PHRD 510 - Pharmacy Seminar I
Credit: 0.0 hours
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.

PHRD 511 – Biomedical Foundations
Credit: 4.0 hours
This course is designed to give the student pharmacist a strong foundation in biochemical principles and metabolic pathways at the molecular and cellular levels; cellular and tissue physiology and basic anatomical structures; and aspects of medically-related microbiology.

PHRD 512 – US Health Care
Credit: 1.5 hours
This course will focus on introducing the student pharmacist to the US Healthcare System and its components, the profession of pharmacy and the expanding collaborative roles of pharmacists in the healthcare system, and contrast the US Healthcare System to systems from different countries.

PHRD 513 – Pharmacy Practice Skills I
Credit: 0.5 hours
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student pharmacist for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 514 – Personal/Professional Development I
Credit: 0.5 hours
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This course is taught longitudinally throughout all three years of the didactic curriculum, and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 515 - Pharmaceutics, Pharmacokinetics & Calculations I (PPC I)
Credit: 1.5 hours
This course exposes the student pharmacist to fundamental pharmaceutical calculations encountered in pharmacy practice and serves as a foundation for the future concepts in pharmaceutics and pharmacokinetics.

PHRD 516 – Drug Information
Credit: 1.0 hour
This course is designed to introduce the student pharmacist to sources of drug information and how it is used in pharmacy practice and in the pharmaceutical industry. Student pharmacists will gain practical experience utilizing drug information resources to answer basic and moderately complex biomedical questions. This experience provides student pharmacists with a foundation for developing skill sets related to drug information, literature evaluation, and communication.
PHRD 521 - Pharmaceutical Sciences Foundations  
Credit: 3.0 hours  
This course is designed to incorporate the principles of pharmaceutics, pharmacokinetics, medicinal chemistry, and pharmacology to provide the student pharmacist with a foundation in the Pharmaceutical Sciences that is critical to the understanding of Pharmacotherapy. This course will emphasize the physicochemical properties of drugs and their effects on drug handling and biological activity.

PHRD 522 - Nonprescription Pharmacotherapy  
Credit: 3.0 hours  
This course is a study of various nonprescription (OTC) products commonly found in community pharmacy practice. Emphasis is placed on the problem-solving process involved in patient assessment, triaging of serious healthcare problems and referral to other healthcare settings as appropriate, therapeutic intervention, product recommendation(s), and patient education regarding health promotion and disease management with nonprescription medications. Student pharmacists will have to tailor product selection to special populations, including children, geriatrics, patients with certain medical conditions, etc. when appropriate. Student pharmacists will also learn and apply skills in patient interviewing techniques and medication counseling through the use of mock patients and simulated patients.

PHRD 523 - Pharmacy Practice Skills II  
Credit: 0.5 hours  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student pharmacist for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 524 - Personal and Professional Development II  
Credit: 0.25 hours  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 525 - Pharmaceutics, Pharmacokinetics & Calculations II (PPC II)  
Credit: 2.0 hours  
This course covers the basics of Pharmacokinetic and biopharmaceutic concepts to enable student pharmacists monitor drug concentrations effectively.

PHRD 526 – Drug Information II (Introduction to Evidence-Based Medicine)  
Credit 1.0 hour  
This course is designed to further develop proficiency in literature evaluation and the application of biomedical knowledge to individual patients. This experience will provide a foundation for the utilization of literature to support evidence-based decision making and refine student pharmacist’s ability to communicate complex biomedical information.

PHRD 530 Pharmacy Seminar II  
Credit: 0.0 hours  
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.
PHRD 531 - Integrated Pharmacotherapy I: Infection & Immunity  
Credit: 5.5 hours  
This course is designed to integrate biomedical sciences, pharmaceutical sciences, and clinical therapeutics with an emphasis on pharmacotherapeutic management of infectious diseases and the immune system. The student pharmacist will learn about the structure and function of the human body as well as medications and their effects on the body. The student pharmacist will apply this knowledge to develop appropriate, evidence-based pharmacologic and non-pharmacologic therapeutic plans that include monitoring parameters for both acute and chronic disease processes.

PHAR 532 - Medical Literature Evaluation I  
Credit: 1.0 hour  
This course is designed to teach the basic background skills necessary to evaluate and effectively communicate medical literature.

PHRD 533 – Pharmacy Practice Skills III  
Credit: 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student pharmacist for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 534 - Personal and Professional Development III  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 535 - Pharmaceutics, Pharmacokinetics & Calculations III (PPC III)  
Credit: 2.0 hours  
This course is designed to provide the student pharmacist with a basic understanding of medicinal products’ physical and chemical properties and how these properties influence the design of dosage forms. It will enable the student pharmacist to become proficient in general compounding techniques and provides a basic knowledge of dosage formulation. A weekly laboratory is designed to enhance the technical capability of student pharmacists in this area of practice.

PHRD 541 - Integrated Pharmacotherapy II: Endocrine  
Credit: 5.0 hours  
This course is designed to integrate biomedical sciences, pharmaceutical sciences, and clinical therapeutics with an emphasis on pharmacotherapeutic management of the reproductive, genitourinary and endocrine systems. The student pharmacist will learn about the structure and function of the human body as well as medications and their effects on the body. The student pharmacist will apply this knowledge to develop appropriate, evidence-based pharmacologic and non-pharmacologic therapeutic plans that include monitoring relevant parameters for both acute and chronic disease processes.

PHRD 542 - Medical Literature Evaluation II  
Credit: 1.0 hour  
This course is designed to reinforce basic skills and teach intermediate level skills necessary to evaluate and effectively communicate medical literature. Through journal club active learning sessions, emphasis will be placed upon learning how to evaluate medical literature and apply this literature to patient care.
PHRD 543 – Pharmacy Practice Skills IV  
Credit: 0.5 hour  
This course is intended to provide students-pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student pharmacist for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 544 - Personal and Professional Development IV  
Credit 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 545 - Pharmaceutics, Pharmacokinetics & Calculations IV (PPC IV)  
Credit: 3.0 hours  
This course is a continuation of PHRD 535, and is designed to provide the student with a basic understanding of medicinal products’ physical and chemical properties of and how these properties influence the design of dosage forms. It will enable the student pharmacist to become proficient in general compounding techniques and a basic knowledge of dosage formulation. A weekly laboratory is designed to enhance the technical capability of student pharmacists in this area of practice.

PHRD 610 – Pharmacy Seminar III  
Credit: 0.0 hours  
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.

PHRD 611 - Integrated Pharmacotherapy IV: Cardiovascular-Renal Integrated Pharmacotherapy (IP) Module I & II  
Credit: 5.0 hours Module I  
5.0 hours Module II  
This course is designed to incorporate the dynamic nature of the profession through an integration of basic science, pharmacology, and clinical therapeutics. Emphasis will be placed on layered learning with cumulative content continuously incorporated to most closely mimic the intricacies of clinical practice. In learning about structure and function of the human body as well as drugs and their effects, the student will be able to determine optimal therapy with monitoring parameters for both acute and chronic disease processes.

PHRD 612 – Health Outcomes and Informatics I  
Credit: 1.0 hour  
This course is designed to provide students pharmacists with a basic understanding of pharmacoepidemiology, which is the study of the use and effects of medications in large patient populations. Students will build a foundational knowledge of the process of pharmacoepidemiological research (such as methodology and statistical analysis) and its application to the measurement of treatment outcomes in large populations.

PHRD 613 - Pharmacy Practice Skills V  
Credit 0.5 hour  
This course is intended to provide students-pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.
PHRD 614 - Personal and Professional Development V  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 615 - Public Health & Wellness I  
Credit: 1.5 hours  
This course is designed to provide students with an overview of central concepts and the role of the pharmacist in public health, with a focus on how public health processes and services impact individual patients. Students will also be taught the approaches, strategies, and skills pharmacists need to optimize wellness and encourage behavior change in their patients and apply factors that affect health to promote healthy lifestyles in patients.

PHRD 65X – Elective  
Credit: 1.0 hour

PHRD 621 - Integrated Pharmacotherapy IV: Cardiovascular-Renal Integrated Pharmacotherapy II  
Credit: 5.0 hours  
This course is designed to incorporate the dynamic nature of the profession through an integration of basic science, pharmacology, and clinical therapeutics. Emphasis will be placed on layered learning with cumulative content continuously incorporated to most closely mimic the intricacies of clinical practice. In learning about structure and function of the human body as well as drugs and their effects, the student will be able to determine optimal therapy with monitoring parameters for both acute and chronic disease processes.

PHRD 622 - Health Outcomes and Informatics II  
Credit: 1.0 hour  
This course is designed to provide the student pharmacist with foundational knowledge and application in health informatics. In learning about health informatics, the student pharmacist will be able to effectively communicate key principles that can be used to facilitate improvements in healthcare technology design and deployment to improve usability and mitigate potential risks of patient harm.

PHRD 623 - Pharmacy Practice Skills VI  
Credit: 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 624 - Personal and Professional Development VI  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 625 - Public Health & Wellness II  
Credit: 1.5 hours  
The course is designed to provide students with a more in-depth look at the systems that influence public health and the pharmacist's role in impacting these systems to affect a larger population. Students will also be taught the approaches, strategies, and skills pharmacists need to optimize wellness and encourage behavior change in their patients as well as promote population health and primary care.
PHRD 630 – Pharmacy Seminar IV  
Credit: 0.0 hour  
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.

PHRD 631 – Integrated Pharmacotherapy V: Gastrointestinal  
Credit: 5.0 hours  
This course is designed to integrate anatomy & physiology, pathophysiology, pharmacology and medicinal chemistry with an emphasis on clinical application for the gastrointestinal system. In learning about structure and function of the human body as well as medications and their effects on the body, the student will be able to determine optimal pharmacologic and non-pharmacologic therapy including monitoring parameters for both acute and chronic disease processes.

PHRD 632 – Pharmacogenomics I  
Credit: 1.0 hour  
This course will provide the student pharmacist with an understanding of the basic principles of genetics and pharmacogenomics as they relate to the variability in drug response. Additionally, it will provide an understanding of the basic principles of the molecular techniques and genetic tests that are currently utilized in clinical practice.

PHRD 633 – Pharmacy Practice Skills VII  
Credit: 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 634 - Personal/Professional Development VII  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 635 – Law & Ethics I  
Credit 2.0 hours  
Discussions and analysis of federal law, regulations, and standards of practice and ethics related to pharmacy practice and drug development and distribution. Focus is upon analyzing, understanding and applying these issues through case studies and hypotheticals. Considerable emphasis on professionalism and the historical events that have shaped today's professional pharmacy practice, as well as the drug development and distribution system. Students will be introduced to ethical principles. Cases involving ethical and legal situations as well as article reviews of ethics topics will be incorporated into the course for student groups to identify issues and the consequences of decisions.

PHRD 641 - Integrated Pharmacotherapy VI: Neurology/Psychiatry  
Credit: 4.0 hours  
This course is designed to provide the student pharmacist with a foundation in the biomedical sciences, pharmaceutical sciences, and pharmacotherapeutic management of neurological and psychiatric conditions. In learning about structure and function of the nervous system as well as drugs and their effects, the student pharmacist will be able to design therapeutic treatment plans with a patient-centered focus and appropriate monitoring. Students will be expected to provide rationale, critique, and communicate and defend their therapeutic plans to their peers.
PHRD 642 – Pharmacogenomics II  
Credit: 1.0 hour  
This course will build upon the knowledge obtained during Pharmacogenomics I. Student pharmacists will practice the application of this knowledge in case-based scenarios involving the different pharmacy practice settings.

PHRD 643 - Pharmacy Practice Skills VIII  
Credit 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 644 - Personal and Professional Development VIII  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 645 - Pharmacy Jurisprudence and Ethics II  
Credit: 2.0  
Discussions and analysis of North Carolina laws, regulations, and standards of practice and ethics related to pharmacy practice and drug development and distribution. Focus is upon analyzing, understanding and applying these issues through case studies and hypotheticals. Considerable emphasis on professionalism and the historical events that have shaped today's professional pharmacy practice, as well as the drug development and distribution system. Students will be introduced to ethical principles. Cases involving ethical and legal situations as well as article reviews of ethics topics will be incorporated into the course for student groups to identify issues and the consequences of decisions.

PHRD 705/PHRD 707 – Community/Hospital IPPE  
Credit: 1.0 hour  
These two, month-long practice experiences are designed to expose the student pharmacist to the practice of pharmaceutical care in the community and in hospital settings. These practice experiences introduce the student pharmacist to the operational, clinical and administrative roles of the pharmacist; however, there is a greater emphasis on the drug distribution functions of the pharmacist in these settings. These experiences are usually scheduled during the summers following the first and second professional years.

PHRD 710 – Pharmacy Seminar V  
Credit: 0.0 hour  
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.

PHRD 711 - Integrated Pharmaco therapy (IP) IX: Musculoskeletal  
Credit: 4.5 hours  
This course focuses on the pharmacotherapy of problems associated with the musculoskeletal system.

PHRD 712 - Clinical Research Design Project 1  
Credit: 1.0 hour  
To be determined.

PHRD 713 - Pharmacy Practice Skills IX  
Credit: 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.
PHRD 714 - Personal and Professional Development IX  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 715 - Pharmacy Operation 1 (Human Resource Management)  
Credit: 2.0 hours  
This course will present principles of marketing and human resource management as they may be applied to pharmacy practice.

PHRD 721 - Integrated Pharmacotherapy (IP) VIII: Pulmonary, Otic and Ophthalmic  
Credit: 5.0 hours  
This course is designed to integrate anatomy and physiology, pathophysiology, pharmacology and medicinal chemistry with an emphasis on clinical application for the pulmonary, otic and ophthalmic body systems. In learning about structure and function of the human body, as well as medications and their effects on the body, the student pharmacist will be able to determine optimal pharmacologic and non-pharmacologic therapy including monitoring parameters for both acute and chronic disease processes.

PHRD 722 - Clinical Research Design Project II  
Credit: 1.0 hour  
To be determined.

PHRD: 723 - Pharmacy Practice Skills X  
Credit: 0.5 hour  
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD: 724 - Personal and Professional Development X  
Credit: 0.5 hour  
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 725 - Operations II (Financial Management)  
Credit: 1.5 hours  
The fundamentals of financial management are applicable and necessary in all pharmacy practice settings. All organizations, companies and services must be profitable to survive. The first part of the course includes a discussion about financial statements. The majority of the course focuses of the application of the financial information in decision making. Budgeting, pricing, break-even analysis, inventory control, trend analysis and justifying new services are topics that are included in the course.

PHRD 730 – Pharmacy Seminar VI  
Credit: 0.0 hour  
Through participation in this course student pharmacists will complete the necessary requirements for enrollment in experiential experiences, the co-curriculum, and for matriculation through the Doctor of Pharmacy curriculum.
PHRD 731 - Integrated Pharmacotherapy (IP) Dermatology, Nutrition, Obesity, and Weight Management (IP-IX: Derm, Nutrition)
Credit: 2.0 hours
This course is designed to help the student pharmacist integrate principles of the basic sciences with the clinical application of drug and non-drug solutions for the management of conditions of the skin. In addition, this course is designed to provide a firm foundation of clinical and scientific knowledge for the treatment of nutritional issues (excess or depletion) that will be faced in the clinical setting.

PHRD 732 - Clinical Research Design Project III
Credit: 1.0 hour
To be determined.

PHRD 733 - Pharmacy Practice Skills XI
Credit: 0.5 hour
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 734 - Personal and Professional Development XI
Credit: 0.5 hour
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 735 - Pharmacy Operations III
Credit: 1.0 hour
The purpose of this course is to introduce and familiarize student pharmacists with the fundamental concepts and methods of pharmacoeconomic evaluation. Subject matter examined includes the lexis of pharmacoeconomics, pharmacoeconomic methodology, assumptions and controversies, and the role of pharmacoeconomics and practical applications in drug development and decision making relevant to pharmacy practice and health care delivery. This foundation will help prepare student pharmacists for future educational activities where the student will develop and implement individualized treatment plans, taking into consideration pharmacoeconomic factors.

PHRD 736 - Integrated Pharmacotherapy X: Hematology Oncology
Credit: 5.0 hours
This course is designed to illustrate the appropriate clinical application of biochemistry, pharmacology, immunology, pharmacodynamics, pathophysiology and pharmacokinetics to a wide variety of acute and chronic hematology and oncology disease states. Emphasis will be placed on data collection and decision making required for optimal drug therapy.

PHRD 741 - Integrated Pharmacotherapy (IP) XI: Special Populations
Credit: 5.0 hours
This course is designed to integrate anatomy and physiology, pathophysiology, pharmacology and medicinal chemistry with an emphasis on clinical application for special populations with an emphasis on geriatrics, pediatrics, pregnant women and end of life patients. In learning about structure and function of the human body as well as medications and their effects on the body, the student pharmacist will be able to determine optimal pharmacologic and non-pharmacologic therapy including monitoring parameters for both acute and chronic disease processes in the special populations groups.
PHRD 742 - Clinical Research Design Project IV
Credit 1.0 hour
To be determined.

PHRD 743 - Pharmacy Practice Skills XII
Credit: 0.5 hour
This course is intended to provide student pharmacists the opportunity to learn skills provided by pharmacists in clinical practice in order to help prepare the student for the experiential component of the Doctor of Pharmacy curriculum.

PHRD 744 - Personal and Professional Development XII
Credit: 0.5 hour
This course is designed to provide the student pharmacist with the tools necessary to excel as a professional throughout both the pharmacy curriculum and their professional career. This co-curricular course is taught longitudinally throughout all three years of the didactic curriculum and its aim is to impart knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate the key elements of personal and professional development: self-awareness, leadership, innovation and entrepreneurship, and professionalism.

PHRD 745 – Integrated Pharmacotherapy (IP) XII: Clinical Updates
Credit: 1.0 hour
Following completion of the Integrated Pharmacotherapy Courses I-XI, this course is designed to allow the student pharmacist to determine and apply the most up-to-date treatment guidelines and utilize the most current evidence to develop and prioritize the optimal therapeutic plan for the patient.

PHRD 75X – Elective
Credit: 1.0 hour

PHRD 8XX – Advanced Pharmacy Practice Experiences
Credit: 4 hours per rotation
These rotations are designed to provide the students with an environment where they can integrate the academic knowledge gained during pre-clinical years with professional experience to develop clinical expertise in the promotion of rationale and efficacious drug therapy. Each individually numbered rotation of four week’s (160 hours) duration is weighted as four semester hours. The selection, sequence and scheduling of these senior rotations will vary according to an individual student’s needs, interests and site availability. Campbell University has affiliation agreements for a diverse offering of electives ranging from additional experiences in general community and hospital practices to sub-specialties in hospital (administration, intensive care, cardiology, and emergency medicine), to clinics and long-term care (ambulatory care, skilled and assisted living communities) to community practice (compounding, medication therapy management services, and community management).

PHRD 804 – Advanced Community: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to provide future pharmacists with an understanding of how the practice of pharmacy is conducted in the community setting and to further develop their professional attitudes, judgment, and skills needed to function in this practice setting. The setting for this type of APPE is select community pharmacy environments (chain and independent) in which pharmaceutical care services are provided in addition to traditional dispensing and counseling services.

PHRD 805 – Ambulatory Care: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to introduce the student to clinical pharmacy practice in a patient-care setting through the management of common disease states. The setting for this type of APPE provides the opportunity for patient-care activities in medical practice sites such as physician offices and community health centers.
PHRD 806 – Geriatrics: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to introduce the student to the philosophies and practice of geriatric medicine through clinically-oriented activities. The setting for this type of APPE provides the opportunity for patient-care with geriatric patients in assisted living, skilled nursing facility or other practice setting that has a large percentage of patients age 65 or older or patients physiologically similar to geriatric individuals.

PHRD 807 – Internal Medicine I: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to expose the student to clinical pharmacy practice in the inpatient setting through clinically-oriented services and patient-specific activities. The setting for this type of APPE allows the student to work with an interdisciplinary team in the hospital setting handling patient care from an acute care perspective.

PHRD 808 – Internal Medicine II: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to build on the exposure students obtain during PH607 for pharmacy practice in the inpatient setting through clinically-oriented services and patient-specific activities. The setting for this type of APPE allows the student to work with an interdisciplinary team in the hospital setting handling patient care from an acute care perspective.

PHRD 810 – Advanced Hospital: Advanced Pharmacy Practice Experience
Credit: 4 hours
The purpose of this experience is to expand upon the knowledge and skill-set obtained during the Introductory to Hospital Pharmacy Practice Experience (PH507) and to facilitate the student-pharmacist’s exposure to current hospital pharmacy practice. The setting for this type of APPE allows the student-pharmacist to enhance operational/ distributive skills as a component of integrated, interdisciplinary patient care within the wider hospital/health system setting.