

PHA5759 Advanced Pharmacy Practice Experience Readiness

Spring 2024

1 Credit Hour – [Satisfactory-Unsatisfactory Grading]

This course offers students with a capstone experience that provides a transition from the first three years of the curriculum to the fourth year of Advanced Pharmacy Practice Experiences (APPE). The capstone experience provides learning activities and assessments that simulate student responsibilities during an APPE.

Teaching Partnership Leader

Lisa Vandervoort, Pharm.D.

- Email: lvandervoort@cop.ufl.edu
- Office: Lake Nona Campus
- Phone: 407-313-7013

Office Hours: Please see the Canvas course site for posted office hours

See Appendix A. for Course Directory of Faculty and Staff Contact Information.

Entrustable Professional Activities

This course will prepare you to perform the following activities which the public entrusts a Pharmacist to perform:

1. Collect information to identify a patient's medication-related problems and health-related needs.
2. Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs.
3. Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective
4. Implement a care plan in collaboration with the patient, caregivers, and other health professionals.
5. Follow-up and monitor a care plan.
6. Collaborate as a member of an interprofessional team.
7. Identify patients at risk for prevalent diseases in a population.
8. Minimize adverse drug events and medication errors.
9. Maximize the appropriate use of medications in a population.
10. Ensure that patients have been immunized against vaccine-preventable diseases.
11. Educate patients and professional colleagues regarding the appropriate use of medications.
12. Use evidence-based information to advance patient care.

13. Fulfill a medication order.

Course-Level Objectives

Upon completion of this course, the student will be able to:

1. Demonstrate time-management skills necessary to balance multiple practice-related responsibilities with attention to patient care priorities.
2. Perform simulations related to practice tasks that are student expectations during APPES and are related to the entrustable professional activities and the Pharmacists' Patient Care Process. Specifically:
 - a. Collect information to identify a patient's medication-related problems and health-related needs.
 - b. Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs.
 - c. Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective
 - d. Implement a care plan in collaboration with the patient, caregivers, and other health professionals.
 - e. Follow-up and monitor a care plan.
 - f. Collaborate as a member of an interprofessional team.
 - g. Minimize adverse drug events and medication errors.
Maximize the appropriate use of medications in a population.
 - h. Educate patients and professional colleagues regarding the appropriate use of medications.
 - i. Use evidence-based information to advance patient care.
 - j. Fulfill a medication order.
3. Demonstrate professional demeanor including communication skills during all activities that occur during the course.
4. Demonstrate self-awareness of abilities in the practice-setting and in accomplishing continuous professional development.

Course Pre-requisites

1. Completion of all coursework in Blocks 1-16 of the Pharm.D. curriculum.

Course Co-requisites

1. None.

Course Outline

See Appendix B. Please routinely check your campus calendar and the Canvas course site for any messages about changes in the schedule including meeting dates/times, deadlines, and room changes.

Required Textbooks/Readings

Each student will develop a set of electronic and paper-based resources to personally use when accomplishing the week of activity. These resources must fit within the student's lab coat pocket.

The student may also use their personal laptop to access online resources such as the following:

- AccessPharmacy, McGraw-Hill Professional, New York, NY (This resource is available through the UF Health Science Center Library.) <http://accesspharmacy.mhmedical.com/book.aspx?bookid=1593> - The following resources will be frequently used:
 - Nemire R, Kier K, Assa-Eley MT. Pharmacy Student Survival Guide. 4th Edition, 2023. McGraw-Hill, ISBN 978-1-264-27856-5. (Available in Access Pharmacy)
 - Brunton L. Goodman and Gilman's The Pharmacological Basis of Therapeutics, McGraw-Hill Professional, New York, NY, 14th Edition, 2023. ISBN 978-1-264-25807-9. (Available in Access Pharmacy)
 - Dipiro, J, Talbert R, Yee G, Matzke G, Wells B, Posey L. Pharmacotherapy – A pathophysiologic approach. McGraw-Hill Professional, New York, NY, 12th Edition, 2023. ISBN 978-1-264-26454-4. (Available in Access Pharmacy)
 - Other available resources include: Multiple textbooks, Calculators, Pharmacotherapy Casebook and Care Plans, Cases, Self-Assessments and Multimedia Videos
- Krinsky DL, Ferreri SP, Hemstreet B, et al. Handbook of nonprescription drugs: An interactive approach to self-care. 18th ed. Washington, D.C.: American Pharmacists Association; 2015.

Use [UF VPN to access UF Libraries Resources](#) when off-campus.

The UF HSC library staff can assist you with questions or issues related to accessing online library materials. For assistance contact your College of Pharmacy librarian or visit the [HSC Library Website](#) at this URL: <http://www.library.health.ufl.edu/>

Suggested Textbooks/Readings

The student is also expected to retrieve primary literature references as needed to address patient care needs. These may be accessed through the UF Health Sciences Center Library.

Other Required Learning Resources

None

Materials & Supplies Fees

None

Student Evaluation & Grading

This course is graded using a Satisfactory-Unsatisfactory grading scheme. Requirements for a grade of Satisfactory are listed below. APPE Ready is defined as the student completing the skill with some direction from the facilitator. That is, a student will be deemed APPE Ready if the student has successfully demonstrated a level of knowledge, skills, and abilities sufficient to perform usual professional activities under direct supervision by a pharmacist/preceptor. A student identified as not APPE ready will be referred to remediation for that specific skill. Remediation is described below.

The faculty will use rubrics posted in Canvas to assess performance.

Professional behavior is an important part of being APPE Ready. Attendance is mandatory. **If a student needs to miss time during the week, they must email the course coordinator in addition to following the College of Pharmacy absence procedure.** The communication must be in the form of a request. In APPE Readiness the student is expected to dress professionally, following the guidelines in the APPE manual. All communication should be respectful. During zoom sessions students should have the camera on and be dressed professionally. The student is expected to participate throughout the entire session, not just during their presentation. All assignments must be submitted on time.

Assessment Item	Rubric	Criteria for Satisfactory
Pharmacists' Patient Care Process – 20%		
Rounding*	See Canvas	Assessed as Ready by Facilitator
Verbal Recommendation Diabetes Clinic Patient*	See Canvas	Assessed as Ready by Facilitator
Verbal Recommendation Warfarin Clinic Patient*	See Canvas	Assessed as Ready by Facilitator
Self-Care Patient Recommendation*	See Canvas	Assessed as Ready by Facilitator
Communication – 15%		
Vancomycin SOAP Note for Initial Dose*	See Canvas	Assessed as Ready by Facilitator
Diabetes patient SOAP Note*	See Canvas	Assessed as Ready by Facilitator
Warfarin patient interview*	See Canvas	Assessed as Ready by Facilitator
Managing Microaggressions	MCQ	80% or above
Application of Knowledge* - 20%		80% or above combined average on activities listed below
Antimicrobial Stewardship Cases	MCQ	Combined average
Transitions in Care Case	MCQ	Combined average
Inpatient Verification	MCQ	Combined average
Anticoagulation case	MCQ	Combined average
MTM Cases	MCQ	Combined average
Drug Interaction Cases	MCQ	Combined average
Self-Care/Vaccine Cases	MCQ	Combined average
Oncology Case	MCQ	Combined average
Utilize evidence to advance patient care – 15%		
Drug Information Question*	See Canvas	S requires a total of at least 40/50
Journal Club	See Canvas	Assessed as Ready by Facilitator
In-Service Presentation*	See Canvas	Assessed as Ready by Facilitator

Calculations* - 15%		80% or above combined average on activities listed below
Community Cases	MCQ	Combined average
Vancomycin Case	MCQ	Combined average
IV Room Cases	MCQ	Combined average
Vancomycin Case Follow Up	MCQ	Combined average
Heparin Protocol	MCQ	Combined average
Aminoglycoside Protocol	MCQ	Combined average
Pain Cases	MCQ	Combined average
Professionalism^ - 15%		80/100 points
Attendance		5 points for each infraction
Verbal Communication		5 points for each infraction
Written Communication		5 points for each infraction
On-time Submissions of Activities without communication with course coordinator		5 points for each infraction
Completion of Peer Evaluations		5 points for each submission
On-time Submission of Self-Care Questionnaire		5 points infraction if not completed
On-time of Submission of Personal Plan for Improvement without communication with course coordinator		10 points if not completed and submitted

^Professionalism- Each student will start with 100 points and for each lapse, the number of points next to each item will be subtracted from the total.

*Assessed by Faculty using the definition of APPE Ready for the activity which is provided in the associated rubric.

Rounding of grades:

Final grades in Canvas will be rounded to the 2nd decimal place. If the decimal is X.495 or higher, Canvas will round the grade to X.50. The above scale depicts this policy and grades are determined accordingly. Grade assignment is made using this policy and NO EXCEPTIONS will be made in situations where a student's grade is "close."

Remediation:

Remediation will be as follows:

Verbal Recommendations or Rounding	Perform the skill again after receiving feedback with Course Coordinator or designee
Communication	Perform the skill again after receiving feedback from Course Coordinator or designee
Application of Knowledge Canvas assessments	Retake or submit a plan to review
Drug Information	Retake with a different question
Pharmacy Practice Canvas assessments	Retake or submit a plan to review
Professionalism	Meet with practicing pharmacy manager to discuss effects of unprofessional actions on patient care, pharmacy team and health care team.

Educational Technology Use

The following technology below will be used during the course and the student must have the appropriate technology and software.

1. ExamSoft™ Testing Platform
2. Canvas™ Learning Management System
3. EHRGo™ Academic Electronic Health Record

For technical support, navigate to [Educational Technology and IT Support Contact Information](http://curriculum.pharmacy.ufl.edu/current-students/technical-help/) at this URL:
<http://curriculum.pharmacy.ufl.edu/current-students/technical-help/>

Artificial Intelligence Use

The use of artificial intelligence (AI) text generators such as ChatGPT on assignments, projects, quizzes, and exams is prohibited in this course. Use of AI text generators is considered evidence of academic dishonesty. If a student is uncertain about the use of AI technology, it is the student's responsibility to ask the instructor prior to beginning the assignment or assessment.

Pharm.D. Course Policies

The Policies in the following link apply to this course. Review the [Pharm.D. Course Policies](http://curriculum.pharmacy.ufl.edu/current-students/course-policies/) carefully, at this URL:
<http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>

Attendance Policy

Attendance is mandatory for all sessions in the course. Just like on APPEs, if a student needs to miss a session, they must ask permission and have it approved ahead of time by the “preceptor.” To request to miss a session, the student must email the course coordinator and submit an absence ticket. Students who miss any required element will be required to make up the element(s) on the designated APPE Readiness make-up date. Students who miss two or more days of APPE Readiness will receive an incomplete in the course and will retake the course during the next offering, resulting in delayed graduation.

Makeup Assignments

Makeup assignments will be required for excused absences. Students must complete the makeup assignment within one week of the course's completion.

Late Assignments

All assignments should be submitted, even if past due date and time. Deductions within professionalism grade will occur if the student does not communicate with the course coordinator prior to submission of late assignments.

Accessibility and Belonging Statement

The University of Florida College of Pharmacy strives to stimulate a culture that promotes diversity and inclusion within an exceptional community of students, faculty, and staff. It is our intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength, and benefit.

We intend to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let us know ways to improve the course's effectiveness for you personally or for other students or student groups.

If any of our class meetings conflict with any of your religious events, an excused absence will be provided when requested using the standard UF COP process as detailed in the [UF COP Course policies](#).

If you feel that you have experienced or witnessed any bias/treatment that falls short of these expectations, you may submit a report through the UF [COP Student Mistreatment Report](#).

Course Evaluation Process

Students are expected to provide professional and respectful feedback on an end-of-course survey sent to them at the end of assigned activities.

Appendix A. Course Directory

Teaching Partnership Leader/Course Director:

Lisa Vandervoort, Pharm.D.

Email: lvandervoort@cop.ufl.edu

Office: Lake Nona Campus

Phone: 407 313 7013

Office Hours: By appointment ONLY.

Questions to Ask:

- Concerns about performance
- Guidance when there are performance problems (failing grades)
- General questions about content

Other Teaching Partnership Faculty Members:

Gainesville Campus Coordinator:

Katherine Vogel Anderson, Pharm.D.

Office Hours: Available via zoom throughout the week

kvanderson@cop.ufl.edu

Jacksonville Campus Coordinator:

Chardae Whitner, Pharm.D.

Office Hours: Available via zoom throughout the week

Whitnerc@cop.ufl.edu

Kaitlin Alexander, Pharm.D.

Kaitlin.alexander@cop.ufl.edu

John Allen, Pharm.D., BCPS, BCCCP, FCCM, FCCP

John.allen@cop.ufl.edu

Shawn Anderson, Pharm.D.

Sda2@ufl.edu

Anthony M. Casapao, Pharm.D., M.P.H.

Casapao@cop.ufl.edu

Larisa Cavallari, Pharm.D., BCPS, FCCP

lcavallari@cop.ufl.edu

Teresa Cavanaugh, Pharm.D., BCPS

TCavanaugh@cop.ufl.edu

Lindsey Childs-Kean, Pharm.D., MPH, BCPS

LChild-Kean@cop.ufl.edu

Emily Cicali, PharmD

Emily.cicali@cop.ufl.edu

Kelsey Cook, Pharm.D., BCPS

Kelsey.cook@ufl.edu

Stacey Curtis, PharmD

scurtis@cop.ufl.edu

David DeRemer, Pharm.D., BCOP, FCCP, FHOPA

DDeRemer@cop.ufl.edu

Eric Dietrich, Pharm.D.

dietrich@cop.ufl.edu

Randell Doty, Pharm.D.

doty@cop.ufl.edu

Eric Egelund, Ph.D., Pharm.D.

EEgelund@cop.ufl.edu

Michelle Farland, PharmD, BCPS, CDE

mfarland@cop.ufl.edu

Carinda J. Feild, Pharm.D.

CFeild@cop.ufl.edu

Bradley Hall, Pharm.D.

Bhall106@ufl.edu

Jessica Huston, PharmD.

jessicahuston@cop.ufl.edu

Adonice Khoury, Pharm.D., BCPS

AKhoury@cop.ufl.edu

Tracy Leonard, P.Ph, BCPP, BCACP, CDCES, CPh
Tracy.leonard@cop.ufl.edu

Kalen Manasco, PharmD, BCPS, FCCP, FPPAG
kmanasco@cop.ufl.edu

Nicole Maranchick, Pharm.D.
n.maranchick@ufl.edu

Caitrin McDonough, Ph.D., MS
cmcdonough@cop.ufl.edu

Cary Mobley, RPh, Ph.D.
mobley@cop.ufl.edu

Robin Moorman Li, Pharm.D., BCACP, CPE
moorman@cop.ufl.edu

Carol Motycka, Pharm.D., BCACP
motycka@cop.ufl.edu

Madeline Norris, Pharm.D.
Norris.m@ufl.edu

Bradley Phillips, Pharm.D.
bradnp@cop.ufl.edu

Jason Powell, PharmD
JPdrums@ufl.edu

Teresa Roane, Pharm.D., MBA, BCACP
troane@cop.ufl.edu

Casey Rowe, Pharm.D.
Casey.rowe@cop.ufl.edu

Barbara Santevecchi, PharmD, BCPS, BCIDP
bsantevecchi@cop.ufl.edu

Janet Schmittgen, Pharm.D.
JSchmittgen@cop.ufl.edu

Nathan Seligson, Pharm.D.

Nseligson@cop.ufl.edu

Bethany Shoulders, Pharm.D., BCCCP

BRShoulders@cop.ufl.edu

Janel Soucie, Pharm.D

JSoucie@cop.ufl.edu

Erin St Onge, Pharm.D.

stonge@cop.ufl.edu

James Taylor, Pharm.D., CDE, BCACP

JTaylor@cop.ufl.edu

Angelina Vascimini, Pharm.D. BCACP

Avascimini@cop.ufl.edu

Veena Venugopalan, Pharm.D., BCPS

VVenugopalan@cop.ufl.edu

Karen Whalen, Pharm.D., BCPS, CDE

whalen@cop.ufl.edu

Lihui Yuan, Pharm.D. Ph.D.

Yuanlh@cop.ufl.edu

Instructional Designers:

Chris Egan, M.Ed., NRP, CHSE

- Email: cegan@ufl.edu
- Phone: 352-294-5636

Academic Coordinator Gainesville Campus:

Ashleigh Langford

- Email: lynn8597@cop.ufl.edu
- Phone: 352-273-6284
- Office: HPNP 4309

Educational Coordinators

Chanita Beaufort or Katie Orben

- Email: cbeaufort@ufl.edu or korben06@ufl.edu
- Office: Jacksonville Campus
- Phone: 904-244-9590

Jessica Linares or Dante Maldonado

- Email: jnoriegalinares@ufl.edu or maldonaldod1@ufl.edu
- Office: Orlando Campus
- Phone: 407-313-4087

Questions to Ask:

- Issues related to course policies (absences, make up exams, missed attendance)
- Absence/tardy requests (Only the Academic Coordinator handles absence requests)
- Questions about dates, deadlines, meeting place
- Availability of handouts and other course materials
- Assignment directions
- Questions about grade entries in gradebook (missing grades, incorrect grade)
- Assistance with ExamSoft® (Distance campus students may contact the Educational Coordinator for use of Exemplify and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.)

Appendix B: Course Outline

Students are expected to be available to complete assigned activities throughout the entire day outside of the scheduled activities with faculty. Student are asked to set up Canvas to send “push alerts” to their email and if desired phone, so they can be alerted to the activities in a timely manner. The activity's instructions, due time and how to submit will be described in the alert.

This experience requires presence on your campus between 7:30am-6:00pm Monday, Tuesday, and Thursday depending on calendar specific to each student. Students will also need to be available via Zoom and to complete activities between 8:30am – 4:30pm Wednesday and Friday. (See scheduling in Canvas)

Similar to an APPE activity, the team/care provider will contact you at unscheduled times and request a consult/assistance. During the week, you will receive a Canvas communication to provide the following consults/assistance at ***times that are not listed in the schedule below***. ***Please watch your emails closely since their consults/activities are time sensitive and you must be prepared to address the consult/assistance when it is requested***. The communication will also indicate when the consults/activities are due.

Performance will be evaluated using rubrics available on **Canvas** and **Multiple Choice Questions**.

Below are examples of the consults/activities that will occur during the week. These will be graded using rubrics on **Canvas** and via **Multiple Choice Questions**:

1. Pharmacokinetics consult (initial recommendations via MCQ and graded SOAP note and follow up; graded with a rubric)
2. Provide recommendations using protocols
3. Drug information question (graded with a rubric)
4. Address issues that arise with simulated patients across the week
5. Transitions in Care (graded via Canvas)
6. Review orders and approve dispensing of products.

Date/Time	Activity	Assessment	Learning Objective	EPA
Monday, February 26th 8:30am – 10:30am (Synchronous Session – Active Learning Room on your campus)	Orientation and overview of the week (all campuses will be synchronously connected or recorded video)	1. Course requirement (self-awareness)	4	N/A
Monday, February 26th 10:30 am	You will receive a reminder for your topic and readings for the Journal Club on Wednesday.	Not graded but you will be evaluated on Wednesday.	2K	11

Date/Time	Activity	Assessment	Learning Objective	EPA
Monday, February 26th 10:30 am	You will receive your topic for the in-service presentation. You will provide a one-page handout and present the in-service to your group and facilitator on Friday according to the schedule posted in Canvas.	Not graded but you will be evaluated during your presentation on Friday.		
Monday, February 26th	Review Managing Microaggressions	Required to receive an 80% on the assessment in Canvas	2a,2d,2e	2,4,5
Monday February 26th 10:30-4:30 You will receive alerts from Clinical Pharmacy Service (Canvas) during the day that need to be addressed by a given deadline	Monitor the Clinical Pharmacy Service Notifications and complete the activities by the deadline provided.	Assessment of the requested consultation activity.	2e,2h	5,8
Monday February 26th 11:00	You will be assigned a patient to present and provide a therapeutic plan during rounds on Tuesday to a pharmacist preceptor. During rounds you will also be expected to explain your rationale for your plan and answer other questions typical of rounds.	Not graded but you will be evaluated during Tuesday rounds.	2a,2b,2c	1,2,3
Tuesday February 27th 8:30-4:30 You will receive alerts from Clinical Pharmacy Service (Canvas) during the day that need to be addressed by a given deadline	Monitor the Clinical Pharmacy Service Notifications and complete the activities by the deadline provided.	Assessment of the requested consultation activity.	2e,2h	5,8
Tuesday February 27th 1 hour prior to assigned round time	Each student will receive updated information about the patient assigned on Tuesday and need to prepare for rounds.	Not graded but you will be graded during rounds	2a,2b,2c	1,2,3
Tuesday February 27th	Participate in a rounding experience with an	Attending pharmacist/faculty	2c,2d	4,5

Date/Time	Activity	Assessment	Learning Objective	EPA
Students are assigned one rounding session. See schedule on Canvas 8:30-10:30 11:00-1:00 1:00-3:00 1:30-3:30 3:00-5:00	attending pharmacist/faculty member and group members	member will utilize a rubric to evaluate your recommendations for the patient, rationale, and communication skills during the rounding experience Appendix C.		
Wednesday, February 28th 8:30am-4:30pm You will receive alerts from Clinical Pharmacy Service (Canvas) during the day that need to be addressed by a given deadline	Monitor the Clinical Pharmacy Service Notifications and complete the activities by the deadline provided. Attendance on Campus NOT required	Assessment of the requested consultation activity.	2e,2h	5,8
Wednesday, February 28th Students are assigned one journal club session via zoom. See schedule on Canvas 8:30-10:00 10:30-12:00 12:30-2:00	Journal club presentation via zoom	Journal club will be evaluated by the facilitator using a rubric Appendix E		
Thursday, February 29th You will receive alerts from Clinical Pharmacy Service (Canvas) during the day that need to be addressed by a given deadline	Monitor the Clinical Pharmacy Service Notifications and complete the activities by the deadline provided.	Assessment of the requested consultation activity.	2a,2d,2e	2,4,5
Thursday February 29th One hour prior to assigned clinic time	Review clinic patients		2a,2d,2e	2,4,5
Thursday February 29th 8:30-6:00 Student attends clinic for 2-3 hours at assigned time. See Canvas for schedule	Attend ambulatory care clinic and complete assigned duties.	Assessment of the requested activity using rubric	2a thru 2e	1,2,3,4,5

Date/Time	Activity	Assessment	Learning Objective	EPA
Thursday February 29th One hour after assigned clinic time	Complete any patient care note documentation from clinic	Patient care note will be graded using rubric	2d	4
Friday March 1st Students are assigned one session to present their in-service. See schedule on Canvas 8:30-10:00 10:30-12:00 12:30-2:00	In-service presentation via zoom	In-service will be evaluated by the facilitator using a rubric	2k	11
Friday, March 1st Complete by 4:30	Complete the Peer reviews and self-awareness assessment and evaluate the course.	Submission Missed assignments will be assessed under professionalism	4	
Friday March 23rd	Complete Personal Plan of Improvement	Submission Missed assignments will be assessed under professionalism	4	