

PHARMACY DOCTORATE (PRDO)

PRDO 7323 - ADASM II-III Critical Care (1 Credit)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for critical care patients. Course may include case-based, team-based learning to provide opportunities for the application of clinical skills & knowledge in providing patient care. Prerequisites: PRDO 7700.

Notes: Eligible Students: Elective for NTPD and ITPD students.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7331 - ADASM III-I Pediatrics (1 Credit)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for disorders and issues of pediatric patients. Course may include case-based, team-based learning to provide opportunities for the application of clinical skills & knowledge in providing patient care.

Prerequisites: PRDO 7700. Notes: Eligible Students: Elective for NTPD students and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7361 - ADASM 6-1 Endocrine Dis (1 Credit)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for patients with endocrinology disorders. Course may include case-based, team-based learning to provide opportunities for the application of clinical skills & knowledge in providing patient care. Prerequisites: PRDO 7700; Notes: Eligible Students: NTPD Continuing students (those admitted prior to Fall semester 2014).

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7411 - Drug Information Portfolio I (0.5 Credits)

First of two courses dedicated to the longitudinal DI portfolio. The portfolio is for students to learn, build competence and gain experience in application of acquired knowledge in DI, developing skills in the retrieval, evaluation, and provision of DI. Prerequisites: All students: PRDO 7400 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150. Eligible Students: NTPD students and ITPD students

Grading Basis: Pass/Fail with IP

Typically Offered: Fall, Spring, Summer.

PRDO 7412 - Drug Information Portfolio II (0.5 Credits)

Second of two courses dedicated to the longitudinal DI portfolio. The portfolio is for students to learn, build competence and gain experience in application of acquired knowledge in DI, developing skills in the retrieval, evaluation, and provision of DI. Prerequisites: All students: PRDO 7400, PRDO 7411 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150. Eligible Students: NTPD students and ITPD students.

Grading Basis: Pass/Fail with IP

Typically Offered: Fall, Spring, Summer.

PRDO 7419 - Applied Drug Info (DI) Portfolio (0.5 Credits)

The Applied DI Portfolio is designed for students to build competence and gain experience in application of drug information. Skills will be developed skills in researching, evaluating, and providing DI. Other applied DI skills such as administrative activities, and oral and written communication skills are included. All students: PRDO 7400. ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150. Eligible Students: NTPD students and ITPD students.

Grading Basis: Pass/Fail with IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDO 7440 - Evid-based Med & Lit Ev (3 Credits)

This course provides an introduction and step-wise approach to evidence-based medicine. Knowledge gained from this course allows students to search for and understand published medical studies, research designs and statistical tests, and their application to clinical practice.

Prerequisites: NTPD students: PRDO 7400; ITPD Students: PRDI 7000, PRDI 7100, PRDI 7150, and PRDI 7350 in addition to above courses.

Notes: Eligible Students: NTPD students and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7490 - Healthcare Informatics (1 Credit)

This course will focus on fundamentals of pharmacy informatics such as pharmacy automation technology and information systems in various pharmacy settings. Requirements: ITPD Students: PRDI 7000, PRDI 7100, PRDI 7150, PRDI 7300. NTPD Students: PRDO 7700. Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring, Summer.

PRDO 7492 - Healthcare Informatics II (1 Credit)

This course will focus on fundamentals of pharmacy informatics with an emphasis on data management, methods and medication-related applications. Prerequisite: ITPD Students: PRDI 7000, PRDI 7100, PRDI 7150, PRDI 7300, PRDO 7490. NTPD Students: PRDO 7700, PRDO 7490. Eligible Students: NTPD and ITPD

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7495 - Innovation Entrepreneurship (1 Credit)

This goal of this course is to introduce the student to thinking differently. During the course, the learner will have the opportunity to gain an understanding and recognize their creative abilities, promote innovation in themselves and others, and demonstrate productive thinking. Upon completion the student should have a better understanding.

Requisite: ITPD Students: PRDI 7000, PRDI 7100, PRDI 7150, PRDI 7300, PRDO 7490. NTPD Students: PRDO 7700, PRDO 7490. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7560 - Instructional Met & Sem (2 Credits)

Provides the pharmacist with basic skills in lecture development and presentation. Presentations include development of PowerPoint slides, one short presentation, and a videotaped presentation. Prerequisites: PRDO 7240, PRDO 7460, and 7.5 cr hrs of ADSM Courses/ Notes: Eligible Students: NTPD Continuing students (those admitted prior to Fall semester 2014).

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

PRDO 7561 - Instructional Methods (1.5 Credits)

This course is designed to advance the presentation and teaching skills of participants. It focuses on the development of essential components of formal presentations, including learning objectives, outlines, and delivery skills. Prerequisites: NTPD: PRDO 7700, PRDO 7440 and 5 credit hours Pharmacotherapy; ITPD: PRDI 7000, PRDI 7100, PRDI 7300, PRDI 7150, PRDO 7700, PRDO 7440, and 5 credit hours Pharmacotherapy. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7601 - Public Health (1 Credit)

The purpose of this course is to provide an overview of the US healthcare system with insight into global health issues, their key components and their functional relationships. Requisites: Prerequisites: ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150. Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7602 - Health Economics (1 Credit)

This course will cover economic evaluation techniques for pharmaceutical care, and how to use economic, clinical and humanistic outcomes research to understand and assess health care interventions and health care systems. ITPD students: PRDI 7700, PRDI 7100, PRDI 7150 and PRDI 7300. Prerequisites: NTPD students: PRDO 7601. ITPD students: PRDI 7000, PRDI 7100, PRDI 7150, PRDI 7300, and PRDO 7601. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

PRDO 7621 - Interprofessional Collaborative Practice (0.5 Credits)

This course develops core competencies in teamwork & collaboration for incoming health professions students. Students will learn in IP teams coached by IP faculty, develop essential communication skills and processes for simultaneous and sequential teams, and provide feedback on individual and team performance to improve IP collaboration. Notes: Eligible Students: - NTPD students. ITPD students: PRDI 7000, PRDI 7100, PRDI 7150 and PRDI 7300.

Grading Basis: Pass/Fail Only

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDO 7622 - Interprof Healthcare Ethics & Health Equity (0.5 Credits)

This course develops foundational knowledge and basic practical skills to identify, analyze, and resolve ethical and health equity issues in clinical practice. It integrates interprofessional collaboration and teamwork to teach students ethical theory and reasoning, professional ethics and approaches to healthcare decision-making. Notes: Eligible Students: - NTPD students. ITPD students: PRDI 7000, PRDI 7100, PRDI 7150 and PRDI 7300.

Grading Basis: Pass/Fail with IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDO 7700 - Clin Skills Foundations (2 Credits)

Combines three components that provide foundation for ADSM courses: 1) orientation to patient assessment and skills development; 2) pharmacokinetics and pharmacodynamics; 3) advanced disease statement management for fluids, electrolytes, and acid-base disorders. Prerequisites: All students: PRDO 7700 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses.

Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7710 - Pharmacotherapy-CV/Renal (2.5 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for patients with common cardiovascular and renal disorders. Course may include case-based, team-based learning to provide opportunities for application of clinical skills & knowledge in providing patient care. Prerequisites: All students: PRDO 7700 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses.

Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7720 - Pharmacotherapy-GI/Nutr (2.5 Credits)

Course combines pathophys, advanced pharmacotherapeutics management, drug-specific pharmacokinetics, patient assessment, & professional skills development for patients with gastrointestinal and nutrition disorders. Course may include case-based, team-based learning to provide opportunities for application of clinical skills & knowledge. Prerequisites: All students: PRDO 7700 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses.

Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7730 - Pharmacotherapy-Inf Dis (2 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, basic patient assessment, & professional skills development for patients with infectious diseases. Course may include case-based, team-based learning to provide opportunities for the application of clinical skills & knowledge in providing patient care. Prerequisites: All students: PRDO 7700 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses.

Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7741 - Pharmacotherapy-Oncology (2 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, basic patient assessment, & professional skills development for oncology disorders. The course incorporates the principles of active learning using lecture and interactive formats. Prerequisites: All students: PRDO 7700; PRDO 7010 or PRDO 7011 strongly recommended ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7742 - Pharmacotx -Bone Conn Tis (0.5 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for patients with bone and connective tissue disorders. Course may include case-based, team-based learning to provide opportunities for the application of clinical skills & knowledge in patient care. Prerequisites: All students: PRDO 7700; ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7743 - Oncology II (1 Credit)

This elective course will build on foundational oncology concepts. The course will cover advanced pharmacotherapeutic management for disorders commonly seen in oncology patients. Prerequisites: All students PRDO 7700; For NTPD: PRDO 7741; For ITPD students: PRDI 7000, PRDI 7100, PRDI 7150 and PRDI 7300 in addition to above courses. Eligible Students: Elective for NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7745 - Palliative Care Pharmacotherapy (1 Credit)

Palliative Care - This course is designed to introduce the student to palliative care and hospice pharmacy practice. Students will learn the pathophysiology, pharmacotherapeutics, patient assessment, and communication skills necessary to manage pain and other complex symptoms in patients living with serious illness. Requisite: PRDO/PRDM 7700, strongly suggest PRDO/PRDM 7741.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7750 - Pharmacotx-Ger/Neur/Psy (3 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for geriatric, psychiatric, and neurological disorders. Course may include case-based, team-based learning to provide opportunities for application of clinical skills & knowledge in providing patient care. Prerequisites: All students: PRDO 7700; For ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7760 - PhtxEndoHemePulmUroGyn (3 Credits)

Course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, & professional skills development for patients with endocrinology, hematology, pulmonology and gynecology/urologic disorders. Course may include case-based, team-based learning to provide opportunities for application of clinical skills & knowledge in patient care. Prerequisite: All students: PRDO 7700; ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses. Eligible Students: NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7775 - Integrative Health & Medicine (1 Credit)

Elective course designed to develop a broad knowledge base in the field of Complementary and Alternative Medicine (CAM). Course will cover common vitamins and minerals, herbal products, and bio-identical hormones, touching on core CAM domains and discussions of regulatory issues. Prerequisites: All students: PRDO 7700 ITPD students: PRDI 7000, PRDI 7100, PRDI 7300, and PRDI 7150 in addition to above courses. Eligible Students: Elective for NTPD and ITPD students.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7780 - Pharmacogenomics (1 Credit)

This course provides students with an understanding of how genetic factors influence drug disposition, response, and adverse effects. Knowledge gained from this course enhances students' ability to apply genetic information to pharmacy practice and select the most appropriate therapeutic intervention(s). Prerequisites: For NTPD students: PRDO 7700, PRDO 7400, PRDO 7440, PRDO 7710. For ITPD students: PRDI 7000, PRDI 7100, PRDI 7150, and PRDI 7300 in addition to above courses. Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7800 - Clinical Problem Solving Skills (2 Credits)

This course builds on principles and skills taught and gained in prerequisite courses, such as drug information, identification/use of optimal resources, effective literature search and evaluation strategies, critical scientific literature appraisal and applying evidence in clinical practice. Prerequisites: For NTPD students: PRDO 7700, PRDO 7440, PRDO 7710, at least ONE of the following: PRDO 7720, PRDO 7750, or PRDO 7760. For ITPD students: PRDI 7000. PRDI 7100, PRDI 7150, and PRDI 7300 in addition to above courses. Eligible Students: NTPD and ITPD students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7818 - Pharmaceutical Industry Fundamentals (1 Credit)

Course provides a broad background on the pharmaceutical industry, with a focus on 7 key topic areas of interest to practicing pharmacists, including fundamental areas, such as clinical development, medical affairs and commercial topics. Students will complete an additional topic of their choice to meet their professional needs.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDO 7850 - Clinical Capstone (3 Credits)

This course is designed to be a capstone that integrates essential core pharmacy practice topics. The philosophy of this course is to facilitate student learning and hold students accountable for prior learning in an integrated manner using complex patient scenarios. Prerequisites: For NTPD students: PRDO 7700, PRDO 7400, PRDO7440, PRDO 7710, PRDO 7800 at least TWO of the following; PRDO 7720, 7750 or 7760. For ITPD students: PRDI 7000, PRDI 7100, PRDI 7150 and PRDI 7300 in addition to above courses. /Notes: Eligible Students: - NTPD New students (those admitted fall semester 2014 and later) and - ITPD New students

Grading Basis: Letter Grade

Typically Offered: Fall, Spring, Summer.

PRDO 7851 - Clinical Capstone (3.5 Credits)

Clinical Capstone -- This course is designed to be a capstone that integrates essential core pharmacy practice topics. The philosophy of this course is to facilitate student learning and hold students accountable for prior learning in an integrated manner using complex patient scenarios. Required prerequisites: PRDO 7150, PRDO 7700, PRDO 7400, PRDO 7621, PRDO 7622, PRDO 7561, PRDO 7440, PRDO 7800.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.5.

Typically Offered: Fall, Spring, Summer.

PRDO 8401 - APPE - Ambulatory Care (6 Credits)

Requisite: All didactic coursework (ITPD and NTPD), both live sessions (ITPD), PRDO 7411 (NTPD), PRDI 7911 (ITPD), Immunization Training completed through APHA or Canadian Province, and a cumulative professional 2.0 GPA.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8402 - Ambulatory Care-Challenge (6 Credits)

Grading Basis: Pass/Fail with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8501 - APPE Hospital/Health System (6 Credits)

This experience will take place in an inpatient practice setting. Students will be exposed to adult patients with a variety of disease states, and participate in other institutional activities related to clinical pharmacy services. Requisite: All didactic coursework (ITPD and NTPD), both live sessions (ITPD), PRDO 7411 (NTPD), PRDI 7911 (ITPD), Immunization Training completed through APHA or Canadian Province, and a cumulative professional 2.0 GPA.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8502 - APPE Hospital/Health System Challenge (6 Credits)

Grading Basis: Pass/Fail with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8601 - Advanced Pharmacy Practice Experience-Community (6 Credits)

This experience will take place in a community pharmacy practice setting. Practice sites include independent, large chain, or retail pharmacies that provide a variety of services, including administration of immunizations and Health/Wellness screenings. Requisite: All didactic coursework (ITPD and NTPD), both live sessions (ITPD), PRDO 7411 (NTPD), PRDI 7911 (ITPD), Immunization Training completed through APHA or Canadian Province, and a cumulative professional 2.0 GPA.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8701 - APPE Elective Rotation (6 Credits)

Requisite: All didactic coursework (ITPD and NTPD), both live sessions (ITPD), PRDO 7411 (NTPD), PRDI 7911 (ITPD), Immunization Training completed through APHA or Canadian Province, and a cumulative professional 2.0 GPA.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.

PRDO 8702 - APPE Elective-Challenge (6 Credits)

Elective credit by challenges to be submitted NTPD students enrolled Fall 2014 or later.

Grading Basis: Pass/Fail with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.