In addition to research (see below), there are a number of elective options available to PharmD students during the summer.

ALL 1PD and 2PD students are eligible!

<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Patient Assessment for Pharmacists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit:</td>
<td>1 Semester Credit Hour</td>
</tr>
<tr>
<td>Course Dates:</td>
<td>May 20 – June 17</td>
</tr>
<tr>
<td>Course Structure:</td>
<td>This is an online course which requires participation in two Adobe Connect sessions during the first week and last week of the course. Each session will be offered multiple times to accommodate student schedules. The course consists of an Orientation and 9 modules. Eight of the modules require completion of a pre- and post-assessment quiz. Learning activities culminate in preparation of a SOAP note based on interaction with a virtual patient.</td>
</tr>
<tr>
<td>Course Description:</td>
<td>In providing Medication Therapy Management and other patient-centered care activities, pharmacists must be able to perform patient assessment skills that are pertinent to evaluating the efficacy and tolerability of medication therapy. In addition, the pharmacist must be able to interpret the physical assessment findings reported by other providers. During this course, the student will interact with a virtual patient and a virtual preceptor to learn how to gather patient assessment information in an organized manner. (See <a href="http://shadowhealth.com/">http://shadowhealth.com/</a> ) The student will also gain an understanding of how other health professionals perform physical assessments and how to interpret these results.</td>
</tr>
</tbody>
</table>

### NOT Fee Liable

PHA 5933 /One Credit /Space is limited!  
Email [carswell@cop.ufl.edu](mailto:carswell@cop.ufl.edu) by 4/1/13 to be registered  
Be sure to include:  
- Name  
- UFID  
- Campus  
If demand exceeds space, selection will be made by randomization.  
You will be notified if we are able to place you!

### Fee Liable
Registration for the following courses is handled in an ‘off book’ manner.

**Off Book** means that tuition is due via *their* registration system (as opposed to standard/Bursar’s Office fall & spring tuition process), and adheres to a different set of due dates than a ‘conventional,’ or **On Book** system. Although registration and payment is handled outside of ISIS, you will still see yourself registered there.

The degree audit has been programmed to recognize these courses as eligible electives, and will count toward degree requirements.

**$SS NOTE $S$:** PharmD students must be enrolled in **4 or more hours** to be eligible for financial aid.

*All aid related questions should be directed to Ms. Robinson (Robinson@cop.ufl.edu)!*

1PD & 2PD students: You will already **register yourselves** for required, one-credit IPPE summer classes:

These required, summer core courses are NOT fee liable!

- PHA 5942 (1PD)
- PHA 5944 (2PD)

**Tuition will not be reduced** in subsequent terms if summer electives are taken. Tuition is assessed in a block manner and there are plenty of ‘covered’ electives in the curriculum.

~Summer 2013 Off Book Elective Opportunities~

- Click [here](#) to register for Veterinary Pharmacy/2 credits) offered by the department of **Medicinal Chemistry**

- Refer to the enclosure for courses offered through the Department of **Pharmaceutical Outcomes and Policy**. These are all three credits.

  - PHA 5251 *Pharmaceutical Regulatory Compliance*
  - PHA 5252 *Managed Care Pharmacy*
  - PHA 5255 *Psychological Approach to Medication Safety in Pharmacy*
You may supplement your summer off book enrollment (to meet the four credit hour minimum required for aid, if applicable to you) with a *RESEARCH ELECTIVE*!

**RESEARCH is NOT OFF BOOK…**

There is **no** fee liability attached (just like PHA 5942, 5944, & 5933)

The time commitment is as follows for the Summer C term:

<table>
<thead>
<tr>
<th>CREDIT</th>
<th>HOURS</th>
<th>IN LAB/WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Follow the guidelines in the [link](#).

The bottom line is to arrange research work with a faculty member. The best place to start is your Faculty Advisor, who can guide you, based on your interests and skills.

Once you establish a ‘plan,’ I will need the following from you:

- Instructor’s Name & Department Affiliation
- Number of credit hours

These sections are departmentally controlled, and I will register you.

If you have any questions or concerns, please do not hesitate to contact me.

No matter what you decide, we will only be able to register you if you have NO HOLDS!

*Check in ISIS and clear anything ‘out there!’*
Open to PharmD students in any institution in the US

These courses have been approved as electives in the PharmD curriculum at the University of Florida. Students in PharmD programs at other institutions should consult with their academic advisors to ensure the transfer and applicability of academic credit toward their PharmD program.

PHA 5251 Pharmaceutical Regulatory Compliance

Based on a solid foundation in regulatory theory and practice, the purpose of this course is to study the authority and responsibilities of three federal agencies that are entrusted to ensure the safe, effective, and efficient use of medications in the United States. The practices and procedures of the Food and Drug Administration, Drug Enforcement Administration, and Centers for Medicare and Medicaid Services are reviewed. The importance of pharmacists and other health care professionals in assuring compliance with regulatory principles will be emphasized. Students will acquire the knowledge and skills necessary to function at an entry level in the field of pharmaceutical regulatory compliance.

- Faculty: David B. Brushwood, R.Ph., J.D., Professor of Pharmaceutical Outcomes & Policy
- Class meetings (online): Sundays, 6:00-9:00 Eastern Time. June 2 to July 28, 2013.
- Tuition: $1,575 + fees of approximately $100

PHA 5252 Managed Care Pharmacy

The purpose of this course is to help prepare students to understand and thrive professionally in the evolving US health care financing and delivery system. Post-WWII brought indemnity insurance, the managed care epoch started with the HMO Act in 1973, and now changes from the PPACA and accountable care programs will influence every aspect of pharmacy practice. Graduates will most effectively assert the vital role of pharmacy by understanding our dynamic and diverse health care delivery system.

This course provides a discussion of managed healthcare delivery principles and risk-sharing, focusing on the structure and function of the prescription benefit programs within health plans, insurers, and PBMs for employer group, Medicare, Medicaid, and other plan sponsors. The many evolving practice opportunities for pharmacists in managed care organizations are discussed.

This course discusses the components, development, and management of a managed pharmacy benefit, financial risk-sharing, and the business relationships among employer groups, pharmacy distribution channels (community, mail, specialty pharmacy), contracting with pharmaceutical manufacturers, CMS Medicare and state Medicaid agencies, and the evolution of pharmacy benefit programs and managed accountable care as the result of health care reform. Drug utilization review, formulary management,
recent health care legislation and major health policy decisions, use of comparative effective research, and patient-centered outcomes data, quality initiatives, health outcomes, drug formulary development and management, inter-professional interactions, the role of MTM and clinical pharmacy practices, e-prescribing, contracting, health information technology, patient-center medical homes, and pharmacy computer systems are discussed.

- Faculty: Robert P. Navarro, PharmD, Clinical Professor of Pharmaceutical Outcomes & Policy
- Class meetings (online): Tuesdays, 6:00 to 9:00 pm Eastern Time. June 4 to July 30, 2013.
- Tuition: $1,575 + fees of approximately $100

**PHA 5255 Psychological Approach to Medication Safety in Pharmacy**

Grounded in psychological theory, this course reviews the factors that can contribute to errors in pharmacy practice, the relationships between these factors and the behaviors of pharmacists, other health care professionals, patients, and health care organizations, and the benefit of defining the problem from multiple perspectives. **No prior knowledge of psychological principles is required.** The first part of the course will inform the student about human error and why we should not expect that it can be eliminated. The second part of the course will educate the student on recommended mindsets and behaviors to handle errors when they arise. The course will be successful if the student is able to perceive the pharmacy work environment as well as the tasks involved in pharmacy practice more from a human/organic/patient-centered viewpoint, rather than exclusively from a task/mechanistic/product-centered viewpoint, and if the student feels more confident that medication errors (and reactions to them) can be managed and regulated.

- Faculty: Dr. Kraig Schell, Affiliate Clinical Professor of Pharmaceutical Outcomes and Policy, University of Florida, and Professor of Psychology, Angelo State University
- Class meetings (online): Sundays, 6:00-9:00 Eastern Time. May 19 to July 28, 2013. (Final exam July 31.)
- Tuition: $1,575 + fees of approximately $100

For information, email: onlinepop@cop.ufl.edu