PHARMACY PRACTICE (PHM PRAC)

PHM PRAC 305 — CONSUMER SELF-CARE AND OVER-THE-COUNTER DRUGS
2 credits.

Provides learners with information regarding self-care of common, minor health conditions. Emphasis on: illness prevention, health condition symptoms, guidelines for over-the-counter product use, adverse effects and alcohol/drug interactions of over-the-counter products, when to request professional care. Enroll Info: None
Requisites: Not open to students declared in the Nursing, Physician Assistant, or Doctor of Pharmacy programs
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 426 — PHARMACY PRACTICE EXPERIENCE I
1 credit.

Designed to introduce student pharmacists to many aspects of pharmacy practice. Participate in a wide-variety of activities to expose them to the role of the pharmacist and the many patient care opportunities that exist in and out of the community pharmacy practice setting. Observe pharmacists in a community pharmacy. Gain a broad understanding of the pharmacist’s public health role. Actively participate in assigned teams in a longitudinal experience with an assigned older adult in the community. All of these experiences will be guided by a modified continuing professional development framework (prepare, plan, do, reflect). Enroll Info: None
Requisites: PHARMACY 423
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 438 — NONPRESCRIPTION MEDICATIONS AND SELF-CARE
2 credits.

Develop knowledge and skills needed to perform triage and make self-care and therapeutic recommendations for self-limiting health conditions commonly encountered in pharmacy practice. Enroll Info: None
Requisites: Declared in the Doctor of Pharmacy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

PHM PRAC 461 — PATHWAYS IN PHARMACY PRACTICE
1 credit.

Introduction to, and exploration of, contemporary pharmacy practice settings and interprofessional practice, including opportunities for career advancement. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 462 — PROFESSIONAL DEVELOPMENT AND ENGAGEMENT I-DEVELOPING YOUR PROFESSIONAL IDENTITY
1 credit.

Assists students with career exploration and recognition of how their knowledge, skills, abilities and values further their professional development. Helps students to (1) identify cultural disparities and inequities in access to quality healthcare; (2) demonstrate mutual respect and understanding towards healthcare team members to effectively collaborate and accomplish shared patient-related goals; (3) identify and prepare for future training and employment opportunities; (4) communicate their personal values, skills, and strengths; (5) implement the Continuous Professional Development Model for reflecting, learning, and evaluating progress throughout their career; and (6) act and communicate in a manner consistent with the trust given to pharmacists by patients, other healthcare providers, and society. Enroll Info: None
Requisites: PHM PRAC 461
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 463 — PROFESSIONAL DEVELOPMENT AND ENGAGEMENT II- CULTIVATING SELF-AWARENESS
1 credit.

Assist students to develop self-awareness and recognize how their knowledge, skills, abilities, and values further their professional development. Helps students to (1) describe concepts of self-awareness, self-observation, and self-insight to demonstrate behaviors that regulate emotions; (2) identify personal strengths and practice communicating these strengths to potential employers and preceptors; (3) create a professional curriculum vitae, cover letter, professional online profile (Linkedin), and elevator speech to utilize during yearly Career Fair with employers and preceptors; (4) engage with other professional students to maintain a climate of mutual respect and shared values; (5) discuss cultural diversity and individual differences that characterizes patients, populations, and the health care team; and (6) demonstrate reflective behaviors and goal settings for academic and professional growth. Enroll Info: None
Requisites: PHM PRAC 461 and 462
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021
**PHM PRAC 464 — PROFESSIONAL DEVELOPMENT AND ENGAGEMENT III: PROMOTING PROFESSIONAL ENGAGEMENT**

1 credit.

Assist students in becoming more engaged with the profession of pharmacy. Helps students to (1) describe concepts of professional engagement, advocacy, resiliency, and burnout; (2) demonstrate behaviors that regulate personal emotions and exhibit professionalism; (3) explain emotional intelligence and demonstrate effective communication skills to build professional relationships; (4) identify areas of interest related to professional engagement and patient advocacy; (5) complete related co-curricular activities for reflection on personal and professional growth; (6) engage diverse professionals to develop strategies to meet specific health and healthcare needs of patients and populations; (7) use the full scope of knowledge, skills, and abilities of professionals from health and other fields to provide care that is safe and equitable; and (8) engage in continuous professional and interprofessional development to enhance team performance and collaboration. Enroll Info: None  
Requisites: PHM PRAC 461, 462, and 463  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 465 — PROFESSIONAL DEVELOPMENT AND ENGAGEMENT IV: EMBRACING CONTINUOUS PROFESSIONAL DEVELOPMENT**

1 credit.

Develop professional identity and become more engaged with the profession of pharmacy. Use the full scope of knowledge, skills, and abilities of professionals from health and other fields to provide care that is safe and equitable, and engage in continuous professional and interprofessional development to enhance team performance and collaboration. Enroll Info: None  
Requisites: PHM PRAC 464  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 467 — INTERPROFESSIONAL COLLABORATIVE PRACTICE IN HIV CARE**

1 credit.

Gain foundational knowledge and skills in interprofessional collaborative practice and HIV care through this unique learning opportunity. Utilizes a blended learning model, and includes in-person sessions, online learning, and supervised clinical experiences. Course participation occurs as part of an interprofessional student team. Enroll Info: None  
Requisites: Declared in Nursing BSN (Traditional, Collaborative, Accelerated), Social Work BSW, Medicine MD, Pharmacy PharmD, or Social Work MSW.  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 468 — INTRODUCTION TO PHARMACY INFORMATICS**

1 credit.

Introduction to Pharmacy Informatics, the scientific field that utilizes a systems approach to medication-related data and information, including its acquisition, storage, analysis, and dissemination, in the delivery of optimal medication-related patient care and health outcomes. Enroll Info: None  
Requisites: Declared in the Doctor of Pharmacy program  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 469 — HEALTH EQUITY & SOCIAL JUSTICE FOR HEALTHCARE PROVIDERS**

2 credits.

Social justice seminar focusing on diversity, equity, inclusion, and leadership in the health professions. Focus on historical and contemporary issues in the healthcare system and equip students to develop the awareness, skills, and applied behaviors to impact healthcare inequities at the micro and macro level. Enroll Info: None  
Requisites: Nursing BSN (Traditional, Accelerated or Collaborative), senior standing and declared in Health Promotion and Health Equity BS, or graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Spring 2022

**PHM PRAC 471 — EXPLORING PHARMACY PEER MENTOR SEMINAR**

1 credit.

A mentoring, leadership and facilitation class for pharmacy student peer mentors who are assisting instructors of the Exploring Pharmacy courses. Enroll Info: None  
Requisites: Declared in Doctor of Pharmacy program  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Spring 2022

**PHM PRAC 490 — SELECTED TOPICS IN PHARMACY PRACTICE**

1-4 credits.

Specialized Pharmacy subject matter of current interest to undergraduate and professional students. Enroll Info: None  
Requisites: Declared in Doctor of Pharmacy program  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Spring 2022
PHM PRAC 526 — PHARMACY PRACTICE EXPERIENCES II
1 credit.

The second experience of a three-year Introductory Pharmacy Practice Experiences (IPPEs) sequence. Provides opportunities to integrate learning from prior didactic courses such as The Role of the Pharmacist in the Public Health System, Managing Pharmacy Systems for Patient Care, current pharmacotherapy courses, and a previous community IPPE, into observation and discussion of the provision of patient care. Participate in a wide-variety of activities to expose them to the role of the pharmacist and patient care opportunities that exist in and out of the pharmacy practice setting. Focus on the provision of care in an institutional setting along with a variety of pharmacy practice settings which fall under an elective category. Continued exposure to the Pharmacist Patient Care Process (PPCP), which is a framework for providing patient care in a pharmacy practice setting. Enroll Info: None
Requisites: PHM PRAC 426
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 550 — FLUID AND ELECTROLYTE THERAPY
2 credits.

Clinical management of disorders of fluid, electrolytes, and acid-base in patients with normal and abnormal homeostatic mechanisms. Also included is parenteral nutritional support. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 551 — CLINICAL PHARMACOKINETICS
1 credit.

Clinical pharmacokinetics includes the application of pharmacokinetics and drug action to the selection and titration of medications. The course includes consideration of patient, disease, and drug factors that affect the concentrations of a medication and its effect, duration of effect, and elimination from the body. Calculation exercises include empiric dose selection and modification of doses based upon therapeutic drug monitoring. Enroll Info: None
Requisites: PHM SCI 421
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 553 — INTEGRATED PHARMACOTHERAPY SKILLS I
1 credit.

Learn pharmacotherapeutic skills necessary to develop competence as a pharmacist to assume the responsibility to improve therapeutic patient outcomes related to medication use. Skills will include patient communication, identification and resolution of drug related problems, and documentation. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with second year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 554 — INTEGRATED PHARMACOTHERAPY SKILLS II
1 credit.

Learn pharmacotherapeutic skills necessary to develop competence as a pharmacist to assume the responsibility to improve therapeutic patient outcomes related to medication use. Skills will include patient and provider communication, identification and resolution of drug related problems, and documentation. Enroll Info: None
Requisites: PHM PRAC 553 and 555
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 555 — PHARMACOTHERAPY I
2 credits.

Clinical application of medications in the management of various neurologic and psychiatric disease states. Assessment and therapeutic monitoring of drug therapy with emphasis on the concepts of drug selection, monitoring of drug effect and titration of regimen. The content also incorporates issues regarding pharmacokinetics/dynamics, drug interactions, pharmacy practice, and patient counseling. Enroll Info: None
Requisites: PHM SCI 421
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 556 — PHARMACOTHERAPY II
3 credits.

Clinical application of medications in the management of various disease states. Assessment and therapeutic monitoring of disease states and drug therapy using the concepts of pharmacokinetics/dynamics, drug interactions, pharmacy practice and patient counseling. Topics include cardiovascular and pulmonary therapeutics. Enroll Info: None
Requisites: PHM PRAC 553 and 555
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 559 — INTRODUCTION TO ANTIMICROBIAL PHARMACOTHERAPY
1 credit.

Preparation for antimicrobial exposure and monitoring during internships to ensure safe and effective patient use of antimicrobials. Exposure to antibiotic-related drug information questions in the community and institution settings and review of primary literature to respond to these questions. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with second year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020
PHM PRAC 560 — SEMINARS IN ANTIMICROBIAL STEWARDSHIP
2 credits.
Gain foundational knowledge of the societal implications of antimicrobial resistance and the basic tenets of antimicrobial stewardship in multiple practice settings. Apply these tenets by developing antimicrobial stewardship intervention(s) and design measurement of associated outcomes. Enroll Info: None
Requisites: Declared in the Doctor of Pharmacy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 570 — DRUG LITERATURE EVALUATION
3 credits.
Fundamentals of drug literature and statistical evaluation to enable students to make decisions regarding the clinical use of drugs in their practice. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with second year standing
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC/NURSING 605 — PHARMACOTHERAPEUTICS FOR ADVANCED PRACTICE NURSES
3 credits.
Pharmacotherapeutics content and application for advanced practice nursing. Emphasis on selection of appropriate therapeutics, development of clinical decision-making skills, and examination of legal, ethical, and safety issues in prescribing medications. Enroll Info: None
Requisites: Declared in a School of Nursing graduate program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 610 — LEADERSHIP IN HEALTH-SYSTEM PHARMACY
2 credits.
Designed to expose students to personal leadership qualities essential to operate efficiently within an integrated health care delivery system and advance the profession and practice of pharmacy. Students will gain a foundation to become future pharmacy leaders through an understanding of pharmacy's continual evolution in the changing health care environment. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 611 — MEDICAL IMAGING FOR PHARMACISTS
2 credits.
An overview of the imaging modalities offered in a Hospital Radiology Department. Completion of this course will help students understand the concepts of radiation, how it is used, and some of the tests and medications a patient may encounter when in the Radiology Department of a hospital. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 612 — RADIOPHARMACEUTICALS
2 credits.
A survey of the clinical diagnostic and therapeutic use of radioactive pharmaceuticals. Included is a review of nuclear physics, radiation biology, radiation chemistry, regulatory issues, and radiation safety, as these areas relate to the synthesis, formulation, dispensing, and administration of radiopharmaceuticals. Enroll Info: None
Requisites: PHM PRAC 611
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 617 — HEALTH SYSTEM PHARMACY DATA ANALYSIS AND INFORMATICS
2 credits.
Weekly lectures will familiarize the student with pharmacy information systems and the use of data and data processing systems for decision support. Students will complete a data analysis and report project to drive a decision in the hospital. Enroll Info: None
Requisites: Graduate standing or declared in the Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 625 — PHARMACY PRACTICE EXPERIENCES III
2 credits.
Integrates didactic learning with active participation in a wide-variety of patient-care activities under the supervision of a pharmacist preceptor including medication reconciliation, patient consultation, complex medication reviews, documentation, therapeutic drug monitoring and calculations. Continued exposure to the Pharmacist Patient Care Process (PPCP), which is a framework for providing patient care in a pharmacy practice setting. Enroll Info: None
Requisites: PHM PRAC 526
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021
PHM PRAC 626 — INTRODUCTORY PHARMACY PRACTICE EXPERIENCE VI
2 credits.

Experiences provided by this course permit students to integrate learning from previous didactic courses (drug literature review, pharmacotherapy, and patient/provider communications) into caring for patients. Students actively participate in patient care activities while under the supervision of a clinical instructor. Enroll Info: None
Requisites: PHM PRAC 625
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 628 — PRACTICE INNOVATION I
1 credit.

Application of foundational knowledge of project management to hands-on experiences planning positive change within the health care system. Students will learn to think strategically, to critically assess a problem, identify solutions, and implement change. Students will integrate concepts in their practice area of interest with the project management skills learned in this course. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 629 — PRACTICE INNOVATION II
1 credit.

Expand upon the knowledge gained in Practice Innovation I to produce positive change within the health care system. Students will integrate concepts in their practice area of interest with the project management skills learned placing special emphasis on project implementation, measurement, and articulation of results. Enroll Info: None
Requisites: PHM PRAC 628
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 638 — NONPRESCRIPTION PRODUCTS & SELF-CARE
2 credits.

Provides students with knowledge and skills needed to perform triage and make self-care and therapeutic recommendations for self-limiting health conditions commonly encountered in pharmacy practice. Enroll Info: None
Requisites: PHM PRAC 554, 556 and PHMCOL-M/PHM SCI 522
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 650 — COMPREHENSIVE IMMUNIZATION DELIVERY
1 credit.

Addresses vaccine-preventable diseases and the implementation of pharmacy-based immunization delivery programs. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with second year standing
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 653 — INTEGRATED PHARMACOTHERAPY SKILLS III
1 credit.

Learn and build upon pharmacotherapeutic skills necessary to develop competence as a pharmacist to assume the responsibility to improve therapeutic patient outcomes related to medication use. Skills will include patient and healthcare provider communication, identification and resolution of drug related problems, documentation, and complex problem solving skills. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 654 — INTEGRATED PHARMACOTHERAPY SKILLS IV
1 credit.

Learn and build upon pharmacotherapeutic skills necessary to develop competence as a pharmacist to assume the responsibility to improve therapeutic patient outcomes related to medication use. The course will focus on building complex problem solving skills including the integration of patient and provider communication, documentation, and evaluation of integrated patient cases with a secondary focus on patient profile review and comprehensive medication review and assessment. Enroll Info: None
Requisites: PHM PRAC 653 and 655
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 655 — PHARMACOTHERAPY III
3 credits.

Clinical application of medications in the management of various disease states. Assessment and therapeutic monitoring of disease states and drug therapy using the concepts of pharmacokinetics/dynamics, drug interactions, pharmacy practice and patient counseling. Topics include various renal, endocrine, gastrointestinal, rheumatologic and immunologic disease therapeutics. Enroll Info: None
Requisites: PHM PRAC 554 and 556
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 656 — PHARMACOTHERAPY IV
3-4 credits.

Clinical application of medications in the management of various disease states. Assessment and therapeutic monitoring of disease states and drug therapy using the concepts of pharmacokinetics/dynamics, drug interactions, pharmacy practice and patient counseling. Topics include various oncology and infectious disease therapeutics. A one credit elective option will be offered to students and involves academic leadership skill development. Student leaders will lead discussion activities which involve clinical cases, scientific literature review, oncology literature discussions. Enroll Info: None
Requisites: PHM PRAC 653, 655 and PHM SCI 623
Repeatable for Credit: No
Last Taught: Spring 2022
PHM PRAC 657 — SEMINARS IN PEDIATRIC PHARMACOTHERAPY
2 credits.
Addresses the selection, dosing, and monitoring of drugs in children from birth to adolescence. Drugs in pregnancy and lactation are also addressed. The course combines lecture, small group work, and discussion. Enroll Info: None
Requisites: PHM PRAC 656 or concurrent enrollment
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 659 — INFECTIOUS DISEASES PHARMACOTHERAPY IN THE ACUTE CARE SETTING
1 credit.
Antimicrobial Stewardship has emerged as an important component of patient care in both inpatient and outpatient settings. Pharmacists can play an essential role in Antimicrobial Stewardship through application of knowledge in pharmacology, therapeutics, pharmacokinetics, microbiology, and biotechnology, most often expressed in the acute care setting, where patient health status and therapeutic decision making are ongoing. Addresses the ever-changing skill set required for pharmacists to understand therapeutic options and make effective interventions in the care of infected patients. Emphasis is placed on new treatment modalities as well as challenging the status quo of conventional management principles. Enroll Info: None
Requisites: PHM PRAC 655
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 668 — SEMINARS IN CRITICAL CARE
2 credits.
Addresses the pharmacotherapeutic management of various critical care conditions. Guest lectures, primary literature review, patient case discussions, student-led presentations, and small group work will be utilized. Enroll Info: None
Requisites: PHM PRAC 550, 555, 556, and 655
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 670 — VETERINARY THERAPEUTICS
1-2 credits.
Presentation and discussion of topics that involve the therapeutic management of disease states of companion, food, and exotic animals. Emphasis is placed upon the principles of drug regulations, drug therapy, toxicology, and available commercial products. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC 671 — INTRODUCTION TO ACADEMIC PHARMACY I
2 credits.
Introduces students to pharmacy faculty responsibilities. Students will participate in a variety of activities to expose them to the role of the pharmacy educator and will actively participate in the education of DPH-1 or DPH-2 students. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021

PHM PRAC/NUTR SCI 672 — HERBALS, HOMEOPATHY, AND DIETARY SUPPLEMENTS
2-3 credits.
Covers regulations and clinical science regarding the use of herbals, homeopathic remedies, and dietary supplements, focusing on peer-reviewed studies and integration with allopathic drugs; includes discussion of marketing issues. Enroll Info: None
Requisites: (PHM SCI 432 or BIOCHEM 501 or BMOLCHEM 314) and ANAT&PHY 335
Repeatable for Credit: No
Last Taught: Spring 2016

PHM PRAC 673 — SEMINARS IN GLOBAL HEALTH PHARMACY
1 credit.
Explores the contribution of pharmacy and pharmacists to global health initiatives. Topics will be selected and presented by course faculty and students. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program
Repeatable for Credit: No
Last Taught: Spring 2021

PHM PRAC/NURSING 674 — SEMINARS IN INTERPROFESSIONAL MENTAL HEALTH CARE
2 credits.
Addresses the team-based and patient-centered care of persons with mental health conditions. A special focus will be put on the management of psychotropic medication regimens. A combination of lecture, discussion, and small group work will be utilized. Enroll Info: None
Requisites: PHM PRAC 555
Repeatable for Credit: No
Last Taught: Spring 2021

PHM PRAC 677 — SEMINARS IN CARDIOLOGY
2 credits.
Seminars, primary literature review, and patient case discussions on selected cardiovascular conditions, including: ACS, HF, valvular disease, cardiac devices, hemodynamic monitoring, heart transplantation, arrhythmias, ACLS, pulmonary arterial hypertension, stroke, and metabolic syndrome. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with third year standing
Repeatable for Credit: No
Last Taught: Fall 2021
**PHM PRAC 678 — SEMINARS IN ONCOLOGY**  
1 credit.

Addresses practical issues surrounding the optimization of medication use in the treatment of patients with cancer. Practical solutions to the everyday challenges of providing exceptional clinical oncology care in a safe, fiscally responsible manner to optimize clinical outcomes of patients with cancer. Included subjects range across clinical, operational, and practice management issues that affect oncology pharmacy practice. These subjects include: pharmacogenomics, cell therapies, oncology research, survivorship, oral chemotherapy management, hazardous drug handling, value of cancer care, specialty pharmacy and Risk Evaluation and Mitigation Strategy (REMS) processes, and transitions of care. Although focused on oncology patients, offers practical exposure to issues confronting the care of patients with other types of diseases. Enroll Info: None  
Requisites: Declared in the Doctor of Pharmacy Program with third year standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 679 — ADVANCED DIABETES MANAGEMENT**  
2 credits.

Enhanced education on diabetes topics; current approaches to the medical management of patients with diabetes including the pharmacist’s role in diabetes education and coaching/case management. Enroll Info: None  
Requisites: PHM PRAC 655 or (NURSING 312 and NURSING 422)  
Repeatable for Credit: No  
Last Taught: Spring 2022

**PHM PRAC 691 — SENIOR THESIS**  
2 credits.

Individual study for seniors completing theses as arranged with a faculty member. Enroll Info: None  
Requisites: Consent of instructor  
Repeatable for Credit: No  

**PHM PRAC 692 — SENIOR THESIS**  
2 credits.

Individual study for seniors completing theses as arranged with a faculty member. Enroll Info: None  
Requisites: Consent of instructor  
Repeatable for Credit: No  

**PHM PRAC 699 — ADVANCED INDEPENDENT STUDY**  
0-3 credits.

Directed study projects as arranged with a faculty member. Enroll Info: None  
Requisites: Consent of instructor  
Course Designation: Level - Advanced  
L&S Credit - Counts as Liberal Arts and Science credit in L&S  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Summer 2022

**PHM PRAC 740 — ACUTE PHARMACEUTICAL CARE CLERKSHIP**  
1-6 credits.

Integrates prior didactic course work in pharmacotherapy, pathophysiology, and drug literature evaluation into the provision of pharmaceutical care to hospitalized patients. Participate in the provision of direct pharmaceutical care, by monitoring drug therapy, providing patient counseling, and providing drug information and pharmacokinetic dosing recommendations for patients. Gain experience and insight into health education by interacting with other health professionals and health-professions students. Enroll Info: None  
Requisites: Declared in Doctor of Pharmacy program with fourth year standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Summer 2022

**PHM PRAC 741 — AMBULATORY PHARMACEUTICAL CARE CLERKSHIP**  
1-6 credits.

Integrates prior course work in pharmacotherapy, pathophysiology, and drug literature evaluation into the provision of pharmaceutical care to ambulatory patients. Activities include conducting patient interviews and assessments, providing drug information to patients and health professionals, and monitoring drug therapy in ambulatory settings. Enroll Info: None  
Requisites: Declared in Doctor of Pharmacy program with fourth year standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Summer 2022

**PHM PRAC 742 — HEALTH-SYSTEM PHARMACY PRACTICE CLERKSHIP**  
1-6 credits.

Integrates prior didactic course work into the provision of care and the development and delivery of services for hospitalized patients. Exposure to the five pillars of the medication use system (prescribing, transcribing, dispensing, administering, monitoring), plus procurement/storage along with the hospital services and processes that support them. Includes exposure to hospital-based services/programs/committees such as investigational drugs, Pharmacy and Therapeutics, quality/performance improvement (MUE), technologies, and personnel management. Exposure to best-practices, regulatory, legal, and accreditation standards/requirements that influence the quality and delivery of care to hospitalized patients. Enroll Info: None  
Requisites: Declared in Doctor of Pharmacy program with fourth year standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Summer 2022
PHM PRAC 743 — COMMUNITY PHARMACY PRACTICE CLERKSHIP
1-6 credits.
Develops the skills and judgment necessary to apply the knowledge gained in the basic and clinical sciences to specific patient care situations. In addition, demonstrates the philosophy that clinical (APPE) and distributive pharmaceutical services should be patient oriented and integrated in contemporary ambulatory practice. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with fourth year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Summer 2022

PHM PRAC/NURSING/SOC WORK 746 — INTERDISCIPLINARY CARE OF CHILDREN WITH SPECIAL HEALTH CARE NEEDS
3 credits.
Interdisciplinary team care of children with special health care needs across the trajectory of illness presented within the context of family, culture, social determinants of health, community, and healthcare policy. Students introduced to interdisciplinary, collaborative, family-centered team care. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 760 — ELECTIVE PHARMACY PRACTICE CLERKSHIP
1-6 credits.
Experiential course that integrates prior course work in pharmacotherapy, pathophysiology, and drug literature evaluation into the provision of pharmaceutical care to ambulatory patients. Students will conduct patient interviews and assessments, provide drug information to patients and health professionals, and monitor drug therapy in ambulatory settings. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with fourth year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Summer 2022

PHM PRAC 764 — VETERINARY PHARMACY CLERKSHIP
1-6 credits.
Practical experience in a veterinary medicine environment with emphasis on the drug treatment of diseases in animals. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with fourth year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PHM PRAC 769 — CLINICAL RESEARCH AND PHARMACY INVESTIGATION CLERKSHIP
1-6 credits.
Gain experience with clinical and translational research in a mentored situation. Learn study design, laboratory techniques, statistical analysis, manuscript preparation, and ethical principles of research. Enroll Info: None
Requisites: Declared in Doctor of Pharmacy program with fourth year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Summer 2022

PHM PRAC 961 — GRADUATE SEMINAR IN HEALTH-SYSTEM PHARMACY
1 credit.
Specialized subject matter of current interest to graduate students in the MS Pharmacy Administration program. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2021

PHM PRAC 962 — GRADUATE SEMINAR IN HEALTH-SYSTEM PHARMACY
1 credit.
Specialized subject matter of current interest to graduate students in the MS Pharmacy Administration program. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2022

PHM PRAC 999 — ADVANCED INDEPENDENT STUDY
1-12 credits.
Directed study projects for graduate students as arranged with a faculty member. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2022