PHA5161L: Professional Practice Skills Laboratory I

Fall 2018

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: patient interviewing, documenting patient care activities, patient assessment, promoting health and wellness, solving pharmaceutical calculations, preparing non-sterile compounds, 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 into community practice settings during your first Introductory Pharmacy Practice Experience.

Teaching Partnership Leader

Stacey Curtis, Pharm.D.
- Email: scurtis@cop.ufl.edu
- Office: HPNP 2336
- Phone: 352-273-6232
- 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.
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. Collect basic subjective and objective evidence related to patient, medications, allergies/adverse reactions, and disease, by interviewing the patient and by gathering data from chart/electronic health records, pharmacist records and patient/family interviews.
2. Perform a basic vital sign assessment (e.g. blood pressure, pulse, temperature, respirations, height, weight) and interpret data for a simulated patient.
3. Perform a basic physical exam and review of systems in a simulated patient for the following body systems: musculoskeletal, cardiovascular, and respiratory.
4. Document patient care activities in various systems utilized in pharmacy practice (e.g. electronic health records or community pharmacy software)
5. 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.
6. Demonstrate the ability to perform a health screening (e.g. blood pressure or diabetes) in a community setting.
7. Interpret patient data (e.g. physical exam findings, laboratory data or diagnostic data) to identify basic drug-related (e.g. non-adherence, drug allergy, or wrong indication for a drug) or health/wellness-related problems.
8. Interview patients using an organized structure and specific questioning techniques.
9. Actively listen and ask appropriate open and closed-ended questions to gather information.
10. Communicate effectively with a patient and/or caregiver using an electronic medical record during a patient encounter.
11. Demonstrate attributes that promote a professional therapeutic relationship with patients and their families (e.g. empathy).
12. Demonstrate altruism, integrity, trustworthiness, flexibility, and respect in all interactions.
13. Display preparation, initiative, and accountability consistent with a commitment to excellence.
14. Deliver patient-centered care in a manner that is legal, ethical, and compassionate.
15. Recognize that one’s professionalism is constantly evaluated by others.

Course Pre-requisites

1. Admission to the Doctor of Pharmacy Program.
Course Co-requisites

1. PHA 5103 Principles of Patient-Centered Care
2. PHA 5007 Population Health
3. PHA 5700C Personal & Professional Development I
4. PHA 5560 Pathophysiology & Patient Assessment I
5. PHA 5439 Principles of Medicinal Chemistry and Pharmacology I
6. PHA 5176 Drug Delivery Systems

Course Outline

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.

Following certain labs, a 1-hour debrief will take place via Big Blue Button. Students are encouraged to attend live to enhance the discussions. Sessions will be recorded for later viewing. Laboratory debriefs will allow course instructors to provide feedback on class performance for in-lab activities and simulations and allow students the opportunity to clarify questions on course content. Course instructors will also provide key take home points for the specific module and tips to enhance performance during future assessments.

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. See Appendix B for Skills Lab Locations and Sessions. See Appendix D for Course Outline.

Required Textbooks/Readings


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

None

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](http://accesspharmacy.mhmedical.com/qa.aspx#tab5)

2. Stethoscope: Students are required to purchase one of the following stethoscopes - 3M Littman Lightweight II S.E. 28 inch stethoscope or the 3M Littman Classic II S.E. 28 inch stethoscope.

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

$30
# Student Evaluation & Grading

Evaluation Methods and How Grades are calculated.

<table>
<thead>
<tr>
<th>Assessment Item</th>
<th>Description</th>
<th>Grade Percentage</th>
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<tr>
<td>Weekly Pre-Lab Quizzes</td>
<td>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. Pre-Lab Quizzes will occur in Modules 1-7 and 12 (with the exception of mini-OSCE weeks).</td>
<td>25%</td>
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<tr>
<td>Weekly Performance Assessesments</td>
<td>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 in addition to the mini OSCE simulation exams. 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. (See Appendix C for example rubric)</td>
<td>20%</td>
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| Mini OSCE Simulation Exams | Objective Structured Clinical Exams (OSCEs) consist of several stations/encounters in which a student must interact with a patient or solve a clinical problem. A mini-OSCE is a smaller version of a final/milestone OSCE and consists of 2 to 3 stations that will evaluate skills learned in modules prior to the scheduled mini-OSCE. Students will be assigned a specific time to complete their simulation exam. Please check your local campus schedule. Performance will be evaluated using rubrics or checklists for both active (stations that include speaking to a mock patient or provider) and passive (stations involving a problem on a computer or sheet of paper) stations.  
  - Simulation Exam, Part 1 – 20%  
  - Simulation Exam, Part 2 – 20% | 40%              |
| Top 200 Drugs Exam      | This exam will consist of 50 multiple choice questions taken from the Top 300 Drugs. A list of the drugs will be provided. Eligible content includes brand name, generic name, drug class, and indication. Students must obtain an 80% or better on this exam in order to pass the course. Those who do not achieve this score will be required to retake the exam. The score earned on the first attempt 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 delaying student’s | 15%              |
progression through the curriculum. The student’s performance in other aspects of the course will help determine how the situation is addressed. Resources will be provided to assist the student in self-guided study for this content.

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<th>Grade Percentage</th>
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<td>Total 100%</td>
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**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/

**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 Skills Lab Policies carefully at this URL: http://curriculum.pharmacy.ufl.edu/current-students/course-policies/skills-lab-policies/

**Weekly Pre-Lab Quizzes**
Quizzes will cover material discussed in the pre-lab videos and/or 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. 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 come talk to the faculty if they have questions about what they missed on a specific prelab quiz.
Appendix A. Course Directory

Teaching Partnership Leader/Course Director:
Stacey Curtis, Pharm.D.
Email: scurtis@cop.ufl.edu
Office: HPNP 2336
Phone: 352-273-6232

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

Instructional Designer
Julie Thomas
Office: HPNP 4309
Phone: 352-273-6284
Email: julie.thomas@ufl.edu

Academic Coordinator:
Holly Fremen
Email: holly.fremen@cop.ufl.edu
Office: HPNP 4312
Phone: 352-273-5558
Absence/Tardy Email: absent1pd@cop.ufl.edu

Educational Coordinators:
McKenzie Wallen
Email: mwallen@cop.ufl.edu
Office: JAX Campus

Victoria Savosh
Email: vsavosh@cop.ufl.edu
Office: ORL Campus

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 SofTest and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.)
Other Teaching Partnership Faculty Members:

Randell Doty, PharmD
Email: doty@cop.ufl.edu
Office: HPNP 2333
Phone: 352-294-4984

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

Cary Mobley, Ph.D.
Email: mobley@cop.ufl.edu
Office: HPNP 1315
Phone: 352-273-6282

Joshua Pullo, PharmD
Email: jpullo@ufl.edu
Office: Orlando Campus
Phone: 407-313-7031

Janet Schmittgen, PharmBS
Email: jschmittgen@ufl.edu
Office: HPNP 2335
Phone: 352-273-9547

Lihui Yuan, PharmD
Email: yuanlh@cop.ufl.edu
Office: P1-20A
Phone: 352-294-8594
Appendix B. Lab Locations & Sessions

Gainesville:
- **Location:** Pharmacy Skills Lab
- **Sessions**
  - Session 1: 8:30am-10:25am, Teams 1-6
  - Session 2: 10:40am-12:35pm, Teams 7-12
  - Session 3: 1:55pm-3:50pm, Teams 13-18
  - Session 4: 4:05pm-6:00pm, Teams 19-24

Jacksonville:
- **Location:** COP Lab
- **Sessions**
  - Session 1: 8:30am-10:25am, Teams 25-28
  - Session 2: 10:40am-12:35pm, Teams 29-33

Orlando:
- **Location:** Room 435
- **Sessions**
  - Session 1 (Group A): 8:30am-10:25am, Teams 34-37
  - Session 2 (Group B): 10:30am-12:25pm, Teams 38-42
  - Session 3 (Group C): 2:00pm-3:55pm, Teams 43-48
Appendix C: Weekly Performance Assessment

(Rubric/Checklist Example)

Module 2 – Patient Interview (Medication History Interview Checklist)

Skill assessed

Please check Yes or No to indicate performance of skill

*Introduces self as student from the College of Pharmacy
☐ YES  ☐ NO

Clarifies the purpose and structure of the interview
☐ YES  ☐ NO

Verifies patient name and correct pronunciation and demographic data
☐ YES  ☐ NO

Explains how patient will benefit from the interview
☐ YES  ☐ NO

*Collects a medication history (e.g. prescription, OTC, herbals) documenting medication name, dose, frequency, and reason for therapy
☐ YES  ☐ NO

*Assess for suspected or documented drug allergies/sensitivities
☐ YES  ☐ NO

Uses a balance of open-and closed-ended questions to assess patient’s actual use of medications
☐ YES  ☐ NO

Assess patient understanding of their medication dosages, frequencies, and route of administration
☐ YES  ☐ NO

Assess for any social/behavior factors that may influence medication use
☐ YES  ☐ NO

*Verify the patient’s current pharmacy/pharmacies used to fill prescription drugs
☐ YES  ☐ NO

Summarize information gathered from the patient for accuracy and completeness
☐ YES  ☐ NO

*Close the interview by offering to report discrepancies to the physician and obtain permission to clarify med list through other sources (e.g. pharmacy, caregiver). Arrange for follow-up if needed.
☐ YES  ☐ NO

*Indicates a critical item that must be completed to pass the assessment.
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<th>Delivery Date</th>
<th>Delivery Time</th>
<th>Id#</th>
<th>Activity</th>
<th>Activity Title</th>
<th>Syllabus Objectives</th>
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<td>Module 11</td>
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<td>1. Evaluate the role and responsibilities of the pharmacist in the community pharmacy setting.</td>
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**Learning Objectives**

1. Discuss the role of the pharmacist in respiratory patient assessment.
2. Describe the use of oximetry for respiratory assessment.
3. Describe the use of spirometry for respiratory assessment.
4. Discuss the importance of vaccinations in this population.
5. Demonstrate the use of respiratory medication delivery devices (HFA inhaler, respimat, diskus, twisthaler, handihaler) during patient counseling.
6. Discuss the reasons for poor outcomes in asthma/COPD patients.
7. Discuss the role of the pharmacist in respiratory patient assessment.
8. Evaluate respiratory examination findings and accounting respiratory clinical findings.
9. Discuss the use of oximetry for respiratory assessment.
10. Discuss the use of spirometry for respiratory assessment.
11. Discuss the importance of vaccinations in this population.
12. Demonstrate the use of respiratory medication delivery devices (HFA inhaler, respimat, diskus, twisthaler, handihaler) during patient counseling.

**Reading**

Read: Introduction to Respiratory Patient Counseling

**Contact Time**

- Video Lecture: 0.75 min
- Reading: 0.5 min