PHA5164L Professional Practice Skills Lab IV
Spring 2017
1 Credit Hour – [A-E Grading]

This course continues the development of essential skills a pharmacist is expected to perform in daily 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 sterile compounding, collaborating as an interprofessional team member, safe and accurate dispensing of medications and contributing to a culture of safety and improvement. The focus is caring for patients with gastrointestinal, renal, and endocrine diseases with problems that are simple to moderate in complexity. The patient care skills and tasks taught in this course will prepare you to enter into hospital practice settings during your Hospital Introductory Pharmacy Practice Experience (HIPPE) and care for more complex patients in all settings.

Teaching Partnership Leader

Kathryn J. Smith, Pharm.D.
- Email: ksmith@cop.ufl.edu
- Office: HPNP 2303/GNV
- Phone: 352-294-8287
- 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:

2. EPA A2. Interpret patient data and identify problems.
5. EPA A5. Provide counseling about medications and health wellness (including referral when there are social determinants of health and disparities).
7. EPA A8. Collaborate as a member of an interprofessional team.
9. EPA C1. Identify system failures and contribute to a culture of safety and improvement.
10. EPA D4. Educate patients, other health professionals, peers, and others about medications and, health/wellness strategies.
11. EPA E5. Solve problems related to insurance and prescription coverage.

Course-Level Objectives

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

1. Utilize an electronic medical record (EMR) (EPICedu) to collect relevant information to assess appropriateness of drug therapy.
2. Appropriately communicate with other healthcare professionals verbally and in the EMR.
3. Document patient care recommendations and interventions in the EMR.
4. Accurately complete calculations of dose, concentration and drip rate for intravenous medications.
5. Demonstrate appropriate and safe sterile compounding technique with a variety of sterile compounded medications.
6. Provide constructive and appropriate feedback to a technician about the preparation of an order for a sterile product and sterile compounding technique.
7. Present a succinct oral patient summary and therapeutic plan recommendations to another healthcare provider.
8. Defend a therapeutic plan verbally using guidelines and primary literature.
9. Counsel the following patients about a therapeutic plan including: name, dose and duration of drug(s), directions for use, monitoring for effectiveness and safety and follow up plan:
   a. Acute kidney injury
   b. Diabetes
   c. Pregnancy/Breastfeeding
   d. Prevention of Pregnancy
   e. Osteoporosis
10. Demonstrate attributes that promote a professional therapeutic relationship (e.g. empathy, cultural competency) when communicating with a patient and/or their family with the following conditions:
   a. Acute kidney injury
   b. Diabetes
   c. Pregnancy/Breastfeeding
   d. Osteoporosis
11. Understand the role of the Pharmacy and Therapeutics Committee within a hospital or managed care organization, especially in regards to approving protocols and order sets.
12. Formulate a therapeutic plan, including nonpharmacological options, for patients with changing kidney function, diabetes, osteoporosis or who is pregnant or breastfeeding.
13. Find and interpret clinical evidence in the literature for using medication during pregnancy and lactation
14. Provide a clinical recommendation to a pregnant or breastfeeding patient based on clinical information available.
15. Compare and contrast contraceptive options and pregnancy testing devices, including emergency contraception and contraception post-partum, and provide counseling to a patient on appropriate use.
16. Complete a Journal Club Presentation summarizing a research article.
17. Understand the process for prescription and other order entry in an EHR.
18. Demonstrate clinical thinking skills when verifying prescriptions for patients.
19. 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. Completion of all coursework in first 3 semesters of the Doctor of Pharmacy program.

**Course Co-requisites**

1. PHA5933 Sterile Compounding
2. PHA5784C Patient Care IV: GI/Renal
3. PHA5787C Patient Care V: Endocrinology and Women’s and Men’s Health

**Course Outline**

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.

<table>
<thead>
<tr>
<th>Date Recommended Dates for Independent Study</th>
<th>Mod#</th>
<th>Unit Topic</th>
<th>Contact Hours [hr.]</th>
<th>Faculty Author</th>
<th>Learning Objectives Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/9/17</td>
<td>1</td>
<td>Module 1: Sterile Compounding I - Garbing, Fluid Naming and Aseptic Technique</td>
<td>1.0hr</td>
<td>Klinker</td>
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<td>Watch: Garbing technique: Aseptic Technique Verification System Part 3 Video</td>
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<td>Read: Fluid naming conventions: IV Fluid Pictures, IV Fluid Worksheet</td>
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<td>Module 2: Sterile Compounding II: Aseptic Technique and Compounding with Powders, Vials and Ampules</td>
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<td>Klinker</td>
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<td>Watch: Mini-Bags</td>
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<td>Watch: Add-Vantage</td>
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<td>Read: Add-Vantage and Mini Bag Instructions handout</td>
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<td>Module 3: Sterile Compounding III: Sterility, Stability and Verification</td>
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<td>Module 4: Sterile Compounding IV: Individual Assessment of IV Technique</td>
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<td>Module 5: EpicEDU Order Entry and Verification</td>
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<td>6</td>
<td>Module 6: EpicEDU: Order Sets and Protocols</td>
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<td>7</td>
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<td>Shoulders</td>
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<td>7.1</td>
<td>Read: Dr. Shoulder’s presentation from Skills Lab III on Succinct Patient Case Presentations</td>
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<td>Module 8: EpicEDU: Adjusting Medication for Changing Renal Function in the Hospital</td>
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<td>Module 9: Diabetes Clinic 1</td>
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<td>Skills Lab Session 9: Module 9</td>
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<td>4/3/17</td>
<td>11.1</td>
<td>Watch: Managing Contraception</td>
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<td>Skills Lab Session 11: Module 11</td>
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<td>4/10/17</td>
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<td>Module 12: Women’s Health</td>
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<td>St. Onge</td>
<td>9, 10, 13, 14</td>
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<td>4/10/17</td>
<td>12.1</td>
<td>Watch: What to Say When the Evidence Just Isn’t There</td>
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<td>4/17/17</td>
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<td>Module 13: Journal Club Presentations</td>
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<td>Skills Lab Session 13: Module 13 - Presentations</td>
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<td>Top 200 Drugs Exam – Milestone</td>
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Total Contact Hours in Course: 39.0hr
Required Textbooks/Readings

   - Not Available via HSC Library
2. Other required readings will be posted to Canvas.
Use [UF VPN to access UF Libraries Resources](http://www.library.health.ufl.edu/) 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](http://www.library.health.ufl.edu/)

Suggested Textbooks/Readings

Suggested readings will be posted in Canvas.

Other Required Learning Resources

1. Sigler Drug Cards, 32nd Edition Update
2. EPIC EDU
   - Each student will receive two unique logins:
     a. Shands username and password
     b. EPIC EDU username
   - The password for the Epic EDU environment is “train.”
   - For Epic EDU resources, including FAQ guides and how to access the system, please access the Epic EDU Module Icon within the course site.

Materials & Supplies Fees

None
Student Evaluation & Grading

Evaluation Methods and How Grades are calculated.

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<tr>
<th>Assessment Item</th>
<th>Grade Percentage</th>
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<tbody>
<tr>
<td>Pre-Lab Quizzes [11]</td>
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<tr>
<td>Journal Club Presentation</td>
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<tr>
<td>Patient Case Presentation</td>
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<tr>
<td>Clinical Question and Answer</td>
<td>5%</td>
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<tr>
<td>Top 200 Drugs Exam</td>
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<td>Total</td>
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Table 1. Grading Scale

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/
Appendix A. Course Directory

Teaching Partnership Leader/Course Director:

Kathryn J. Smith, Pharm.D.
Email: ksmith@cop.ufl.edu
Office: HPNP 2303/GNV
Phone: 352-294-8287
Office Hours: By appointment ONLY.

Questions to Ask:

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

Academic Coordinator:

Name: Candice Walker
Email: candice.walker@cop.ufl.edu
Office: HPNP 4312/GNV
Phone: 352-294-8677
Office Hours: By appointment ONLY.

Questions to Ask:

- Issues related to course policies (absences, make up exams, missed attendance)
- Absence 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 gradebook (missing grades, wrong grade)
- Assistance with ExamSoft® (Distant campus students may contact Education 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:

Jacksonville Campus Coordinator:
Lori Dupree, Pharm.D., BCPS
Email: ldupree@cop.ufl.edu
Phone: 904-244-9590

Orlando Campus Coordinator:
Lisa Vandervoort, Pharm.D.
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