Course Purpose:
This course is designed to provide you with an opportunity to learn and practice a variety of important patient care skills. You will be asked to integrate knowledge, skills, and attitudes with respect to patient assessment, communication, practice management, professional ethics, therapeutics and commonly used clinical diagnostic and monitoring tools.

Course Faculty and Office Hours
Course Coordinator:
Jim Taylor, Pharm.D., CDE, BCACP  352-273-6239
jtaylor@cop.ufl.edu
HPNP Room 3314

Office Hours
By appointment

Place and Time of Class Sessions
Gainesville:  Students will register for one of 4 laboratory sessions:

   a. Group 1 (section 4434) – Wednesdays 1:55-3:50
   b. Group 2 (section 4438) - Wednesdays 4:05-6:00
   c. Group 3 (section 4439) - Thursdays 8:30-10:25
   d. Group 4 (section 4452) - Thursdays 10:40-12:35

All Gainesville Labs meet in HPNP Room 1310

Distance Site Sessions – Dates and times for labs at the distance campuses as well as assignment to specific lab sessions will be posted on the distance campus websites.

How This Course Relates to the Learning Outcomes You Will Achieve in the Pharm.D. Program:
1. Provide Patient-centered Care - Specifically: as the medication expert (collect and
interpret evidence, prioritize patient needs, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities.

2. Provide Population Health by promoting effective drug use and disease prevention/wellness.

3. Perform pharmacist responsibilities within the medication use system and relate to the larger health care systems to assure safe and quality patient care.

4. Communicate effectively with patients, caregivers, peer pharmacists, other pharmacy staff, and other health professionals.

5. Demonstrate ethical behaviors and adhere to legal requirements in pharmacy practice.

6. Solve complex practice problems (both patient-specific and general practice) using an evidence-based approach, other aspects of good clinical science, and informatics.

7. Demonstrate professional behaviors (i.e., UF PharmD CORES), appropriate personal habits, self-directed and lifelong learning abilities, and leadership.

Course Objectives

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

1. Interview and counsel a patient
2. Interact with another health-care provider in speech and writing
3. Identify the appropriate resources and develop an effective and efficient search strategy.
4. Interpret prescriptions correctly and perform calculations necessary for the accurate compounding and/or dispensing of dosage forms.
5. Utilize practice management software to efficiently and effectively dispense medications.
6. Perform a basic physical assessment on a patient
7. Counsel patients on proper inhaler technique
8. Counsel patients on tobacco cessation
9. Counsel patients on insulin injection technique and glucose monitoring
10. Counsel patients on women’s health products
11. Counsel patients on point of care lipid, INR and A1c monitoring devices
12. Describe the pathophysiology of selected disease states and explain the rationale for corresponding drug therapy.
13. Select appropriate initial and maintenance drug regimens for patients with a given disease and disease characteristics.
14. Describe potential adverse effects of medications and discuss strategies to prevent and/or manage the occurrence of such effects.
15. Identify drug/drug, drug/laboratory and drug/food interactions associated with applicable medications.
16. Interpret relevant diagnostic tests and laboratory values associated with applicable medications.
17. Analyze patient-specific pharmacotherapy cases utilizing a SOAP format that includes:
   - Identifying, prioritizing and assessing the patient’s medical problem(s)
   - Identifying abnormal physical findings and laboratory values
- Identifying adverse drug effects as well as drug/drug, drug/laboratory and drug/food interactions
- Identifying both actual and potential drug-related problems and document rationale
- Designing and evaluating treatment regimens for optimal outcomes using disease states and previous or current drug therapy
- Developing backup plans based on what problems are likely to occur from/with the primary plan
- Developing corresponding monitoring parameters and therapeutic goals for the patient
- Recommending follow-up and referral, as appropriate
- Developing appropriate counseling strategies to promote optimal patient outcomes

Pre-Requisite Knowledge and Skills
3 PD in good standing
Successful completion of all 1 PD and 2 PD courses

Course Structure & Outline

Course Structure.

Multiple self-directed learning activities are required (eg, videos, readings, web-based learning) and students come to class for a face-to-face learning session (labs).

Course Outline/Activities.  See Appendix B

Textbooks
Students are expected to purchase Sigler Prescription Drug Cards (31st edition) in order to study for the Top 200 Drugs Examination by going to www.siglerdrugcards.com.

Required Items
A laptop is required and must be brought to lab each week. Students must have their own laptop in lab as many assignments will be submitted via laptop in lab.

Active Learning Requirements
Learn about various point of care and OTC products in lab, including how to use them, features, advantages/disadvantages, and counseling points.

Student Evaluation & Grading
Evaluation Methods
Students will be evaluated on participation, professionalism, submitted assignments/SOAP notes, quizzes, exams and in-class performance.

**Weekly Performance Assessment**
A grade of the week’s activities/assignments (if multiple assignments, they may be averaged to obtain an overall weekly grade)

**Professionalism**
- Each student starts with 100 points
- Points may be deducted by faculty/TA’s for violations of professional demeanor (see below)

**Professional Demeanor**

- **All lab work will be an individual effort unless directed as a group assignment by the course coordinator.** Unauthorized group work will result in a **Zero (0%)** for the assignment grade for that laboratory period

- Students are **required** to attend **ALL** designated class sessions. Attendance will be taken at the beginning of each lab. Students are responsible for **ALL** material discussed in the class sessions.

- Students are expected to be **well prepared** for each lab session. This includes a thorough understanding of the pre-lab lecture and reading assignments, and the completion of all relevant pre-class assignments. Students judged as insufficiently prepared for lab through their inability to participate in lab activities and/or discussions will be penalized **20 points** on professional demeanor and topic assessment.

- Students are expected to complete all assigned work and to take all examinations at the class period designated by the instructor.

- An **Unexcused Absence** will result in a **30 point** deduction from the professional demeanor portion of the final grade and a score of **0%** on all activities for that week’s lab.

- Students who are disruptive in lab may receive up to a **20 point** reduction in professionalism grade per incident. Students who are repeatedly disruptive in lab may be asked to leave and will receive a zero for all activities covered that day in lab.

**PROFESSIONAL APPEARANCE:**
- The lab is considered to be a professional setting during laboratory sessions. Therefore, it is required that you dress in a professional manner. **Students will wear a clean**
white lab coat and a UF COP name tag along in the lab at all times (unless an exception is granted).

- Closed-toed shoes should be worn in the lab. **No Flip Flops or sandals of any kind** are allowed in the Lab.
- If a student comes to lab wearing inappropriate attire, **10 points** will be deducted from the professional demeanor portion of the final grade and the course instructor or coordinator reserves the right to send the student home for inappropriate dress.

**OSCE (Objective Structured Clinical Exam)**
The OSCE will consist of 16 stations where students have 10 minutes per station. Eight of the stations involve interacting with a person (who is role-playing a patient or health-care provider) and the other 8 are computer-based questions to answer. Topics may include those from skills lab as well as from other required pharmacy courses. Each student will receive a specific appointment date and time for their OSCE. All students will take the OSCE at the Gainesville campus. More details will be provided on course website.

Students whose overall OSCE grade is 2 SD (standard deviations) or lower as compared to class average will be required to complete remediation. Remediation will take place at the Gainesville campus. Students must successfully complete remediation before they can begin APPE rotations. The original OSCE scores will be used for course grade calculation.

A mini-OSCE will be completed in class prior to the main OSCE so that students receive exposure to an OSCE environment. This will take place at your usual campus.

**Top 200 Drugs Exam**
This will consist of multiple choice questions taken from the Sigler drug cards. Approximately half of the 200 drugs will be tested during the fall semester and the remaining drugs will be tested in Spring skills lab.

Students must obtain a 73% or better on this exam in order to pass the course. Those who do not achieve this score will be given another opportunity to retake the exam. However, the grade from the first attempt will be the one used towards calculating the students skills lab 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 students’ progression through the curriculum being delayed. A students 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. Questions may cover brand/generic name, sub-class, FDA approved indications, normal dose range, pharmacology or important pharmacokinetic features, significant/important drug interactions, contraindications, common/severe adverse effects, and patient consultation points

**Orlando Campus IPE Activity**
Orlando students are required to satisfactorily complete an IPE activity this semester in order to pass this course. Please note this is not a requirement of students at other campuses as they have completed a satisfactory number of IPE activities.

**Grading Scale**

*Course grade will be determined as follows:*

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professionalism/Team Evaluation</td>
<td>5%</td>
</tr>
<tr>
<td>Weekly performance assessment</td>
<td>40%</td>
</tr>
<tr>
<td>Weekly Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Mini OSCE</td>
<td>5%</td>
</tr>
<tr>
<td>OSCE</td>
<td>25%</td>
</tr>
<tr>
<td>Top 200 Drugs Exam</td>
<td>15%</td>
</tr>
<tr>
<td>APhA Immunization Certificate Course</td>
<td>Pass/Fail*</td>
</tr>
<tr>
<td>Orlando Campus Only: IPE Activity</td>
<td>Pass/Fail#</td>
</tr>
</tbody>
</table>

Total 100%

*Students must pass APhA immunization course to pass skills lab

#Orlando students are required to satisfactorily complete the IPE Activity to pass skills lab

Please note there is no final exam in this course

**Grade Scale**

A final percentage grade will be calculated and letter grades assigned as follows:

<table>
<thead>
<tr>
<th>Overall Average</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100%</td>
<td>A</td>
</tr>
<tr>
<td>90-92%</td>
<td>A-</td>
</tr>
<tr>
<td>87-89%</td>
<td>B+</td>
</tr>
<tr>
<td>83-86%</td>
<td>B</td>
</tr>
<tr>
<td>80-82%</td>
<td>B-</td>
</tr>
<tr>
<td>77-79%</td>
<td>C+</td>
</tr>
<tr>
<td>73-76%</td>
<td>C</td>
</tr>
<tr>
<td>70-72%</td>
<td>C-</td>
</tr>
<tr>
<td>67-69%</td>
<td>D+</td>
</tr>
<tr>
<td>63-66%</td>
<td>D</td>
</tr>
<tr>
<td>60-62%</td>
<td>D-</td>
</tr>
<tr>
<td>&lt; 60%</td>
<td>E</td>
</tr>
</tbody>
</table>

More information on minus grades and UF grading policies can be found at: [http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html](http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html)
Class Attendance Policy

Attendance is mandatory for all labs and exams. You are expected to be seated and ready so that labs can start promptly. Unless there is an extenuating circumstance, you will not be able to make up a missed/incomplete lab or exam and you will receive a zero for that lab/exam. Make-up labs/exams will only be given if important medical reasons warrant (doctor’s excuse, death in the family) and students contact their campus faculty course coordinator before lab/exam begins in order to receive an excused absence. It is the student’s responsibility to contact their campus faculty coordinator to schedule a make-up lab/exam. Make-up labs/exams will only be available for a two-week period after a regular lab unless extenuating circumstances apply.

Policy on Old Quizzes and Assignments
Old assignments are not provided to students

General College of Pharmacy Course Policies
The College of Pharmacy has a website that lists course policies that are common to all courses. This website covers the following:

1. University Grading Policies
2. Academic Integrity Policy
3. How to request learning accommodations
4. Faculty and course evaluations
5. Student expectations in class
6. Discussion board policy
7. Email communications
8. Religious holidays
9. Counseling & student health
10. How to access services for student success

Please see the following URL for this information:

Complaints

Should you have any complaints with your experience in this course please contact your course coordinator. If unresolved, contact the COP Associate Dean-Curricular Affairs and Accreditation. For unresolved issues, see: http://www.distancelearning.ufl.edu/student-complaints to submit a complaint.

Calculator Policy

Only non-programmable calculators may be used
Appendix A: Directions for Contacting Faculty & Course Faculty List

Directions for Contacting Course Faculty
Students with course-related questions (e.g., illness, course structure/logistics, etc) should contact their campus course coordinator. Students with questions regarding content of lectures should post a message on the course website for the instructor. Do not email the instructor with content questions.

Course Coordinators
Jacksonville Coordinators:
Carol Motycka, PharmD                      motycka@cop.ufl.edu
Eric Egelund, PhD, PharmD                  EEgelund@cop.ufl.edu

Orlando Coordinators:
Erin St. Onge, Pharm.D.                   stonge@cop.ufl.edu

St. Petersburg Coordinators:
Priti Patel, PharmD                        ppatel@cop.ufl.edu
Alan Obringer, PharmD                     alanorx@yahoo.com
## Appendix B. Schedule of Course Activities/Topics

### PHARMACEUTICAL SKILLS LABORATORY 5108L Fall 2016 Schedule

<table>
<thead>
<tr>
<th>Week of</th>
<th>Topic</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 22 Week 1</td>
<td>Patient Assessment</td>
<td>Jim Taylor</td>
</tr>
<tr>
<td>Aug. 29 Week 2</td>
<td>Communication with Health Care Providers</td>
<td>Anne Schentrup, Amy Rosenberg</td>
</tr>
<tr>
<td>Sept. 5 Week 3</td>
<td>Drug Information/EBM</td>
<td>Priti Patel</td>
</tr>
<tr>
<td></td>
<td><em>Sept 5th Labor Day-no classes</em></td>
<td></td>
</tr>
<tr>
<td>Sept. 12 Week 4</td>
<td>Community Pharmacy 1</td>
<td>Stacey Curtis</td>
</tr>
<tr>
<td>Sept. 19 Week 5</td>
<td>Community Pharmacy 2 (MTM)</td>
<td>Teresa Roane, Heather Hardin</td>
</tr>
<tr>
<td>Sept 26 Week 6</td>
<td>Mini-OSCE OR Hospital Pharmacy Virtual Lab</td>
<td>Randell Doty/Stacey Baggett</td>
</tr>
<tr>
<td></td>
<td><em>(see comments below)</em></td>
<td></td>
</tr>
<tr>
<td>Oct. 3 Week 7</td>
<td>Mini-OSCE OR Hospital Pharmacy Virtual Lab</td>
<td>Randell Doty/Stacey Baggett</td>
</tr>
<tr>
<td>Oct. 10 Week 8</td>
<td>Physical Assessment</td>
<td>Jason Powell</td>
</tr>
<tr>
<td></td>
<td><em>(Oct 14th – Homecoming)</em></td>
<td></td>
</tr>
<tr>
<td>Oct. 17 Week 9</td>
<td>Asthma/COPD</td>
<td>Shannon Miller</td>
</tr>
<tr>
<td>Oct. 24 Week 10</td>
<td>Tobacco Cessation</td>
<td>Karen Sando</td>
</tr>
<tr>
<td>Oct. 31 Week 11</td>
<td>Diabetes 1 (glucose meters/foot exam)</td>
<td>Kevin Cowart</td>
</tr>
<tr>
<td>Nov. 7 Week 12</td>
<td>Diabetes 2 (insulin/injectables)</td>
<td>Kevin Cowart</td>
</tr>
<tr>
<td></td>
<td><strong>Nov 8th Top 200 Drugs Exam 4:30-6:30 PM</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Nov 11th – Veterans Day – no classes)</em></td>
<td></td>
</tr>
<tr>
<td>Nov. 14 Week 13</td>
<td>Point of Care Monitoring (INR/Lipids)</td>
<td>Sarah Honaker</td>
</tr>
<tr>
<td></td>
<td><strong>OSCE’s Begin (see schedule below)</strong></td>
<td></td>
</tr>
<tr>
<td>Nov. 21</td>
<td>No lab this week</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Nov 23-26 Thanksgiving break)</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OSCE’s Continue</strong></td>
<td></td>
</tr>
</tbody>
</table>
Mini-OSCE/Hospital Pharmacy Virtual Lab
Students at each campus will take their Mini-OSCE either week 6 OR week 7. Mini-OSCE takes place at own campus. During week that student is not taking their Mini-OSCE, they should complete the hospital pharmacy virtual lab. Students will be notified of day/time for their mini-OSCE. Hospital pharmacy lab materials will be posted on course website.

OSCE Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov 16th</td>
<td>7:45-12:00</td>
<td>GNV</td>
</tr>
<tr>
<td>Nov 17th</td>
<td>7:45-12:00</td>
<td>GNV</td>
</tr>
<tr>
<td></td>
<td>12:45-5:00</td>
<td>ORL</td>
</tr>
<tr>
<td>Nov 18th</td>
<td>7:45-12:00</td>
<td>GNV</td>
</tr>
<tr>
<td></td>
<td>12:45-5:00</td>
<td>ORL</td>
</tr>
<tr>
<td>Dec 1st</td>
<td>12:45-5:00</td>
<td>STP + ORL</td>
</tr>
<tr>
<td>Dec 2nd</td>
<td>7:45-12:00</td>
<td>JAX + GNV</td>
</tr>
<tr>
<td></td>
<td>12:45-5:00</td>
<td>STP + JAX</td>
</tr>
<tr>
<td>Dec 5th</td>
<td>7:45-12:00</td>
<td>Make-ups/students with accommodations</td>
</tr>
<tr>
<td></td>
<td>12:45-5:00</td>
<td>JAX</td>
</tr>
</tbody>
</table>