

# PHA5166 Professional Practice Skills Laboratory VI

Spring 2021

1 Credit Hours – [A-E Grading]

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*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.*

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## Teaching Partnership Leader

James Taylor, PharmD, CDE, BCACP

- 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 A8.** Minimize adverse drug events and medication errors
8. **EPA A9.** Maximize the appropriate use of medications in a population
9. **EPA A11.** Educate patients and professional colleagues regarding the appropriate use of medications
10. **EPA 12.** Use evidence-based information to advance patient care
11. **EPA 14.** Fulfill a medication order

## Course-Level Objectives

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

1. Correctly fulfill a medication order
2. Recommend and counsel patients on use of enteral nutrition products.
3. Apply pharmacoepidemiologic and drug safety principles to patient care
4. Discuss pharmacy management issues
5. Collect and assess a medical and medication history from a patient, family member, or caregiver.
6. Present a succinct oral patient summary and therapeutic plan recommendations to another healthcare provider.
7. Document patient care recommendations and interventions
8. Defend a therapeutic plan verbally using guidelines and primary literature
9. Formulate a therapeutic plan, including nonpharmacological options, for assigned patients
10. Provide follow-up on treatment plans for assigned patients.
11. Provide medication choice and dose recommendations tailored to pediatric and geriatric populations.
12. Perform parenteral nutrition product calculations and understand order sets.
13. 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 5223: Pharmacoepidemiology & Drug Safety
2. PHA 5226: Patient Safety & Quality
3. PHA 5222: Pharmacy Practice Management
4. PHA 5239: Pharmaceutical Law
5. PHA 5788C: Patient Care VI: Skill & Musculoskeletal Disorders
6. PHA 5703: Personal & Professional Development

## Lab Location & Sessions:

### 1. Location:

- a. **Gainesville:** Pharmacy Skills Lab
- b. **Jacksonville:** COP Lab
- c. **Orlando:** Room 435

### 2. Sessions:

- a. **Session 1:** 8:30-10:25am  
**Session 2:** 10:40-12:35pm  
**Session 3:** 1:55-3:50pm  
**Session 4:** 4:05-6:00pm
- b. **Jacksonville:**  
**Session 1:** 8:30-10:25am  
**Session 2:** 10:40-12:35pm
- c. **Orlando:**  
**Session 1 (Group A):** 8:30-10:25am  
**Session 2 (Group B):** 10:40-12:35pm  
**Session 3 (Group C):** 1:55-3:50pm

## Course Outline

This course is offered in a blended learning format that utilizes a weekly module-based design combining 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.

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.

<b>Date Recommended Dates for Independent Study</b>	<b>Mod#</b>	<b>Unit Topic</b>	<b>Contact Hours [hr.]a</b>	<b>Faculty Author</b>	<b>Learning Objectives Covered</b>
<b>1/6/21-1/15/21</b>		<b>OSCEs</b>	4.0hr		
	1	Module 1: Enteral nutrition		M. Brown/J. Schmittgen	
<b>1/21/21</b>		Skills Lab Session 1		M. Brown/J. Schmittgen	
	2	Module 2: Complex Patient Cases: Ambulatory	1.0hr	DeRemer	2
		Watch:			
<b>1/28/21</b>		Skills Lab Session 2	2.0hr	DeRemer	
	3	Module 3: Amb Care Clinic	1.0hr	Powell	1
		Watch:			
<b>2/4/21</b>		Skills Lab Session 3	2.0hr	Powell	
	4	Module 4: Pharmacoepidemiology and Drug Safety	1.0hr	Joshua Brown	3

<b>Date Recommended Dates for Independent Study</b>	<b>Mod#</b>	<b>Unit Topic</b>	<b>Contact Hours [hr.]a</b>	<b>Faculty Author</b>	<b>Learning Objectives Covered</b>
		Read: News Article: Study linked H2 receptor antagonists, but not PPIs, to dementia			
		Read: Journal Article: Association Between Proton Pump Inhibitor Use and Function in Women			
		Review: Journal Article: Association of Proton Pump Inhibitors with Risk of Dementia			
<b>2/11/21</b>		Skills Lab Session 4	2.0hr	Joshua Brown	
	5	Module 5: Inpatient Rounding	1.0hr	Shoulders	
		Watch:			
<b>2/18/21</b>		Skills Lab Session 5	2.0hr	Shoulders	
	6	Module 6: Epilepsy Patient Care	1.0hr	Manasco	
		Review: Pt. Care Video			
<b>2/25/21</b>		Skills Lab Session 6	2.0hr	Manasco	
<b>3/1/21-3/5/21</b>		<b>APPE Readiness Week, no lab</b>			
	7	Module 7: Naloxone	1.0hr	Motycka	
<b>3/11/21</b>		Skills Lab Session 7	2.0hr	Motycka	
	8	Module 8: Psychiatric Patient Care		Markowitz	
<b>3/15/21</b>	All	Top 200 Exam	2.0hr		

<b>3/18/21</b>		Skills Lab Session 8		Markowitz	
	9	Module 9: Pharmacogenomics	1.0hr	Cicali	
<b>3/25/21</b>		Skills Lab Session 9	2.0hr	Cicali	
	10	Module 10: Total Parenteral Nutrition	1.0hr	Antigua	
<b>4/1/21</b>		Skills Lab Session 10	2.0hr	Antigua	
	11	Module 11: Geriatric Patient Care	1.0hr	Vogel Anderson	
<b>4/8/21</b>		Skills Lab Session 11	2.0 hr	Miller/Vogel Anderson	
	12	Module 12: Pediatric Patient Care		Manasco	
<b>4/15/21</b>		Skills Lab Session 12	2.0hr	Manasco	

## Required Textbooks/Readings

Readings such as review articles, websites, or other reading materials will be assigned. These resources will be provided and posted to the course site. Some instructors may use resources that are available via Access Pharmacy in the HSC Database.

## Other Required Learning Resources

- Top 300 Drugs Flashcards
  - The flashcards are available for free through Access Pharmacy: <http://accesspharmacy.mhmedical.com/qa.aspx#tab5>
- 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

## Student Evaluation & Grading

Evaluation Methods and How Grades are calculated.

Assessment Item	Grade Percentage
Weekly Pre-Lab Quizzes	10%
Weekly Performance Assessments	50%
Top 200 Drug Exam	20%
OSCE Examination	20%
<b>Total</b>	<b>100%</b>

### 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). 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 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.

### Top 200 Exam

This will consist of 75 multiple choice questions taken from the drug cards (25 of the questions will come from 2PD 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, pregnancy category (only if category D or X), common adverse reaction (>10%) and key patient counseling points. Students must obtain an 80% or better on this exam in order to pass the course. Those who do not achieve this score will retake the exam. This grade is also tracked within the Personal and Professional Development 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 two attempts will meet with the course coordinator to discuss potential options, which may include a 3<sup>rd</sup> 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)**

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 Personal and professional development 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. Grading Scale

#### **Rounding of grades:**

Final grades in Canvas will be rounded to the 2<sup>nd</sup> 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/>

Percentage Range	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

## 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/>

## 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/>

# Appendix A. Course Directory

## Teaching Partnership Leader/Course Director:

Name: James Taylor, PharmD, CDE, BCACP

Email: [jtaylor@cop.ufl.edu](mailto: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

## Instructional Designer:

Name: Elliot Tordoff

Office: HPNP 4309

Email: [etordoff@cop.ufl.edu](mailto:etordoff@cop.ufl.edu)

Phone: 352-294-5215

## Academic Coordinator:

Name: Misti Merrill

Office: HPNP 4312

Phone: 352-273-5617

Absent/Tardy Email: [absent3pd@cop.ufl.edu](mailto:absent3pd@cop.ufl.edu)

### 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.)

## **Education Coordinators:**

Name: McKenzie Wallen

Email: [mwallen@cop.ufl.edu](mailto:mwallen@cop.ufl.edu)

Office: Jacksonville Campus

Name: Iverta Allen

Email: [iallen1@cop.ufl.edu](mailto:iallen1@cop.ufl.edu)

Office: Orlando Campus

## Other Teaching Partnership Faculty Members:

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## Appendix B. Lab Locations & Sessions

### Gainesville

- **Location:** Pharmacy Skills Lab
- **Sessions**
  - Session 1: 8:30am-10:25am
  - Session 2: 10:40am-12:35pm
  - Session 3: 1:55pm-3:50pm
  - Session 4: 4:05pm-6:00pm

### Jacksonville

- **Location:** COP Lab
- **Sessions**
  - Session 1: 8:30am-10:25am
  - Session 2: 10:40am-12:35pm

### Orlando

- **Location:** Room 435
- **Sessions**
  - Session 1 (Group A): 8:30am-10:25am
  - Session 2 (Group B): 10:40am-12:35pm
  - Session 3 (Group C): 1:55pm-3:50pm