SCHOOL OF PHARMACY PROFESSIONAL ELECTIVES
FALL TERM 2231

DISCLAIMER: THIS LIST REPRESENTS THE COURSES WITHIN THE SCHOOL OF PHARMACY THAT ARE SCHEDULED IN THE FALL 2022 SEMESTER. FOR APPROVED ELECTIVES OUTSIDE OF THE SCHOOL OF PHARMACY, PLEASE SEARCH FOR CLASS AVAILABILITY IN PEOPLESOF T - https://psmobile.pitt.edu/app/catalog/classSearch

PHARM 3068  Computational Systems Pharmacology
CLASS NUMBER: 31823
Credits: 3
Coordinator:  Dr. Z. Feng
Enrollment Cap: 35 students

This course will teach the fundamentals of computational systems pharmacology (CSP) modeling and their applications to study drug actions and rational development of new drugs through network analysis. Theoretical concepts pertaining to computational systems pharmacology, such as drug target identification and computer aided drug design (CADD), will be taught. The course also includes hands-on training with the mainstream network analysis and CADD software, such as Symbiology of Matlab, Tetrad, drug discovery package of Schrodinger. This is a mandatory course to be taken for the PSP program.

PHARM 5801  Pharmaceutical Care to Underserved Populations
CLASS NUMBER: 13323
Credits: 3
Coordinator:  Dr. Connor
Enrollment Cap: 8 students

A sequence of courses that address issues related to providing pharmaceutical care to underserved populations. Topic areas that will be addressed include: Psychosocial Factors Impacting Health, Political and Economic Influences on Health Care Access, Community Advocacy and Resources, Patient Assessment, Clinical Problem Solving Skills, Pharmacotherapy Management, and Patient Education. Students will have opportunities for interdisciplinary care and educational sessions. Enrollment preference will be given to Global Health ARCO students.

PHARM 5806  Pediatric Pharmaceutical Care
CLASS NUMBER: 21003
Credits: 2
Coordinator:  Dr. Howrie
Enrollment Cap: 15 students

Provides students with opportunities to acquire the knowledge and skills necessary to provide pharmaceutical care to pediatric patients of all ages.

PHARM 5812  Healthcare Innovations 1
CLASS NUMBER: 13327
Credits: 1.5
Coordinator:  Dr. Pringle
Enrollment Cap: 16 students

Students will be able to effectively participate in a healthcare innovation application team as either a leader or participant that results in the application of an evidence-based healthcare innovation, which leads to improved patient care. Students will be able to develop detailed and effective strategic frameworks from which they can outline and track their progress in implementing a healthcare innovation.

PHARM 5815  Concepts of Managed Care Pharmacy
CLASS NUMBER: 16628
Credits: 2
Coordinator:  Dr. Campbell
Enrollment Cap: 20 students

The purpose of this course is to understand the fundamental concepts in managed care pharmacy and the relation to the healthcare system. This course supports the school’s mission by enabling students to better navigate and understand the healthcare system from the perspective of different stakeholders to help optimize pharmaceutical care. Restricted to P3 students. Instructor’s permission is required. Please submit a one paragraph e-mail to Dr. Campbell, campbellvj2@upmc.edu, to explain your interest in managed care and why you want to enroll in the class.
PHARM 5818  Medical Parasitology  Credits: 1  
CLASS NUMBER: 21267  
Coordinator: Dr. P. Schiff  
Enrollment Cap: 12 students  

Course offers a concise presentation of the protozoan and helminthic parasites of medical importance, with an emphasis on parasitic morphology and life cycle, disease transmission, pathogenesis, prophylaxis, therapy and epidemiology.

PHARM 5820  Pharmacy Innovation 1  Credits: 1  
CLASS NUMBER: 19869  
Coordinator: Dr. R. Patel  
Enrollment Cap: 30 students  

Course provides basic insights into issues that affect the care of patients in the community through discussions of contemporary topics and further develops the student’s skills in research by continuing the analysis and reporting of projects from community pharmacy health service research 2. Specifically, students will enhance their critical thinking skills by examining the drivers for specific contemporary issues (e.g. pharmacist role in an accountable-care organization) and by learning to ask testable scientific questions.

PHARM 5831  Healthcare for the LGBTQIA Community  Credits: 2  
CLASS NUMBER: 23697  
Coordinator: Dr. Grieve  
Enrollment Cap: 15 students  

This course will prepare the student to assess and guide comprehensive medical treatment for LGBTQIA individuals. Students will learn about cultural competency and inclusive language, screening and diagnosis, gender affirmation, primary and preventative care, and advocacy.

PHARM 5837  Intro to Psychopharmacology & Psychiatric Disorders  Credits: 3  
CLASS NUMBER: 26754  
Coordinator: Dr. Fabian  
Enrollment Cap: 24 students  

This course will serve as an introduction to psychopharmacology and the management of common psychiatric disorders including substance use disorders. This course is designed to familiarize students with the fundamentals of pharmacological as well as non-pharmacological treatment from a historical, sociological and practice perspective. This course aims to increase mental health literacy and enhance practitioner competency while elucidating the roles of healthcare providers within an interprofessional team framework. This is an introductory course. No prerequisites are required.

PHARM 5838  Improvisation for Clinicians  Credits: 1  
CLASS NUMBER: 28995  
Coordinator: Dr. Pater  
Enrollment Cap: 10 students  

Principles of improvisation are surprisingly applicable in clinical settings. The central tenant of improv is acceptance. Using the core philosophy of “Yes, and”, improvisers learn to listen, accept, and empathize. Clinicians must also use these same skills to communicate with their patients and empathize with them. Improvisers use teamwork and spontaneity to build scenes. Clinicians must collaborate learn to calmly handle unexpected scenarios. Improvisers use techniques and exercises to hone these skills, which, for clinicians, can lead to better patient interactions, collaboration, presentation skills, and even lower stress. We will learn about the principles of improv, exercises used to develop skills, and how improv training has been applied in clinical settings. **Restricted to P2 and P3 students.**
Independent/Directed Study Options:

PHARM 5851 – 5858 Special Topics 1 – 8
CLASS NUMBERS: TBD
Time: As arranged with faculty

Credits: 1 - 3
Coordinator: Varies
Enrollment Cap: Varies

Student has the opportunity to explore a pharmaceutical research or pharmaceutical care topic on an individual or small group basis with the oversight of a faculty member. Generally, the successful completion of a project is required. Student must apply using the Special Topics Web App. More information can be found in the PharmD Handbook under Special Topics - http://pages.pharmacy.pitt.edu/pharmdhandbook/special-topics-courses/.