

PHAR 7284 – IPPE 4: Intro Pharmacy Practice Experience 4 (Institutional)
Fall/Spring 2019 – 2020
P2 Students (Class of 2022)

Course Description

This course focuses on the development and application of pharmacy practice skills and basic drug knowledge through the completion of experiential hours in an institutional pharmacy practice setting and at patient care events.

Additional Course Information

This course focuses on the application of pharmacy practice skills by providing experiences with a preceptor in an institutional pharmacy setting and at patient care events. This includes but is not limited to medication order processing, pharmacy site procedures, immunization screening and administration, discharge counseling, researching drug information, and other institutional pharmacy practice skills. The top prescription medications and the top non-prescription medications will be assigned for self-study, and assessed as a midterm and final exam.

Course Credit

2 credit hours

Pre-Requisites

PHAR 7281 or equivalent

Co-Requisites

None

Class Meeting Days, Time & Location

IPPE Rotations: Tuesday, Wednesday, or Thursday (one day a week) 8:00 a.m. – 12:00 p.m. or 9:00 a.m. – 1:00 p.m.

IPPE Rotations will be held at assigned institutional rotation sites.

IPPE Rotation Hours Required: 70 hours

Students will work a 5-hour shift one day a week for 14 weeks = 70 hours

OR a 4-hour shift one day a week for 14 weeks, and 14 additional hours during the rotation according to the preceptor's available schedule (one extra hour each week, or ANY shifts during evenings, weekends, or holidays). = 70 hours

Course Coordinator

Karen Ingram R.Ph. (formerly Karen Ratekin)

IPPE Director and Clinical Assistant Professor

W.T. Brookshire Hall Room 347

Phone number: (903) 565-6154

Email: kratekin@uttyler.edu

Office hours: Monday and Friday 8:30am to 10:00 am, and by appointment

Preferred method of contact: Email

Fisch College of Pharmacy (FCOP) and UT Tyler Policies

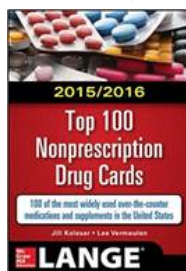
This is part 1 of the syllabus. Part 2 contains UT Tyler and the FCOP course policies and procedures. These are available as a PDF at <https://www.uttyler.edu/pharmacy/academic-affairs/files/fcop-syllabus-policies.pdf>. For experiential courses (i.e., IPPE and/or APPE), the Experiential Manual contains additional policies and instructions that supplement the Syllabus Part 1 and 2. Please note, the experiential manual may contain policies with different deadlines and/or instructions. The manual should be followed in these cases.

Required IPPE Professional Dress Code: See the Experiential Manual and the Course Workbook regarding the required IPPE Dress Code.

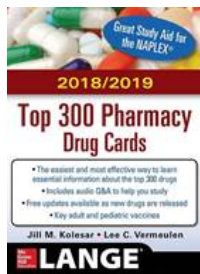
Required Materials

Most course required materials are available through the Robert R. Muntz Library. These materials are available either online* (<http://library.uttyler.edu/>) or on reserve.

1. Top 100 Nonprescription Drug Cards 2015/2016; Eds Jill M. Kolesar PharmD, MS, BCPS, FCCP, Lee C. Vermeulen BSPHarm, MS, FCCP, FFIP
ISBN-13: 978-0071826877; ISBN-10: 0071826874

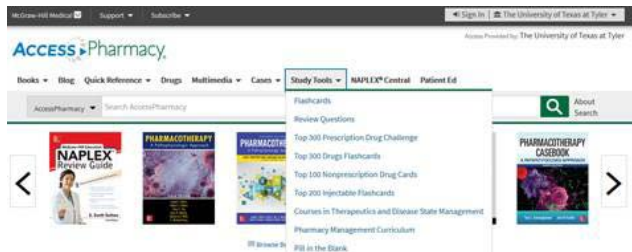


2. McGraw-Hill's 2018/2019 Top 300 Pharmacy Drug Cards 4th Edition; Eds Jill M. Kolesar PharmD, MS, BCPS, FCCP, Lee C. Vermeulen BSPHarm, MS, FCCP, FFIP
ISBN-13: 978-1260108842; ISBN-10: 1260108848



Directions for accessing electronic versions

1. Go to AccessPharmacy through the UT Tyler Library.
2. In the top right corner create a profile.
3. Go back to AccessPharmacy, select "Study Tools" and select "Top 200 Drug Flashcards" or "Top 100 Nonprescription Drug Cards"



3. Other required materials will be posted on Canvas or CORE ELMS www.utt Tyler.edu/canvas or www.corehighered.com

HOW TO PREPARE and STUDY:

1. Study the Top 200 Rx / Top 100 Drug List (Brand / Generic / Therapeutic Class) to prepare for the IPPE Midterm and Final Exams.
P2 Fall 2019: IPPE Midterm, 1-100 Rx, 1-50 OTC
P2 Fall 2019: IPPE Final, 1-200 Rx, 1-100 OTC (and Spring 2020 Midterm and Final)
2. Find your courses for the current semester on the Top 200 Rx / Top 100 Drug list (RX AND OTC)
P2 Students: for the Fall 2019 semester – PTX 1-2
P2 Students: for the Spring 2020 semester – PTX 1-4

Pull the drug cards that are highlighted for these PTX courses.

Study the additional drug card information to prepare for weekly drug quizzes in the PTX courses AND to prepare for the IPPE Midterm and Final Exam.

Additional Drug Card information included in Assessments (Weekly PTX iRAT's & IPPE Midterm / Final)

Rx and OTC Cards:	Medication Name (Brand and Generic) Class MOA Drug Interactions (First 3 listed) Adverse Reactions (Common adverse effects that occur in >10% of patients) Key Counseling Points (all)
OTC Cards:	all the above information, AND All Triage Criteria All Self-Care Monitoring Parameters

Recommended Materials

The recommended materials are available through the Robert R. Muntz Library. These materials are available either online* (<http://library.utt Tyler.edu/>) or on reserve.

Course Format

The course may include, but are not limited to, the following activities:

1. Independent study of selected readings
2. Individual readiness assessment tests (iRATs)
3. Team-based learning, active learning strategies:
 - a. Team readiness assessment tests (tRATs)
 - b. Team application of content and concepts
 - c. Team presentation of content and concepts
 - d. Team projects
4. Paired and Team-based learning activities
5. Mini-lectures
6. Case studies
7. Educational video clips (online and in class)

8. Assessment Tools (iCATs)

Course Learning Outcomes (CLOs)

¹ CLOs	PLO(s) Assessed for this CLO (1-15)	EPAs 1.1-6.1	Assessment Methods	Grading Method	PPCP Skill(s) Assessed 1-5	ACPE Std. 11 & 12 (1-4)
1. Demonstrate skills of processing medication orders and/or participating in the institutional pharmacy workflow as a pharmacy intern.	3	5.2	4	RUB	1, 2	12.4
2. Identify counseling pearls for immunizations and prescription and nonprescription drugs, and apply knowledge by evaluating patient information to assess discharge counseling needs and drug related problems.	4, 6, 7	1.1, 4.1	4	RUB	1, 2, 3, 4, 5	12.4
3. Analyze the pharmacist's role in an inter-professional team and demonstrate the ability to participate in discussions while providing patient care with other health care professionals and prescribers.	1, 4, 9, 11	2.1, 4.1	3, 4	RUB	1, 2, 3, 4	11.3, 12.4
4. Demonstrate drug information knowledge and research skills by utilizing resources to answer questions from pharmacists, and other health care providers.	1, 7, 9, 11	2.1, 4.1	4	RUB	1, 2, 3	11.3
5. Demonstrate foundational knowledge of the Top prescription drugs and the Top nonprescription drugs.	1, 7	-	1, 2, 4	ES RUB	-	12.4

³Course Assessment Methods

	Assessment Method	Description <i>Please provide a brief description of each summative assessment that you plan to use in this course to allow us to identify which ACPE standards are being assessed</i>
1	Midterm Exam - Multiple Choice or Multiple Selection Question(s)	<i>Knowledge and comprehension exam, measured by points.</i>
2	Final Exam - Multiple Choice or Multiple Selection Question(s)	<i>Knowledge and comprehension exam, measured by points.</i>
3	Reflection Essay	<i>Reflective Essay on the IPPE rotation measured by a 4-point Likert scale for completion and uploaded into the MyCred Portfolio in CORE ELMS.</i>
4	Internship/Observation	<i>Preceptor evaluation of performance and professionalism, measured by a 4-point Likert scale in CORE ELMS at Midpoint and Final (Week 7 and Week 14).</i>

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of individual and team readiness assessment tests (iRATs, tRATs), individual and team cumulative assessment tests (iCATs, tCATs), midterm examinations, final written examinations, skills assessments, graded application assignments, participation in team-based projects, peer evaluations and other assessment methods that may include, but not limited to, Objective Structured Clinical Examinations (OSCE). Examinations, RATs and CATs may consist of, but not limited to, multiple-choice, true/false, fill in the blank, short-answer, essay, and problem-based questions.

During the time the course is in progress, students whose cumulative course percentage falls below 70.0% may receive an academic alert and be subject to periodic course content review in special sessions with the course instructor(s). The student's faculty advisor may receive an academic alert to act upon on the student's behalf.

All examinations, tests, and assignments, including the final examination, may be **cumulative**. Students are responsible for material presented during the prior courses. The grading scale for all graded material is below. The final course grade will be assigned according to the calculated percentage and the percentages will not be rounded upward or downward. For additional information, see examination/assessment policy below.

2 Phase IPPE Course Grade Calculation

PHASE 1: PASS or FAIL based on the FINAL EXAM GRADE

Final Exam grade < 70 % = Fail PHAR 7283

Final Exam grade 70 – 100% = Course grade is determined by the
Standard Grade Calculation

PHASE 2: Standard Grade Calculation

(for students with a final exam grade of 70 – 100%)

Standard Grade Calculation*

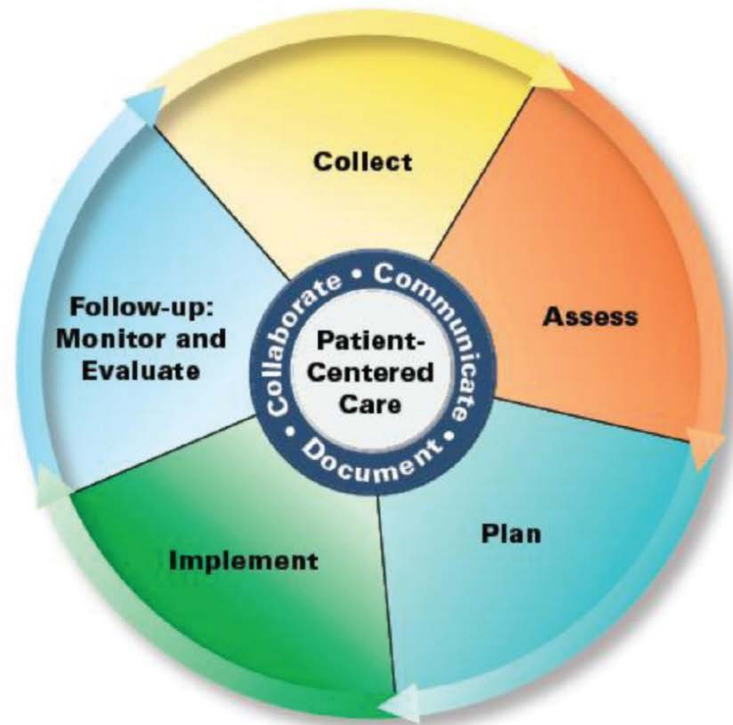
Individual Component	100%
iRATs/Other Individual Activities	
Rotation Requirements	5 %
**Completion of 70 IPPE Hours in 14 weeks	5 %
Portfolio and Rotation Assignments	10 %
Major Assessments (e.g., Midterm/Final Exams)	
Preceptor's Midpoint Assessment	15 %
Preceptor's Final Assessment	25 %
Midterm Exam	15 %
Final Exam	25 %

**Phase 2, Standard Grade Calculation: The final course letter grade will be determined according to the following grading scheme:*

A	90 - 100 %
B	80 - 89.999 %
C	70 - 79.999 %
D	65.0 - 69.999 %
F	< 65.0 %

** Completion of 70 IPPE hours in 14 weeks is required to receive a final grade in the course. Failure to complete 70 hours may result in an Incomplete until the hours are completed at the IPPE Director's discretion. Failure to complete the required IPPE Hours within the assigned rotation could also affect the final course grade and may delay IPPE rotations or progression.

Pharmacists' Patient Care Process (PPCP)



Collect

The pharmacist assures the collection of the necessary subjective and objective information about the patient in order to understand the relevant medical/medication history and clinical status of the patient.

Assess

The pharmacist assesses the information collected and analyzes the clinical effects of the patient's therapy in the context of the patient's overall health goals in order to identify and prioritize problems and achieve optimal care.

Plan

The pharmacist develops an individualized patient-centered care plan, in collaboration with other health care professionals and the patient or caregiver that is evidence-based and cost-effective.

Implement

The pharmacist implements the care plan in collaboration with other health care professionals and the patient or caregiver.

Follow-up: Monitor and Evaluate

The pharmacist monitors and evaluates the effectiveness of the care plan and modifies the plan in collaboration with other health care professionals and the patient or caregiver as needed.

<https://www.pharmacist.com/sites/default/files/files/PatientCareProcess.pdf>

Joint Commission of Pharmacy Practitioners

PHAR 7284 – Intro Pharmacy Practice Experience - 4 (Institutional) Course Schedule

Week	Date 2019-2020	Topic	Instructor	CLO ¹	Disease State
1	Fall 8/26 – 8-30 Spring 1/13 – 1/17	Weeks 1-14: Drug Information, Dispensing, Patient Assessment, Patient Safety, Self-Care, Public Health: Rotation Weeks 1-14: Research and analyze all drug related questions or problems, and administer any requested immunizations, plus other weekly topics: 1. Site Overview / Orientation 2. Pharmacists' Patient Care Process (PPCP) 3. Legal Requirements for Medication Orders	Preceptors	2, 3, 4, 5	\$15.19 \$20.01
2	Fall 9/2 – 9/7 Spring 1/20 – 1/24	1. Informatics / Technology 2. Automation 3. Medication Order Entry	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
3	Fall 9/9 – 9/13 Spring 1/27 – 1/31	1. Controlled Substances Order Entry 2. Ordering Controlled Substances 3. Destruction / Recalls of Controlled Substances	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
4	Fall 9/16 – 9/20 Spring 2/3 – 2/7	1. Medication Order Verification 2. Backorders / Recalls	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
5	Fall 9/23 – 9/27 Spring 2/10 – 2/14	1. Basic Calculations 2. Crash Cart / Pharmacist's Participation in Codes	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
6	Fall 9/30 – 10/4 Spring 2/17 – 2/21	1. Medication Errors / Error Prevention 2. Quality Improvement Process	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
7	Fall 10/7 – 10/11 Spring 2/24 – 2/28	Midpoint Evaluations: <i>Preceptor's Evaluation of Student: Basic Skills, Professionalism, and Portfolio</i> Student's Self-Evaluation of Basic Skills and Professionalism 1. Midpoint Portfolio Presentation (Email your MyCred Link to your preceptor by Monday of Week 7 – at 2pm.) 2. Hospital Formulary Management	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
FALL 2019 Midterm Exam 10/18/19 8:30 – 9:50 am WTB 136		Drug Information: Midterm Exam: (70 Questions - Multiple Choice) • 1-100 Rx and 1-50 OTC (Brand, Generic, Therapeutic Class and Group) • Additional Drug Card Information on assigned Rx / OTC's: FALL PTX 1-2 (Highlighted drugs on the 2019-2020 Rx/OTC list)	Prof. Ingram	5	\$20.01
8	Fall 10/14 – 10/18 Spring 3/2 - 3/6	1. Sterile Compounding 2. IV Admixtures 1. Drug Information - Compatibility	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01

9	Fall 10/21 – 10/25 Spring (3/9 – 3/13: Spring Break) 3/16 – 3/20	<i>SPRING: No weekly rotation 3/9– 3/13 (Spring Break); but students may complete part or all of the additional 16 hours during the week of Spring Break according to the preceptor's availability and preference.</i> 1. Drug Information Resources 2. Adverse Drug Reactions	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
10	Fall 10/28 – 11/1 Spring 3/23 – 3/27	1. Drug Information Research 2. Drug Related Problems	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
11	Fall 11/4 – 11/8 Spring 3/30 – 4/3	1. Patient Interaction 2. Discharge Counseling	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
12	Fall 11/11 – 11/15 Spring 4/6 – 4/10	1. Medication Reconciliation 2. Therapeutic Interchanges	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
13	Fall 11/18 – 11/22 Spring 4/13 – 4/17	1. Joint Commission 2. Diversion Prevention	Preceptors	1, 2, 3, 4, 5	\$15.19 \$20.01
14	Fall (11/25 - 11/29: Thanksgiving) 12/2 – 12/6 Spring 4/20 – 4/24	<i>FALL: No weekly rotation 11/25– 11/29 (Thanksgiving); but students may complete part or all of the additional 16 hours during the week of Thanksgiving according to the preceptor's availability and preference.</i> 1. Final Portfolio Presentation (Email your MyCred Link to your preceptor by Monday of Week 14 – at 2pm.) 2. Useful Resources <u>Portfolio Due by 8am, Monday of week 14 (Fall: 12/2/19; Spring 4/20/20)</u> <u>Final Evaluations: Due Saturday after week 14, 9pm</u> <i>Preceptor's Evaluation of Student: Basic Skills, Professionalism, and Portfolio</i> <i>Student's Self-Evaluation of Basic Skills and Professionalism</i> <i>Student's Evaluation of the Site and Preceptor</i>	Preceptors Prof. Ingram	1, 2, 3, 4, 5	\$15.19 \$20.01
FALL 2019 Final Exam Week 14 FRIDAY 12/6/19 8:00 – 9:50am WTB 136		<u>Drug Information:</u> Cumulative Final Exam: (100 Questions - Multiple Choice) <ul style="list-style-type: none"> 1-200 Rx and 1-100 OTC (Brand, Generic, Therapeutic Class and Group. Additional Drug Card Information on assigned Rx / OTC's: FALL PTX 1-2 (Highlighted drugs on the 2019-2020 Rx/OTC list) The final course grade for each IPPE course will first be determined by the Final Exam Grade. If the final exam grade is < 70%, the student FAILS the IPPE Course. (no other grades in the course will be applicable) If the final exam grade is ≥ 70%, the course grade will then be determined by the Standard Grade Calculation for the IPPE Course.	Prof. Ingram	6	\$20.01

Please note that dates, topics, and assignments are subject to change. In the event of a change, you will be given ample notification of the change.