



JOHN G. RANGOS, SR. SCHOOL
HEALTH SCIENCES
DUQUESNE UNIVERSITY

Health Sciences Masters of Science – 30 Credits

Course Descriptions:

PHYA 601: Disparities in Healthcare

3 credits

This course will focus on the cultural themes of health, illness and healthcare by critically analyzing existing social inequalities and cultural perceptions of both patients and healthcare providers. Differences in the quality of healthcare delivered to racial/ethnic groups will be explored in an attempt to explain why health disparities exist in the United States and what can be done to minimize, and eventually eliminate them.

PHYA 605: Healthcare and the Law

3 credits

This course is designed to review laws and regulations as they apply to patient care, patient safety, clinical practice and malpractice.

PHYA 609: Health Policy

3 credits

This course explores current trends, issues and public policies reflective of America's evolving healthcare system.

PHYA 613: Introduction to Healthcare Management

3 credits

In this course students will learn concepts and theories in healthcare management; develop basic management skills and the ability to work productively with others and apply course concepts to current healthcare management challenges.

PHYA 617: Principles of Research

3 credits

This course introduces students to each phase of the research process. Class discussions highlight the design, data collection, analysis and interpretation of clinical and practice-based research studies.

PHYA 621: Advanced Pharmacology

3 credits

Advanced Pharmacology will review topics such as drug absorption, distribution, metabolism and excretion. Newly developed medications will be studied with a focus on mechanisms of actions, indications and safety profiles.

PHYA 625: Principles of Healthcare Education

3 credits

This course will provide an overview of educational theories, learning styles and instructional methodologies for the adult learners. Students will develop skills needed to teach healthcare and medicine to students and other healthcare professionals.

PHYA 629: Patient Safety and Quality Performance in Healthcare

3 credits

This course will present a multidisciplinary perspective on quality management in health care taking into account a several disciplines including operations management, organizational behavior and health services research. Students will become familiar with the underlying tools and approaches fundamental to the continuous performance improvement.

PHYA 635: Master's Project I:

3 credits

An independent research project is initiated with ongoing faculty support, recommendations and guidance. This is the first in a 2 series course which requires interpretation and application of the medical literature to an actual patient case.

PHYA 636: Master's Project II:

3 credits

This is a continuation of Master's Project I. Working in conjunction with a faculty member, the student will finalize the clinical case write-up/professional topic paper and submit it for publication. The learner will develop the paper into a poster presentation and submit it for presentation at a professional conference.

IMPORTANT NOTE: The material contained herein is subject to change from time to time and this publication cannot be considered an agreement or contract between individual students and the School. The Rangos School of Health Sciences reserves the right to alter or amend the terms, conditions, and requirements herein, and to eliminate programs or courses as necessary. Once enrolled, students should consult on a regular basis with their Faculty Mentor and/or Academic Advisor for specific information regarding academic policies pertaining to their respective program.