PHA5162L: Professional Practice Skills Laboratory II

Spring 2024

1 Credit Hour – [A-E Grading]

This course introduces foundational patient care skills and essential tasks that a pharmacist is expected to perform in daily practice. You will be asked to integrate knowledge, skills and attitudes while practicing foundational skills including interviewing a patient who seeks self- care, researching and answering drug information questions, assisting patients and caregivers in addressing insurance/prescription coverage, dispensing medications in a community setting, and displaying professionalism. These basic skills provide a foundation for provision of patient care/pharmacy practice during years 2 through 4. The patient care skills and tasks taught in this course will prepare you to enter community practice settings during your first Introductory Pharmacy Practice Experience

Teaching Partnership Leaders

Angelina Vascimini, Pharm.D., BCACP
- Email: avascimini@ufl.edu
- Office: HPNP 3306
- Phone: 352-273-6224

Office Hours: see canvas course for Zoom office hours.

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

Entrustable Professional Activities (EPAs)

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

Patient Care Provider Domain
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.

Population Health Promoter Domain
7. Identify patients at risk for prevalent diseases in a population.
9. Maximize the appropriate use of medications in a population.

Practice Manager Domain
14. Fulfill a medication order.

Course-Level Objectives

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

1. Given a patient case, select appropriate vaccines using an immunization schedule from the Advisory Committee on Immunization Practices (ACIP), and identify appropriate timing, doses, and routes of administration.

2. Perform a patient screening for vaccination eligibility and identify valid contraindications for vaccinations.

3. Demonstrate appropriate technique for giving a subcutaneous and intramuscular vaccination. Compound non-parenteral products using appropriate calculations, pharmaceutical components, and techniques. Specific non-parental products you will prepare in this course include: powders, capsules, oral liquids, and suppositories.

4. Communicate medication errors to other health-care team members using structured communication techniques (e.g., SBAR – situation, background, assessment, recommendation).

5. Identify common medication errors and potential medication errors in the community setting.

6. Report concerns about medication safety through an appropriate process in a simulated community setting.

7. Recommend and counsel on herbal supplements.

8. Collect basic subjective and objective evidence from a patient who seeks self-care, by interviewing the patient using an organized structure and specific questioning technique (e.g. SCHOLAR-MAC) to assist patients with their over the counter first aid and skin care needs.

9. Demonstrate the ability to perform a point of care test (e.g., diabetes).

10. Compare and contrast over-the-counter devices for patient self-testing and provide counseling to a patient on appropriate use of such devices.

11. Collect basic subjective and objective evidence from a patient who seeks self-care, by interviewing the patient using an organized structure and specific questioning technique (e.g. SCHOLAR-MAC) to assist patients with their over-the-counter needs.

12. Utilize drug information resources and tools within the community pharmacy setting to formulate a response to a drug information question posed from a patient/caregiver or health care professional.

13. Interpret patient data gathered during a self-care consultation and identify actual or potential drug- related problems.

14. Provide counseling to a patient or caregiver seeking self-care including any need for referral.

Course Pre-requisites

1. PHA5161L Professional Practice Skills Lab I

Course Co-requisites
1. PHA 5561 Pathophysiology & Patient Assessment II
2. PHA 5515 Principles of Medicinal Chemistry and Pharmacology II
3. PHA 5132 Principles of Drug Therapy Individualization I
4. PHA 5781 Patient Care 1
5. PHA 5244 Principles of Evidence-Based Practice
6. PHA 5703 Principles of Law & Ethics

Course Outline
See Appendix. 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.

For locations and times of lab sessions, view Appendix B Lab Location & Sessions.

This course is offered in a blended learning format that utilizes a weekly module-based design that combines   pre-laboratory online learning with face-to-face laboratory instruction and performance-based assessment. The   student should expect 1 to 2 hours of pre-laboratory preparation and 2 hours of laboratory contact time per   week.

Required Textbooks/Readings
None

Suggested Textbooks/Readings
Suggested readings will be posted on Canvas.

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/

Other Required Learning Resources
1. APhA Immunization Certification course & materials (cost $145)
2. Top 300 Drugs Flashcards: The flashcards are available for free through Access Pharmacy: https://accesspharmacy.mhmedical.com/qa.aspxgroupid=955
3. Electronic Device with Webcam: Students are also required to bring their laptops or tablet devices with webcam capabilities to each class session in order to take pre-lab quizzes via Canvas and record simulated patient interactions for upload and later review.

Materials & Supplies Fees

$24.19

Student Evaluation & Grading

Evaluation Methods and How Grades are calculated.

[The Canvas© gradebook will be set-up using the percentages below to compute the grade.]

Assessment Item	Description	Grade Percentage
Weekly Pre-Lab Quizzes	Weekly Pre-Lab Quizzes will be completed at the start of the lab session each week. Quizzes will consist of 10 multiple-choice, true-false, or case- based questions and will cover a combination pre-lab study material and content for that week's module. The quizzes may also include additional questions based on medications from the Top 200 Drug List. (n=9)	20%
Weekly Performance Assessments and Assignments	For each module, in-lab activities will consist of specific performance assessments related to the content of the prior module. Objectives for this course will primarily be assessed by weekly performance assessments. Performance assessments will include tasks and skills required of a pharmacist including collecting and interpreting subjective and objective patient information through patient interview, measuring vital signs, conducting health screenings, and compounding of non-sterile preparations. Weekly performance assessments will be evaluated using grading rubrics or checklists specific to that task or activity. Assessments may be evaluated individually or in teams. Rubric/checklist criteria and expectations for the in-lab assessments will be posted for each module prior to the start of lab. (n=13, none in Module 1 but two in Module 6)	25%
OSCE	Objective Structured Clinical Exams (OSCEs) consist of several stations/encounters in which	30%

Assessment Item	Description	Grade Percentage
	a student must interact with a patient or solve a clinical problem.	
Top 200 Drugs Exam	This exam will consist of 75 multiple choice questions taken from the Top 200 Drugs. The final exam will consist of 25 questions from the fall list and 50 questions from the spring list. A Spreadsheet of the drugs will be provided. Eligible content includes brand name, generic name, therapeutic classification, and indication. Students are required to achieve a score of 80% or better on the Top 200 Final Exam. Those who do not achieve this score will retake the exam (maximum of two retakes permitted). This grade is also tracked within the Milestones course. Please see that course syllabus for minimum performance requirements and how the results are used as milestone assessments. The score earned on the first attempt will be the score which will be used for determining the course grade. Students who fail to obtain a passing score after three attempts will fail the course. Failing to pass this course may result in a student's progression through the curriculum being delayed. This is a self-taught portion of the course and students are responsible for preparing themselves for the exam. A list of the drugs that will appear on the examination will be released at the beginning of the course. In the event of a REAL EMERGENCY (illness, sudden death in the family), a make-up examination may be provided and is at the discretion of the teaching partnership leader.	20%
APhA Immunization Certification Course	The APhA Immunization Course is made up of multiple components: 12 hours home study, 8 hour live education, physical assessment, and final examination.	5%
Total		100%

Table 1.1 Evaluation and Grading Above

Table 1.2 grading scale

Percentage	Letter Grade
92.50-100%	A
89.50-92.49%	A-
86.50-89.49%	B+
82.50-86.49%	B
79.50-82.49%	B-
76.50-79.49%	C+
72.50-76.49%	C
69.50-72.49%	C-
66.50-69.49%	D+
62.50-66.49%	D
59.50-62.49%	D-
< 59.50%	E

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."

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

For technical support, navigate to Educational Technology and IT Support Contact Information 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 General Pharm.D. Course Policies carefully, at this URL: http://curriculum.pharmacy.ufl.edu/current-students/course-policies/

Attendance Policy

Attendance is mandatory for active learning sessions such as team-based learning sessions, case discussions, laboratory sessions, and other activities that the instructor designates as required. This course has 15 required sessions. A student who misses greater than 2 laboratory sessions without making up the material will receive an incomplete in the course and will retake the course during the next offering, resulting in delayed graduation.

Course Specific Policies

The Policies in the following link apply to Skills Lab courses. Review the Skills Lab Policies carefully at this Quizzes will cover material discussed in the pre-lab videos and/or readings. URL: https://curriculum.pharmacy.ufl.edu/current-students/course-policies/skills-lab-policies/

Late Assignment Policy
- 0-24 hours late: 25% reduction of the earned score (max score possible: 75%)
- 24-48 hours late: 50% reduction of the earned score (max score possible: 50%)
- 48 hours late: Assignment will be assigned a score of 0
- If late, you will still receive reductions as listed above.

Makeup Assignments
Makeup performance assessments will be required for excused absences from all Skills Lab Sessions. Students should follow up with their Skills Lab faculty to schedule the make-up assignment(s). In addition, for excused absences students will be responsible for working with their teammates/classmates to review missed material. If you would like to review material in more detail, please attend office hours or reach to set up a time with your campus coordinator.

Weekly Pre-Lab Quizzes
Quizzes will consist of multiple choice, true/false, or case-based questions. Additionally, each quiz may contain questions in relation to the list of Top 200 drugs and SIG Codes for the semester. Weekly pre-lab quizzes will be completed at the start of each lab session**. If you are tardy for lab, you will not be allowed to take the pre-lab quiz and will receive a zero. If you have an excused absence from lab, you will be excused from taking the quiz (EX in the gradebook). No make-up quizzes will be offered.**

Quiz questions/answers for pre-lab quizzes in skills labs will not be released to students. This is consistent with the patient care courses. Faculty may choose to clarify difficult questions, and students are encouraged to talk to the faculty if they have questions about what they missed on a specific prelab quiz.

Weekly Assessments
Assessments will take place either the week of or the week following the lab activity and consist of individual and team format. Assessments will be completed during the lab session. After each assessment, students will receive individual feedback for improvement. Additional opportunities for students to practice skills learned in the lab are available upon request.

Course Information
The course format and session time is subject to change at any time based on unforeseen circumstances that may arise during the semester including but not limited to inclement weather or a global pandemic. Such changes will be announced using the "announcements" function in canvas. If this should occur, the announcement will state "PLEASE READ – URGENT MESSAGE – SCHEDULE CHANGE" in the subject line to alert students that a change has been made.

Milestone Descriptions

Top 200 Drugs Milestone
The top 200 drug milestone is an examination tracked in the Milestones course. The examination will include information about the most frequently prescribed medications. For more information about the content and structure of this examination and how it will contribute to your grade in the Professional Practice Skills Lab course, please refer to the syllabus for that course. The score of this examination is also considered a milestone. The minimum passing score for successful completion of this milestone is 80% for the all professional years of the curriculum.

APhA Immunization Certificate
The APhA Immunization Certificate program is required for all students in the first professional year of this program. The program is designed by the American Pharmacists Association and delivered to all first professional year pharmacy students. The minimum performance standard to pass this milestone is to successfully complete all aspects of the program as deemed appropriate by APhA and complete all necessary submissions to earn the certificate. All students are required to submit the appropriate paperwork to the Florida Board of Pharmacy to be "Certified to Immunize". Once this last step is completed, students will receive full credit for this assignment. Failure to complete the last step by May 1st will result in the failure of the milestone and the student will receive zero credit for this assignment in canvas.

Objective Structured Clinical Examination (OSCE)
The OSCE will be a direct observation of your clinical skills that includes 12 stations (6 active and 6 passive). During this examination students will be required to interact with actors portraying patients/other healthcare providers known as Standardized Patients / Standardized Providers. Students will also be required to solve common problems encountered in clinical practice. This examination is administered as part of the Professional Practice Skills Lab course series. The raw score earned for this assessment will be applied to the course grade in the Professional Practice Skills Lab. Any student who does not meet the minimum passing score must review the failed materials and remediate the stations that the student did not pass. More information is available about OSCE remediation upon request.

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. We intend that students from all diverse backgrounds and perspectives be well served by this course/rotation, that students' learning needs be addressed both in and out of course/rotation, and that the diversity that students bring to this course/rotation be viewed as a resource, strength, and benefit.

We intend to present materials and activities 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/rotation effectiveness for you personally or for other students or student groups.

Regarding special consideration for any religious events, please review the standard UF COP process as detailed in the UF COP Course policies for classroom requests. For experiential requests, please review the Experiential Time and Attendance Policy.

If you feel that you have experienced or witnessed any bias/treatment that falls short of these expectations, you may submit a report through either the UF COP *Student Mistreatment Report* (for classroom concerns) or the *Experiential Confidential Form* (for rotation concerns).

Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

Appendix A. Course Directory

Teaching Partnership Leader/Course Director(s):

Angelina Vascimini, Pharm.D., BCACP
- Email: avascimini@ufl.edu
- Office: HPNP 3306
- Phone: 352-273-6224

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

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

Other Teaching Partnership Faculty Members:

Akash Alexander, Pharm.D.
- Email: alexander.aj@ufl.edu
- Office: ORL Campus
- Phone: 352-273-6086

Stacey Curtis, Pharm.D.
- Email: scurtis@cop.ufl.edu
- Office: GNV Campus
- Phone: 352-273-6232

Eric Egelund, Ph.D., Pharm.D.
- Email: eegelund@cop.ufl.edu
- Office: JAX Campus
- Phone: 904-244-9876

Cary Mobley, RPh, PhD
- Email: mobley@cop.ufl.edu
- Office: Gainesville Campus
- Phone: 352-273-6282

Instructional Designer:

Chris Egan, M.Ed., NRP, CHSE
- Email: cegan@ufl.edu
- Phone: 352-294-5636

Academic Coordinator Gainesville Campus:

Ashley Williams
- Email: acwilliams@ufl.edu
- Office: HPNP 4309
- Phone: 352-273-9951

Educational Coordinators

Katie Orben
- Email: 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 Examplify and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.

Appendix B. Lab Locations & Sessions

Gainesville:
Location: Pharmacy Skills Lab
Sessions
- Session 1: 8:00am-9:50am
- Session 2: 10:00am-11:50am
- Session 3: 1:00pm-2:50pm
- Session 4: 3:00pm-4:50pm

Jacksonville:
Location: COP Lab
Sessions
- Session 1: 8:00am-9:50am
- Session 2: 10:00am-11:50am

Orlando:
Location: Room 435
Sessions
- Session 1 (Group A): 8:00am-9:50am
- Session 2 (Group B): 10:00am-11:50am
- Session 3 (Group C): 1:00pm-2:50pm

Appendix C: Course Outline

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
01/08/24 at 8am - 5pm	0	Active Learning Session -- Zoom	Mandatory APhA Immunization Course -- via Zoom	8	Akash Alexander, Angelina Vascimini, Eric Free Egelund, Stacey Curtis
01/12/24 at 8am - 12pm		Other	APhA Immunization Skills Check Off		Akash Alexander, Angelina Vascimini, Eric Free Egelund, Stacey Curtis
01/05/24	1	Module	Module 1: Immunizations		Eric Free Egelund, Stacey Curtis
01/10/24	1	Lab	Skills Lab Session 1: APhA Immunization Certificate Training Program	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund, Stacey Curtis
			MLK DAY - No Lab		
01/17/24	2	Module	Module 2: Compounding and Quality of Mixing Powders		Cary Mobley
01/22/24	2	Lab	Skills Lab Session 2: Compounding and Quality of Mixing Powders	2	Akash Alexander, Angelina Vascimini, Cary Mobley, Eric Free Egelund
01/24/24	3	Module	Module 3: Nonsterile Compounding - Capsules		Cary Mobley
01/29/24	3	Lab	Skills Lab Session 3: Nonsterile Compounding - Capsules	2	Akash Alexander, Angelina Vascimini, Cary Mobley, Eric Free Egelund
01/31/24	4	Module	Module 4: Nonsterile Compounding - Oral Liquids		Cary Mobley
02/05/24	4	Lab	Skills Lab Session 4: Nonsterile Compounding - Oral Liquids	2	Akash Alexander, Angelina Vascimini, Cary Mobley, Eric Free Egelund
02/07/24	5	Module	Module 5: Nonsterile Compounding - Suppositories		Cary Mobley
02/12/24	5	Lab	Skills Lab Session 5: Nonsterile Compounding - Suppositories	2	Akash Alexander, Angelina Vascimini, Cary Mobley, Eric Free Egelund

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
02/14/24	6	Module	Module 6: Introduction to SBAR Communication		Stacey Curtis
02/19/24	6	Lab	Skills Lab Session 6: Introduction to SBAR Communication	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund, Stacey Curtis
02/26/24 - 03/01/24			***NO SKILLS LAB - APPE Readiness Week***		
02/21/24	7	Module	Module 7: Introduction to Medication Errors		Eric Free Egelund
03/04/24	7	Lab	Skills Lab Session 7: Introduction to Medication Errors	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund
03/11/24 - 03/15/24			**NO SKILLS LAB - Spring Break Week***		
03/06/24	8	Module	Module 8: Introduction to Diabetes		Angelina Vascimini
03/18/24	8	Lab	Skills Lab Session 8: Introduction to the Diabetic Patient	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund
03/20/24	9	Module	Module 9: Introduction to Herbals		Oliver Grundmann
03/25/24	9	Lab	Skills Lab Session 9: Introduction to Herbals ***via Zoom***	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund, Oliver Grundmann
03/27/24 at 8 - 11:30am		Lab	**OSCE Review - Open Lab**		Akash Alexander, Angelina Vascimini, Eric Free Egelund
04/01/24 - 04/05/24		Lab	OSCE's		Akash Alexander, Angelina Vascimini, Eric Free Egelund
03/27/24	10	Module	Module 10: Patient Assessment - Pain and Fever		Angelina Vascimini
04/08/24	10	Lab	Skills Lab Session 10: Patient Assessment - Pain and Fever	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund
04/10/24	11	Module	Module 11: Introduction to First Aid and Skin Care		Maryam Deravi
04/15/24	11	Lab	Skills Lab Session 11: Introduction to First Aid and Skin Care	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
04/17/24	12	Module	Module 12: Patient Assessment - Allergies, Cough and Cold		Gabby Perez
04/22/24	12	Lab	Skills Lab Session 12: Patient Assessment - Allergies, Cough, and Cold	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund
04/24/24	13	Module	Module 13: Patient Assessment - Gastrointestinal System		Akash Alexander
04/29/24	13	Lab	Skills Lab Session 13: Patient Assessment - Gastrointestinal System	2	Akash Alexander, Angelina Vascimini, Eric Free Egelund
05/01/24 at 1 - 5pm		Lab	Make-Up Lab Session		Akash Alexander, Angelina Vascimini, Eric Free Egelund
05/03/24 at 1 - 3pm		Exam	TOP 200	2	
			Contact Hours	**51.31**	