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, CDE, BCACP
• Email: jtaylor@cop.ufl.edu
• Office: HPNP 3314
• Phone: 352-273-6239
• Office Hours: By appointment ONLY.

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:

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.

Interprofessional Team Member Domain
6. Collaborate as a member of an interprofessional team.

Information Master Domain
11. Educate patients and professional colleagues regarding the appropriate use of medications.
12. Use evidence-based information to advance patient care.

Practice Manager Domain
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.

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

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

2. 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.

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<th>Assessment Item</th>
<th>Grade Percentage</th>
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<tr>
<td>Weekly Pre-Lab Quizzes</td>
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<td>Weekly Performance Assessments</td>
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<tr>
<td>Top 200 Drug Exam</td>
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<td>OSCE Examination</td>
<td>20%</td>
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<td>Total</td>
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**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 50 multiple choice questions taken from the drug cards (up to 20% of the questions may 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 a 73% 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 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)**

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.

**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:

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<td>&lt; 59.50%</td>
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Table 1. Grading Scale
Pharm.D. Course Policies

The Policies in the following link apply to this course. Review the Pharm.D. 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 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
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

Academic Coordinator:
Name: Holly Fremen
Email: holly.fremen@cop.ufl.edu
Office: HPNP 4312
Phone: 352-273-5617
Absence/Tardy Email: 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 Examplify 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
Office: Jacksonville Campus

Name: Iverta Allen
Email: iallen1@cop.ufl.edu
Office: Orlando Campus
Other Teaching Partnership Faculty Members:

Name: James Taylor, PharmD, CDE, BCACP
Email: jtaylor@cop.ufl.edu
Office: HPNP 3314
Phone: 352-273-6239

Name: Joshua Brown, PharmD, PhD, MS
Email: joshua.brown@cop.ufl.edu
Office: HPNP 3320
Phone: 352-294-8593

Name: Joshua Pullo, PharmD
Email: Jpullo@cop.ufl.edu
Office: Orlando Campus
Phone:

Name: Stacy Voils, PharmD, MS, BCPS, FCCM, FCCP
Email: svoils@cop.ufl.edu
Office: HPNP 3315
Phone: 352-294-5276

Name: John Markowitz, PharmD, BCPP
Email: jmarkowitz@cop.ufl.edu
Office: HSC PG-23
Phone: 352-273-6262

Name: Christina DeRemer, PharmD, BCPS, FASHP
Email: cderemer@ufl.edu
Office: HPNP 3306
Phone: 352-273-6224

Name: Kalen Manasco, PharmD, BCPS, FPPAG
Email: kmanasco@cop.ufl.edu
Office: HPNP 3310
Phone: 352-294-8749

Name: Katie Vogel Anderson, PharmD, BCACP
Email: kvanderson@cop.ufl.edu
Office: HPNP 3313
Phone: 352-273-6240
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
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Total Contact Time in Course: 13.5