

# MASTER OF SCIENCE IN CLINICAL PHARMACY (PRDM)

## PRDM 7150 - Medical Terminology and Lab Interpretation (0.5 Credits)

Medical Terminology and Lab Interpretation – This course provides a review of medical terminology and laboratory interpretation with an emphasis on US pharmacy and medical terms and abbreviations. Students will also review the top 100 medication prescribe in the United States.

Grading Basis: Letter Grade

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

## PRDM 7323 - Pharmacotherapy – Critical Care (1 Credit)

Pharmacotherapy – Critical Care – This course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for critical care patients. Course may include case-based, team-based learning.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 7331 - Pharmacotherapy – Pediatrics (1 Credit)

Pharmacotherapy – Pediatrics -Combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for disorders and issues of pediatrics patients. Course may include case-based, team-based learning.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 7400 - Drug Info Fundamentals (1 Credit)

Drug Information Fundamentals – The fundamentals of practice of drug information are introduced so students can retrieve, evaluate, and utilize professional and lay information in a critical manner that enhances their practice of pharmacy, all in the context of the history and contemporary pharmacy practice.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 7413 - Masters Drug Information Portfolio (0.5 Credits)

This longitudinal portfolio is for CPM students to learn, build competence and gain experience in the application of acquired drug information knowledge. Required prerequisites: PRDM 7150, PRDM 7700 and PRDM 7400

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

## PRDM 7440 - Evidence-Based Medicine & Literature Eval (3 Credits)

Evidence-Based Medicine & Literature Evaluation –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. Required prerequisites:

PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621, PRDM 7622, PRDM 7561.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring, Summer.

## PRDM 7470 - U.S. Pharmacy Leadership & Management (2 Credits)

US Pharmacy Leadership and Management – Provides students with an overview of fundamental principles of leadership. Attributes of effective leaders will be identified and discussed. An emphasis will be placed on identifying and cultivating personal leadership qualities to use throughout their pharmacy education and career.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

## PRDM 7490 - Healthcare Informatics (1 Credit)

Healthcare Informatics – This course strengthens the skills necessary to allow practicing pharmacists to provide accurate, unbiased, and relevant drug information.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 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: PRDM 7150, PRDM 7490, PRDM 7700.

Students eligible to enroll: M.S. Clinical Pharmacy student.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 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: PRDM 7150, PRDM 7490, PRDM 7700. Students eligible to enroll: M.S. Clinical Pharmacy student.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

## PRDM 7561 - Instructional Methods/Research (1.5 Credits)

Instructional Methods/Research - This course is designed to advance the participant's presentation and teaching skills. It focuses on the development of essential components of formal presentations, including learning objectives, outlines, and delivery skills. Participants use a clinical question to achieve the course requirements. Required prerequisites:

PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621 & PRDM 7622

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.5.

Typically Offered: Fall, Spring, Summer.

## PRDM 7601 - Public Health (1 Credit)

Public Health –This course provides an overview of the US healthcare system with insight into global health issues, their key components and their functional relationships.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDM 7602 - U.S. Based Health Economics (1 Credit)

US Based Health Economics – This course covers 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.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDM 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: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDM 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: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDM 7700 - Clinical Skills Foundation (2 Credits)

Clinical Skills Foundation – This course combines three components that provide foundation for ADSM courses: 1) orientation to patient assessment and skills development; 2) pharmacokinetics and pharmacodynamics; 3) advanced disease state management for fluids, electrolytes, and acid-base disorders.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

PRDM 7710 - Pharmacotherapy I – CV/Renal (2.5 Credits)

Pharmacotherapy I – CV/Renal –This course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for patients with common cardiovascular and renal disorders. Requisite: PRDM 7700

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.5.

Typically Offered: Fall, Spring, Summer.

PRDM 7720 - Pharmacotherapy II – GI/Nutrition (2.5 Credits)

Pharmacotherapy II – GI/Nutrition –Combines pathophysiology, advanced pharmacotherapeutics management, drug-specific pharmacokinetics, patient assessment, and professional skills development for patients with gastrointestinal and nutrition disorders.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.5.

Typically Offered: Fall, Spring, Summer.

PRDM 7730 - Pharmacotherapy III Infectious Diseases (2 Credits)

Pharmacotherapy III – Infectious Diseases – This course combines pathophysiology, advanced pharmacotherapeutics management, basic patient assessment, and professional skills development for patients with infectious diseases.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

PRDM 7741 - Pharmacotherapy IV-Oncology (2 Credits)

Pharmacotherapy IV- Oncology – This course combines pathophysiology, advanced pharmacotherapeutics management, basic patient assessment, and professional skills development for oncology disorders. The course incorporates the principles of active learning using lecture and interactive formats.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

PRDM 7742 - Pharmacotherapy IV-II Bone & Connective Tissue (0.5 Credits)

Pharmacotherapy IV-II – Bone and Connective Tissue Disorders – Combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for patients with bone and connective tissue disorders.

Grading Basis: Letter Grade

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDM 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.

PRDM 7750 - Pharmaco V- Geriatrics/Neurology/Psychiatry (3 Credits)

Pharmacotherapy V – Geriatrics, Neurology, Psychiatry –Combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for geriatrics, psychiatric, and neurological disorders.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring, Summer.

PRDM 7755 - Pharmacotherapy V-Geriatrics/Neurology/Psych (2.5 Credits)

pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for geriatrics, psychiatric, and neurological disorders.

Grading Basis: Letter Grade with IP

Typically Offered: Fall, Spring, Summer.

PRDM 7760 - Pharmacology- Pulm/Hematology/Gynecology/Endo (3 Credits)

Pharmacotherapy VI – Pulmonary, Hematology, Gynecology, and Endocrine Disorders – This course combines pathophysiology, advanced pharmacotherapeutics management, patient assessment, and professional skills development for patients with endocrinology, hematology, pulmonology, and gynecology/urologic disorders.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring, Summer.

PRDM 7775 - Integrated Health and Medicine (1 Credit)

Integrated Health and Medicine - This course is 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.

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDM 7777 - COAST IT - Elective (1 Credit)

Connecting older adults with students through interprofessional telecare is a program where students are paired with an older adult partner (OAP) with whom to make social phone/video calls, to help reduce isolation and loneliness of the OAP, and improve conversation skills and awareness of geriatric issues for the student.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDM 7780 - Pharmacogenomics (1 Credit)

Pharmacogenomics – 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 generic information to pharmacy practice and select the most appropriate therapeutic intervention(s).

Grading Basis: Letter Grade

Repeatable. Max Credits: 1.

Typically Offered: Fall, Spring, Summer.

PRDM 7800 - Clinical Reasoning & Decision Making (2 Credits)

Clinical Reasoning & Decision Making – Designed for students to become familiar with the clinical decision making process by incorporating various skills including basic principles of drug information, clinical knowledge, systems-based or governmental policies, and payer status applying these skills to patient-specific problems. Required prerequisites:

PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621, PRDM 7622,

PRDM 7561, PRDM 7440.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

Typically Offered: Fall, Spring, Summer.

PRDM 7818 - Pharmaceutical Industry Fundamentals (2 Credits)

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

Typically Offered: Fall, Spring.

PRDM 7850 - 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: PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621, PRDM 7622, PRDM 7561, PRDM 7440, PRDM 7800.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.5.

Typically Offered: Fall, Spring, Summer.

PRDM 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: PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621, PRDM 7622, PRDM 7561, PRDM 7440, PRDM 7800.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.5.

Typically Offered: Fall, Spring, Summer.

PRDM 8000 - CPM Capstone Thesis (3 Credits)

CPM Capstone Thesis-It is an experiential project to enhance patient-centered pharmacy care (i.e., clinical pharmacy) awareness, engagement, and practice or to address a problem in the student's real-world or work setting. This course will familiarize students with the various types of Capstone Thesis projects they can undertake. Required prerequisites: PRDM 7150, PRDM 7700, PRDM 7400, PRDM 7621, PRDM 7622, PRDM 7561, PRDM 7440, PRDM 7800, PRDM 7851.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Additional Information: Report as Full Time.

Typically Offered: Fall, Spring, Summer.

PRDM 8001 - MS Clin Pharm Capstone Thesis Foundations (0.5 Credits)

This course provides fundamentals in research and clinical pharmacy project types, allowing students to choose a topic, then plan and execute that project. The course requires successful live presentation of project proposal. It serves as a prerequisite to the longitudinal project course, to be completed throughout the program. Required pre- or co-requisites: PRDM 7400 Drug Information Fundamentals and PRDM 7440 Evidence-based medicine

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: .5.

Typically Offered: Fall, Spring, Summer.

PRDM 8003 - MS in Clinical Pharmacy Internship (6 Credits)

This course will involve 240 clock hours of applied learning in a mutually-agreed upon (between the student and SSPPS) professional site, such as a patient care or other clinical pharmacy related site. The course requires a significant paper reflecting on the learning experience and future application of it. Requisite: Students must independently secure proper professional licensure, such as intern pharmacist or pharmacist license, for the local area of the internship site.

Grading Basis: Letter Grade with IP

Repeatable. Max Credits: 6.

Typically Offered: Fall, Spring, Summer.