3.6, 4.1	Demonstrate effective communication skills as relevant for the setting	C2, A1-3, E1-5
2.1-2.4, 3.1	Describe the practical application of pharmacy or healthcare management skills as relevant to the setting	C1-2
4.1-4.4	Model professionalism in all interactions with patients, the public, or other members of the team.	E1-5
DIRECT Patient Care		
4.1-4.4	Model professionalism in all interactions with patients and members of the multidisciplinary team and identify the roles of a pharmacist within the health system.	E1-5
3.2-3.6, 4.1	Demonstrate effective communication skills (verbal, non-verbal, written) appropriate for interactions with patients and/or other healthcare providers in a multidisciplinary setting.	E1-5
2.1-2.4, 4.1-4.4	Actively participate in activities of the patient care team and support collaborative practice.	C1-3, E1-5

3.6	Document activities or interventions in the electronic health record, as appropriate.	C1-3, E1-5
2.2-2.4	Use medication safety and risk concepts to evaluate causes of medication-related errors and describe processes to document and report errors, and report adverse drug reactions.	C1-3
4.4	Recognize federal, state, and local laws and regulations governing scope of pharmacist practice within elective IPPE setting.	C1-3, E1-5

Cognitive C1 = Remember
 C2 = Understand, Apply
 C3 = Analyze, Evaluate, Create (meta-cognitive)

Affective A1 = Receive
 A2 = Respond, Value
 A3 = Organize, Internalize

Psychomotor P1 = Perception, Set, Guided Response (imitation)
 P2 = Mechanism (intermediate proficiency)
 P3 = Complex overt, adaptation, origination

Entrustability E1 = Observe only, even with direct supervision
 E2 = Perform with direct, proactive supervision
 E3 = Perform with reactive supervision (i.e., on request and quickly available)
 E4 = Supervise at a distance and/or post hoc
 E5 = Supervise more junior colleagues

*Adapted from:

- Anderson, L. W. and Krathwohl, D. R., et al (Eds.) (2001) *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*. Allyn & Bacon. Boston, MA (Pearson Education Group).
- Simpson, E.J. (1972). *The classification of educational objectives in the psychomotor domain*. Washington, DC: Gryphone House.
- Krathwohl, D.R., Bloom, B.S., Masia, B.B. (1973). *Taxonomy of Educational Objectives, the Classification of Educational Goals. Handbook II: Affective Domain*. New York: David McKay Co., Inc.
- Pittenger AL, Chapman SA, Frail CK, et al. Entrustable professional activities for pharmacy practice. *Am J Pharm Educ*. 2016;80(4):Article 57.

Course Schedule:

Each IPPE elective is a 2-week concentrated block or as a longitudinal experience of 8 hours weekly, totaling 80 hours of instruction scheduled within any of the timeframes that occur during fall PY2, spring PY2, or summer before PY3. Students are assigned placement by a computer-generated optimization and randomization program embedded in eValue (experiential software).

All elective IPPE rotations, with well-defined objectives and learning activities, must be reviewed and pre-approved by OEE prior to placing students. Students on elective IPPE rotation may, under the supervision of a licensed pharmacist, participate in pharmacy activities occurring in one of the following settings: pharmacy benefits management, ambulatory care, specialized patient care hospitals (e.g., pediatrics, student health, or oncology), healthcare administration, healthcare informatics, advanced hospital practice, home infusion pharmacy, advanced or compounding community practice, pharmaceutical company or regulatory practice, academia, or various other pharmacist practice settings. Daily activities must be clearly identified at the start of each rotation; a calendar of activities may be an effective method for tracking completion of objectives and goals. IPPE students must work under the supervision of a pharmacist and comply with all federal, state, and local laws and regulations. Please be aware that rotations are dependent on preceptor availability and may not be offered every year.

Week	Date / Time	Topics	Assignments/ Readings*	Lecturer(s)
1 -10	TBD	<p>Students on IPPE elective rotation may, under the supervision of a licensed pharmacist, participate in healthcare practice processes.</p> <p>Specific student activities will vary between IPPE elective practice sites. See detailed expectations and activities for individual IPPE elective assignments.</p>	<ul style="list-style-type: none"> ▪ Soric, M. M. (Ed.). (2013). Maximize Your Rotations: ASHP's Student Guide to IPPEs, APPEs, and Beyond. ASHP. ▪ Joint Commission of Pharmacy Practitioners. (2014). Pharmacists' patient care process. <p>Students will have access to electronic and/or print drug information resources, either through site-specific access or through the UC Irvine library system.</p>	Preceptor on site

***Subject to change**

Course Instructional Strategies:

This course will utilize principles and norms of adult learning to facilitate achievement of learning outcomes. Instructional strategies may include, but are not limited to, performance-based assignments, active learning techniques, assigned readings, case studies and discussions, in-services and oral presentations, formative feedback, group discussions, practically applied skills in an authentic setting, and/or reflections. Students are encouraged to ask questions of each other and the preceptor during the course.

Students are expected to demonstrate professionalism and abide by all facility guidelines and rules for presence in patient care and pharmacy areas. Students shall abide by dress codes and will wear a short white coat and display school or hospital identification badge, unless instructed otherwise. Students are prohibited from taking photographs, videos, recordings, or copies of documents (including, but not limited to HIPAA protected information) without express written and/or verbal permission from legal, risk, and all parties directly or indirectly related to the activity.

Dear Dr. Pharmacist,

My name is Petra Anteater and I am a PY2 assigned to your site for IPPE elective starting September 26. Currently I am employed as a pharmacy intern at Zot Pharmacy and have experience volunteering at Irvine Hospital in the ICU. My goals for this IPPE are to develop skills in evaluating medication errors, learn the processes for controlled substance audits performed in the health system, and increase my exposure to pharmacists in unique roles within the hospital system. I have a strong interest in oncology and medication safety with long-term goals of completing a residency. Attached is my updated CV for your reference. Please let me know if there is any additional information you would like me to send, I look forward to beginning IPPE next month!

Sincerely,
Petra Anteater, PY2

Once placement is finalized, the student shall email the preceptor at least 2 weeks before the first day of rotation. This email should serve as an introduction, providing background on the student's pharmacy work experience and listing three goals the student seeks to accomplish. An example letter can be found above.

Students may be asked to complete a reflection on their work during the IPPE rotation. This may or may not be required but may be useful for feedback to preceptors and to guide future rotations. Preceptors may contact the UCI Office of Experiential Education for suggestions on reflections, if desired.

Preceptor Responsibilities and Expectations

Preceptors will be responsible for arranging or providing student orientation on day 1 of IPPE, which may vary from a brief meeting with the preceptor to a full, structured orientation.

Preceptors should review processes surrounding badging/identification, parking, schedule, expectations, goals of IPPE, methods and schedule for feedback, health record access, absence protocol, and relevant policies and procedures at the site.

Preceptors:

- a) retain ultimate control and responsibility for supervision of patient care
- b) provide students experiences and observational opportunities of educational value
- c) offer verbal and/or written feedback on performance to students at midpoint and conclusion of an IPPE
- d) will immediately contact UCI Office of Experiential Education if the student is performing at a level below the minimum requirements for this IPPE
- e) permit the use of its parking facilities and cafeteria facilities for all students assigned, as available, although a fee may be required
- f) may, upon request, require that any student returning from an absence caused by illness or injury be cleared by a physician
- g) assure that staff is adequate in number and quality to provide safe and continuous health care for patients while maintaining state mandated pharmacist to intern ratios.

Required/Suggested Readings, Tutorials, and Materials:

There are no required readings for this course.

Recommended Readings:

- Soric, M. M. (Ed.). (2013). Maximize Your Rotations: ASHP's Student Guide to IPPEs, APPEs, and Beyond. ASHP.
- Joint Commission of Pharmacy Practitioners. (2014). Pharmacists' patient care process.

Students will have access to electronic and/or print drug information resources, either through site-specific access or through the UC Irvine library system.

Required Equipment and Materials (to be provided by student unless otherwise stated):

- a) Approved short white coat, Scientific calculator if needed, site-approved identification or UCI student badge.

Library Resources:

Library resources may be accessed here: <https://www.lib.uci.edu/>

Grading and Evaluation:

Course grades will be determined as follows:

Midpoint assessment and final assessment to be completed via electronic evaluation system

- Preceptors shall provide feedback to students at set points during each rotation.
- Preceptors are required to document final feedback via electronic evaluation system within 72 hours of IPPE completion.
- Students are expected to complete final site and preceptor evaluations within 24 hours of IPPE completion.

1. School of Pharmacy Grading Scale

% Score	Grade
≥70	Pass
<70	Fail

Score is determined by preceptor of record based on student's progress and ability to perform activities described in course objectives. Preceptor-submitted grades will be reviewed and approved by Director of Experiential Education.

Final percentages ending in the decimal 0.50 or higher will be rounded up. Numbers ending in 0.49 or lower will be rounded down. There will be no exceptions to this policy.

START program and Remediation:

Students are encouraged to contact the course coordinator and individual instructors as early as possible when further clarity on course content is needed or difficulties in course performance are being experienced. Course coordinator(s) may also refer students to the Associate Dean of Pharmacy Student Affairs, as needed to create an individualized action plan. In the case that a student fails the course, the student should refer to the section on Reassessment and Remediation in the PharmD Student Handbook. In addition to what is stated in the Reassessment and Remediation section in the PharmD Student Handbook, students will be evaluated at the midpoint of each IPPE, i.e., upon completion of the first week on-site for concentrated schedules or upon completion of week five for longitudinal experiences. Preceptors should immediately contact the Office of Experiential Education if a student is determined to be performing at a level below the passing score for this IPPE.

University, School, and Course Policies:

Attendance:

Students are required to report to placement site for a minimum of 80 hours over the assigned IPPE timeframe. Preceptors may require student to make up any time missed (due to holidays or illness) during off-hours or on weekends. Prior to day 1, preceptors will provide students expected days and hours of attendance.

Late Assignments:

Assignments are determined by primary preceptors, who will be responsible for communicating expectations, grading, and process for missed work.

Examination Policies:

Refer to the UCI SPPS Exam Day Guidelines for exam day expectations and procedures. Exams will not be administered as a routine requirement of this course, however preceptors may employ various methods for evaluating student knowledge.

Student Accommodations:

University of California, Irvine is committed to providing a barrier free environment for persons with documented disabilities. If you have a disability and feel you need accommodations in this course, please contact the Disability Services Center, located in Building 313, or apply for services online at www.dsc.uci.edu. DSC approved accommodations will be provided for students who present a Faculty Notification Letter from the DSC.

Academic Integrity:

Learning, research, and scholarship depend upon an environment of academic integrity and honesty. This environment can be maintained only when all participants recognize the importance of upholding the highest ethical standards. All student work, including quizzes, exams, reports, and papers must be the work of the individual receiving credit. Academic dishonesty includes, for example, cheating on examinations or any assignment, plagiarism of any kind (including improper citation of sources), having someone else take an examination or complete an assignment for you (or doing this for someone else), or any activity in which you represent someone else's work as your own. Violations of academic integrity will be referred to the Office of Pharmacy Student Affairs. ***Academic dishonesty will not be tolerated in this course.*** If it is discovered that a student has engaged in academic dishonesty, they will not receive credit for the assignment or examination in question. Please refer to the SPPS Student Handbook and speak to the course directors if you have any questions about what is and is not allowed in this course.

Professionalism: **Code of Conduct**

At the University of California, Irvine, we are committed to:

- **Integrity** - We will conduct ourselves with integrity in our dealings with and on behalf of the University.
- **Excellence** - We will conscientiously strive for excellence in our work.
- **Accountability** - We will be accountable as individuals and as members of this community for our ethical conduct and for compliance with applicable laws and University policies and directives.
- **Respect** - We will respect the rights and dignity of others.

All participants are bound by the [University of California Standards of Ethical Conduct](#). Students are expected to conduct themselves in a professional manner at all times and are required to adhere to policies described in the School of Pharmacy & Pharmaceutical Sciences student handbook.

Professional Attire:

Students are expected to follow facility or site-specific dress codes. If a dress code is not specified by the site, business casual attire is suggested and the UCI Health dress code policy should be followed.

<https://www.ucihealthnursing.org/docs/nursing-schools/dress-code-policy.pdf>

Copyright:

Faculty, staff, and students of the University of California use materials created by others for teaching, learning, research, or public service. The University encourages the appropriate use of such materials within the scope of copyright law. Students are required to follow copyright laws and are encouraged to review the copyright and fair use guidelines available on the University's copyright website (<https://copyright.universityofcalifornia.edu/index.html>), among other resources, and to contact their campus librarians if further advice is needed.

Selling, preparing, or distributing for any commercial purpose course lecture notes or video or audio recordings of any course unless authorized by the University in advance and explicitly permitted by the course instructor in writing, is strictly prohibited. The unauthorized sale or commercial distribution of course notes or recordings by a student is a violation of these Policies whether or not it was the student or someone else who prepared the notes or recordings.

Equity & Diversity Statement:

For more than a decade, UCI has taken a university-wide approach to equity, diversity and inclusion. Led by the Office of Inclusive Excellence serves the campus priorities and is committed to a transformative, whole university effort grounded in our values: expect equity, support diversity, practice inclusion and honor free speech. For more information on our commitment to diversity, visit <https://inclusion.uci.edu> and <https://pharmsci.uci.edu/pharm-d/>.

In accordance with these values, we strive to create a learning environment that serves all students and is enhanced by the diverse backgrounds and perspectives within our school community. The materials presented in this course and discussions that take place during class shall be respectful of diversity: ethnicity, race, age, gender and gender identity, sexuality, religion, disability, socioeconomic status, and culture. Members of this class are encouraged to participate actively during class meetings and contribute their ideas and opinions. Students and faculty must help create a safe, inclusive environment by demonstrating respect for every other person. We encourage you to share your suggestions. Additionally, we urge you to engage in open dialogue with faculty members or program administrators and report any experiences of unfair or hostile treatment. The following resources are available to students: The UCI Office of Inclusive Excellence (<https://inclusion.uci.edu>), UCI School of Pharmacy & Pharmaceutical Sciences Office of Student Affairs.