

PHA5166 Professional Practice Skills Laboratory VI

Spring 2024

1 Credit Hours – [A-E Grading]

This course continues the development of essential skills a pharmacist is expected to perform in practice. The skills emphasized during this course include gathering patient data, assessing the information to identify problems, developing an individualized care plan, implementing the care plan and monitoring and evaluating a patient. Additional skills include medication dispensing, enteral and parenteral nutrition, infusion pumps, and pharmacoepidemiology and drug safety. Patient care focus is for patients with neurological, psychiatric, and complex problems as well as geriatric and pediatric populations. The patient care skills and tasks taught in this course will prepare you to enter into community, ambulatory and hospital practice settings.

Teaching Partnership Leader

James Taylor, PharmD

- Email: jtaylor@cop.ufl.edu
- Office: HPNP 3314
- Phone: 352-273-6239

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. **EPA A1.** Collect information to identify a patient's medication-related problems and health-related needs.
2. **EPA A2.** Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs.
3. **EPA A3.** Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver, and other health professionals that is evidence-based and cost-effective.

4. **EPA A4.** Implement a care plan in collaboration with the patient, caregivers, and other health professionals.
5. **EPA A5.** Follow-up and monitor a care plan.
6. **EPA A6.** Collaborate as a member of an interprofessional team
7. **EPA A7.** Minimize adverse drug events and medication errors
8. **EPA A8.** Maximize the appropriate use of medications in a population
9. **EPA A9.** Educate patients and professional colleagues regarding the appropriate use of medications
10. **EPA A10.** Use evidence-based information to advance patient care

Course-Level Objectives

Within a simulated laboratory setting the student will be able to:

1. Assess need for enteral nutrition product and counsel patients on use.
2. Recommend appropriate medication administration methods in patient receiving enteral nutrition products
3. Deliver an educational presentation within given parameters
4. Collect and assess a medical and medication history from a patient, family member, or caregiver.
5. Present a succinct oral patient summary and therapeutic plan recommendations to another healthcare provider.
6. Document patient care recommendations and interventions
7. Defend a therapeutic plan verbally using guidelines and primary literature
8. Formulate a therapeutic plan, including nonpharmacological options, for assigned patients
9. Provide follow-up on treatment plans for assigned patients.
10. Provide medication choice and dose recommendations tailored to pediatric and geriatric populations.
11. Perform parenteral nutrition product calculations and understand order sets.
12. During all skills laboratory simulations and activities:
 - a. Demonstrate altruism, integrity, trustworthiness, flexibility, and respect in all interactions.
 - b. Display preparation, initiative, and accountability consistent with a commitment to excellence.
 - c. Deliver patient-centered care in a manner that is legal, ethical, and compassionate.
 - d. Recognize that one's professionalism is constantly evaluated by others.

Course Pre-requisites

1. Successful completion of all Year 1 and Year 2 Pharm.D. program coursework including milestones.

Course Co-requisites

1. PHA 5789C: Patient Care 7
2. PHA 5876C: Patient Care 8

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.

Required Textbooks/Readings

Suggested readings will be posted in 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/>

Suggested Textbooks/Readings

Suggested readings will be posted on Canvas.

Other Required Learning Resources

1. Calculators are required. Phone/laptop/mobile calculators are not permitted
2. Top 300 Drugs Flashcards
 - The flashcards are available for free through Access Pharmacy: <http://accesspharmacy.mhmedical.com/qa.aspx#tab5>
3. EHR Go (formerly Neehr Perfect)
 - EHR Go is an educational EHR used throughout the PharmD curriculum. Students will be expected to purchase a subscription to this program.
 - Create your account.
 - Go to the website: <http://neehrperfect.com>
 - Select **Subscribe** in the upper right corner.
 - Enter the Pharmacy Student Program Key:
 - 3PD students are encouraged to purchase the 1-year Student Subscription.

Materials & Supplies Fees

The fee associated with this course is \$10.53

Student Evaluation & Grading

Evaluation Methods and How Grades are calculated. *Table 1.1 Evaluation and Grading*

Assessment Item	Grade Percentage
Weekly Pre-Lab Quizzes, n=12	15%
Weekly Performance Assessments, n=12 @ 4.16% each	50%
Top 200 Drug Exam	15%
OSCE Examination	20%
Total	100%

Weekly Pre-Lab Quizzes

Weekly pre-lab quizzes will be administered online through Canvas. Quizzes will consist of knowledge related to that week's module and covered during pre-lab preparatory activities (e.g., videos and readings). Top 200 drugs may be included on some quizzes and further information will be provided. Quizzes will consist of multiple choice, true/false, or case-based questions. Weekly pre-lab quizzes will be completed at the start of each lab session. Performance on quizzes is an individual effort and collaboration is not permitted.

- If you are tardy for lab, you will only be allocated the remaining quiz time to complete your quiz and not the full time.
- 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.

Top 200 Exam

This will consist of 75 multiple choice questions taken from the drug cards (25 of the questions will come from 2PD (Fall and Spring) and Fall 3PD drugs). The exam will be administered via ExamSoft. Eligible content includes the brand name(s), generic name, category/indication, FDA indications, mechanism of action, medications contraindicated in pregnancy, box warnings, common adverse reaction (>10%), and key patient counseling points. Students must obtain an 80% or better on this exam in order to pass the Milestones course. Those who do not achieve this score will retake the exam. 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 two attempts will meet with the course coordinator to discuss potential options, which may include a 3rd attempt. Failing to pass this course may result in a student's progression through the curriculum being delayed. A student's performance in other aspects of the course will help determine how the situation is addressed. 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. Note that up to 20% of the exam may consist of drugs from 2PD exams (cumulative content). Attendance at the Top 200 Drug Exam is mandatory. 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.

OSCE (Objective Structured Clinical Exam)

OSCEs are tracked in the Milestones course. The Year 3 OSCE will consist of 12 stations and will cover key skills learned throughout the Professional Practice Skills Lab Sequence. Knowledge, skills, and attitudes gained from other courses during the first 3 years will also be evaluated. The Year 3 OSCE is a milestone assessment and must be successfully passed in order to advance to APPEs in the curriculum. An overall performance average across stations will contribute to the course grade. *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. *Students who do not pass the OSCE* must meet with the course coordinator for remediation. The score earned on the first attempt will be the score which will be used for determining the course grade.

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](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 General [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 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 12 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.

Makeup Assignments

Makeup assignments may be required for excused absences from all Skills Lab Sessions. Skills lab faculty will contact students to schedule any required make-ups.

Late Assignments

- 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

Course Specific Policies

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

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:

Name: James Taylor, PharmD

Email: jtaylor@cop.ufl.edu

Office: HPNP 3314

Phone: 352-273-6239

Questions to Ask:

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

Other Teaching Partnership Faculty Members:

Janel Soucie, Pharm.D.

- Email: jsoucie@cop.ufl.edu
- Office: Orlando campus
- Phone: 407-313-7054

Kelsey Cook, Pharm.D., BCPS

- Email: kelsey.cook@ufl.edu
- Office: Jacksonville campus
- Phone: 904-244-9876

Chardae Whitner, PharmD

- Email: whitnerc@cop.ufl.edu
- Office: Jacksonville campus
- Phone: 904-244-9119

Bradley Phillips, PharmD

- Email: bradnp@cop.ufl.edu
- Office: Orlando campus
- Phone: 407-313-7118

Jason Powell, PharmD

- Email: jpowell@cop.ufl.edu
- Office: Gainesville campus

- Phone: 352-265-7015

Eric Dietrich, PharmD

- Email: dietrich@cop.ufl.edu
- Office: HPNP 2301
- Phone: 352-294-5648

Kay Manigaba, PharmD

- Email: manigk@cop.ufl.edu
- Office: Gainesville campus
- Phone: 352-273-8474

John Markowitz, Pharm.D., BCPP

- Email: jmarkowitz@cop.ufl.edu
- Office: HSC PG-23
- Phone: 352-273-6262

Lisa Vandervoort, PharmD

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- Office: Orlando campus
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Kalen Manasco, Pharm.D., BCPS, FPPAG

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- Office: HPNP 3310
- Phone: 352-294-8749

Emily Cicali, Pharm.D.

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- Phone: 352-273-7919

Bethany Shoulders, Pharm.D., BCPPS

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- Office: Gainesville campus
- Phone: 352-294-8780

Janet Schmittgen, Pharm.D. R.Ph

- Email: jschmittgen@cop.ufl.edu
- Office: Gainesville campus

- Phone: 352-273-9547

Jenna Seckar

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- Office:
- Phone: 352-258-2164

Veena Venugopalan

- Email: vvenugopalan@cop.ufl.edu
- Office: HPNP 2314A
- Phone: 352-265-0111

Katie Vogel Anderson

- Email: kvanderson@cop.ufl.edu
- Office: HPNP 3313
- Phone: 352-273-6240

Instructional Designer:

Chris Egan, M.Ed., NRP

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

Academic Coordinator Gainesville Campus:

Ashleigh Langford

- Office: HPNP 4309
- Phone: 352-273-6002

Absent/Tardy Email: absent3pd@cop.ufl.edu (Visit the course policy site for further instructions)

Education 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 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 Map

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
1/9/23, 1/10/24, 1/12/24			OSCES	4	Chardae Whitner, James Robert Taylor, Janel Soucie
01/12/24	1	Module	Module 1: Educational Presentations		James Robert Taylor
01/18/24	1	Lab	Session 1: Educational Presentations	2	Chardae Whitner, James Robert Taylor, Janel Soucie
01/19/24	2	Module	Module 2: Complex Patient Cases: Ambulatory		Bradley Phillips, Eric A Dietrich
01/25/24	2	Lab	Session 2: Complex Patient Cases: Ambulatory	2	Bradley Phillips, Chardae Whitner, Eric A Dietrich, James Robert Taylor, Janel Soucie
01/26/24	3	Module	Module 3: Ambulatory Care Management		Jason Powell
02/01/24	3	Lab	Session 3: Complex Patient Cases: Ambulatory	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Jason Powell
02/02/24	4	Module	Module 4: Epilepsy Patient Care		Kalen Manasco
02/08/24	4	Lab	Session 4: Epilepsy Patient Care	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Kalen Manasco
02/09/24	5	Module	Module 5: Inpatient Rounding		Kayihura Manigaba
02/15/24	5	Lab	Session 5: Inpatient Rounding	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Kayihura Manigaba
02/16/24	6	Module	Module 6: Kinetics		Veena Venugopalan
02/22/24	6	Lab	Session 6: Kinetics **ALL STUDENTS 10:40am 12:35pm in regular classroom**	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Veena Venugopalan
2/26/24- 3/1/24			***APPE Readiness Week -- NO LAB***		
03/04/24	7	Module	Module 7: Depression		John S Markowitz
03/07/24	7	Lab	Session 7: Depression	2	Chardae Whitner, James Robert Taylor, Janel Soucie, John S Markowitz
3/11/24- 3/15/24			***SPRING BREAK -- NO LAB***		
03/18/24	8	Module	Module 8: Total Parenteral Nutrition		Bethany Ruth Shoulders

Date / Time	Mod #	Activity	Activity Title	Contact Time (hr)	Responsible
03/21/24	8	Lab	Session 8: Total Parenteral Nutrition	2	Bethany Ruth Shoulders, Chardae Whitner, James Robert Taylor, Janel Soucie
03/22/24	9	Module	Module 9: Enteral Nutrition		Dr. Schmittgen, Jenna Seckar
03/27/24 at 10am 12pm		Exam	Top 200 Exam	2	
03/28/24	9	Lab	Session 9: Enteral Nutrition	2	Chardae Whitner, Dr. Schmittgen, James Robert Taylor, Janel Soucie, Jenna Seckar
03/29/24	10	Module	Module 10: Pharmacogenomics		Emily Cicali, Kelsey Cook
04/04/24	10	Lab	Session 10: Pharmacogenomics	2	Chardae Whitner, Emily Cicali, James Robert Taylor, Janel Soucie, Kelsey Cook
04/05/24	11	Module	Module 11: Geriatric Patient Care		James Robert Taylor, Katherine L Vogel Anderson
04/11/24	11	Lab	Session 11: Geriatric Patient Care	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Katherine L Vogel Anderson
04/12/24	12	Module	Module 12: Pediatric Patient Care		Kalen Manasco
04/15/24 at 1 3pm		Exam	Top 200 Drugs & Calculations Makeup Exam		
04/18/24	12	Lab	Session 12: Pediatric Patient Care	2	Chardae Whitner, James Robert Taylor, Janel Soucie, Kalen Manasco
04/24/24 8am 12pm		Lab	Make Up Lab		Chardae Whitner, James Robert Taylor, Janel Soucie
			Total Contact Time in Course:	40	

Appendix C. 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: 10:00am-11:50am
 - Session 2: 1:00pm-2:50pm

Orlando

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