**Legacy Curriculum Only**

There Courses are Not Approved for the New Curriculum

Elective Course Descriptions
College of Pharmacy University of Florida
2016-2017

The following is a general list of elective course descriptions. An elective may not be offered in a particular semester even if it is listed here. Please check the current course schedule for your campus to determine which electives will be offered during any given semester.

Tuition and fees for electives can vary depending on the following conditions. Please check the charges that appear on ISIS for your registration:

- If an elective has a PHA 5000 level designation, this course is included in the annualized tuition and fees for the Doctor of Pharmacy degree.

- If an elective has a non-PHA prefix at the 5000 level, this course is NOT included in the annualized tuition and fees. The charge for this non-PHA elective course is the graduate tuition per credit hour. This amount is added to the annualized tuition and fees for that semester.

- If an elective has a PHA prefix at the 6000 level, this course is a graduate course for the Doctor of Philosophy degree program and is NOT included in the annualized tuition and fees for the Doctor of Pharmacy degree program. The charge for this PHA 6000 level elective course is the graduate tuition per credit hour. This amount is added to the annualized tuition and fees for that semester.

- If an elective is selected that is offered through graduate distance education programs for the Masters of Pharmaceutical Science degree (Forensic Science and Regulatory Affairs programs), this course is NOT included in annualized tuition and fees for the Doctor of Pharmacy degree. These two masters distance education degree programs are “off-book” with charges designed to support their operation and delivery. These course fees are added to the annualized tuition and fees for that semester.

Note: The annualized tuition and fees arrangement is approved by the Board of Trustees and the President’s Office in conjunction with the Dean’s Office. The above stipulations are established by University regulation regarding annualized tuition and fees for professional degree programs.
**Spring Semester: First Eight Weeks**

**3PD**

**PHA 5933 Medication Therapy Management**  
( Spring Semester – first 8 weeks)  
2 credits  
This course is designed to provide student pharmacists with a comprehensive understanding of Medication Therapy Management (MTM) and how to provide these services in a safe, timely, efficient, effective, patient-centric manner. The course will provide insight into the structured framework of providing MTM services consisting of the five core elements including conducting the comprehensive medication review, creating a personalized medication list, medication action plan and physician communication document. These skills are essential for a pharmacist that will be providing MTM services in the community setting as well as specialized settings. You will be asked to integrate knowledge, skills and attitudes while practicing foundational skills including: interviewing a patient, assessing the patient’s complete medication record for medication related problems, developing a plan for resolution of identified problems, as well as communicating your recommendations to the prescriber. Also, as a component of this course, you will have the ability to obtain a certificate in MTM as established by the American Pharmacist Association (APhA) training program: Delivering Medication Therapy Management Services.  
Instructor: Dr. Teresa Roane

**PHA 5933 Motivational Interviewing**  
( Spring Semester – first 8 weeks)  
2 credits  
This elective course expands the students’ knowledge and skills in using motivational interviewing. The student will further develop skills in building rapport with patients and addressing patient’s concerns related to their health and medications. This course will emphasize concepts in patient-centered care and help students recognize appropriate and inappropriate interactions with patients. Students will also evaluate literature on the use of motivational interviewing in clinical practice.  
Instructor: Dr. Michelle Ziegler

**PHA 5737 Drugs and Society**  
( Spring Semester – first 8 weeks)  
2 credits  
This course focuses on the issues surrounding illegal drug use as well as social drug use in society. Students are expected to understand the mechanism of action, adverse drug events, and social adverse outcomes that result from illegal drug use. The pharmacist’s role in drug education and drug abuse prevention is emphasized. The legal enforcement of drug laws is also reviewed. The class has limited enrollment from the 1PD, 2PD, and 3PD class students who express an interest.  
Instructors: Professor Paul Doering, Dr. Sven Normann, Dr. Carol Motycka

**PHA 5554 Clinical Toxicology I – Pharmaceuticals**  
( Spring Semester – first 8 weeks)  
2 credits  
This course will provide a review of the field of toxicology focusing on toxicity produced from pharmaceutical agents. The role of the pharmacist in the evaluation and management of poisoned patients will be emphasized. Topics such as toxidromes, gastrointestinal decontamination, and antidotes will be discussed.  
Instructors: Dr. Dawn Sollee/Coordinator \ Dr. Sven Normann/Facilitator
**PHA 5842 Basic Principles of Pain Management and Communication in Palliative Medicine**  
(Spring Semester – first 8 weeks)  
2 credits  
The purpose of the course is to prepare the student to develop rational drug therapy plans for patients with pain and other symptoms commonly occurring at the end-of-life, as well as develop plans for monitoring pharmacotherapy in these patients. As patients live longer with chronic debilitating illness, pharmacists in all settings will be faced with providing pharmaceutical care in this population. All lectures are pre-taped and converted to streaming video. Students use WebCT to view weekly lecture content. Grades are comprised from 2 live discussion sessions and one final exam.  
Instructor: Dr. Shelley Spradley

**PHA 5933 (temp.) Oncology and Hematology**  
(Spring Semester – first 8 weeks)  
2 credits  
The purpose of this course is to develop in the student an awareness and respect for the uniqueness of cancer patients and their management in the oncology outpatient clinic or inpatient setting. This course is intended to expand the pharmacy student’s knowledge of hematology and oncology disease states and supportive care for cancer patients. The student will develop confidence in dealing with cancer/chemotherapy patients and be able to monitor and provide recommendations for supportive care during chemotherapy. The course will feature both didactic lecture periods and interactive learning sessions.  
Instructors: Drs. Louzon and LaPlant

**ENT 6008 Entrepreneurial Opportunities**  
(Spring Semester – first 8 weeks)  
2 credits  
Not included in annualized tuition and fees. Graduate tuition will be charged extra.  
This course is designed to provide students from all disciplines an introduction to entrepreneurship. The entrepreneurial approach is defined as pursuit of opportunity without regard to initial resources. This view of management requires planning, risk control, leadership, and team building. This is a seven-week module based course. All lectures are pre-taped and converted to streaming video. This is a modular course. (Arnold A. Heggestad, Holloway Professor of Finance and Entrepreneurship, College of Business)

**HUN 6939 Enteral Nutrition**  
(Spring Semester – first 8 weeks)  
2 credits  
Not included in annualized tuition and fees. Graduate tuition will be charged extra. The course goals are to 1. Familiarize student with the basic metabolic and physiological principles of nutrition support using oral feeding of table food and tube feeding of nutrition formulas, 2. Familiarize student with the practical aspects of choosing a commercial enteral formula and administering it to a patient, 3. Develop student’s ability to use the Internet as a learning tool for continuous professional development in the field of enteral nutrition support, and to enhance student’s skills in presenting nutrition information to professional colleagues and to the general public. Course will be completely online using E-Learning. There are weekly written projects and no exams. (Dr. Peggy R. Borum)
Spring Semester: Last Eight Weeks
4PD

**PHA 5177C Advanced Pharmaceutical Compounding** 2 credits
(Spring Semester – first 8 weeks)
compounding techniques from didactic coursework to real world problem-based settings. The class will be divided into two-sections: the lecture portion will focus on newly emerging concepts and, the lab portion will focus on contemporary compounded prescriptions. The student will be assigned a therapeutically relevant problem. In collaboration with the instructors, the student will research the disease state, and the prescribed drug therapy. Students will then design and compound a dosage form to treat the disease state.
Instructor: Dr. Mobley

**PHA 5555 Clinical Toxicology II – Non-pharmaceuticals** 2 credits
(Spring Semester – first 8 weeks) (PHA 5554 not a pre-req!)
This course will cover the adverse consequences of non-drug (plants, envenomations, chemical, etc.) related poisonings and present information on prevention and management.
Instructors: Dr. Dawn Sollee/Coordinator \ Dr. Sven Normann/Facilitator

**PHA 5618 Geriatric Pharmacy** 2 credits
(Spring Semester – first 8 weeks)
This course focuses on the sociological and therapeutic issues that influence drug therapy decision making as well drug therapy monitoring for patients in the elderly years.
Instructors: Dr. Foley/Dr. Vogel Anderson

**PHA 5841 Human Immunodeficiency Virus: Challenges and Treatments** 2 credits
(Spring Semester – first 8 weeks)
This course is intended to expand the pharmacy student’s knowledge of HIV treatment received in the pharmacotherapy series. The students will be able to recommend and monitor treatments for patients who are naïve to antiretroviral therapy as well as those with treatment experience. Additionally, the student will develop confidence in the treatment recommendations for those individuals with occupational, non-occupational and perinatal exposure and timelines of such therapeutic interventions. These skills will be developed by viewing taped lectures and reading primary literature guidelines in conjunction with on-campus patient care discussions.
Instructor: Dr. Huesgen

**HUN 6939 Parenteral Nutrition** 2 credits
(Spring Semester – first 8 weeks)
Not included in annualized tuition and fees. Graduate tuition will be charged extra.
The goals of the course are to 1. Familiarize student with the basic metabolic and physiological principles of parenteral nutrition support; 2. Familiarize student with the practical aspects of writing parenteral nutrition orders and administering it in both the hospital and home settings; and 3. Develop student’s ability to use the Internet as a learning tool for continuous professional development in the field of parenteral nutrition support; 4. Enhance student’s
skills in presenting nutrition information to professional colleagues and to the general public. Course will be completely online using E-Learning. There are weekly written projects and no exams.
Instructor: Dr. Peggy R. Borum

**RESEARCH**

You may always supplement your summer 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** tuition or fee liability attached.

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

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<thead>
<tr>
<th>CREDIT</th>
<th>HOURS IN LAB/WEEK</th>
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<tbody>
<tr>
<td>1</td>
<td>3</td>
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<tr>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
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Hours do not necessarily need to be completed in this weekly fashion. We understand that certain projects cannot adhere to such rigid timelines. Requirements can be met in any combination that suits your instructor, as long as you complete the total hours.

1 credit - 3 hours x 16 weeks = 48 hours
2 credits - 6 hours x 16 weeks = 96 hours
3 credits - 9 hours x 16 weeks = 144 hours

The best place to start is with either your faculty advisor, mentor, or favorite professor, all of whom will be pleased to guide you, based on your interests and skills.
Please reach out to a faculty member that you are interested in doing research with now.
In selecting your elective preferences, you will be requested to provide the name of a faculty member and a project that you plan to accomplish during a research elective.
These sections are departmentally controlled, and we will register you.