PHARMACY/SOCIAL AND ADMINISTRATIVE SCIENCES (RXSA)

Courses

RXSA 545. Public Health and Lifestyles. 3 Units.
Introduces the first-year pharmacy student to fundamental principles of public health and public health practice, as well as to how pharmacy practice interfaces with public health delivery in a variety of settings. Student identifies and evaluates public health education and health promotion programs, as well as identifies where the pharmacist plays a significant role in ensuring the conditions under which all peoples can be healthy. Introduces the student to the fundamentals of public health principles and practice, while examining how the pharmacist is an integral player to public health-systems delivery and practice.

RXSA 547. Pharmacy Law. 2 Units.
Introduces students to the most relevant federal and state laws and regulations that define legal and ethical pharmacy practice. Provides students with the tools necessary to practice pharmacy consistent with these standards. Includes lectures, discussions, small-group problem solving, assignments, and examinations.

RXSA 600. Philippines Medical Mission Preparation. 1 Unit.
Emphasizes preparation activities designed to orient student team members to the cultural, professional, and clinical experiences that may be encountered in the Philippines. Includes a survey of the geographical, cultural, and epidemiological history of the Batangas people, as well as a review and preparation of medications that will be dispensed during the mission. Prepares student pharmacists to describe the pharmacist's role in the medical mission, as well as provide competent pharmacy care to the local population. Develops and implements mission responsibilities, tasks, and itineraries.

RXSA 618. Writing for Publication. 3 Units.
Students seeking residency and positions in academic pharmacy will be required to write extensively and must possess the skills necessary to write an article worthy of publication in an academic or scholarly journal. This course is designed to teach students how to write effectively for the purpose of publication. Specific topics covered will include pre-writing exercises, basic components of articles, journal style sheets, bibliographies, citing works within a text, and writing conventions (mechanics, usage, sentence formation). Dual degree (PharmD/Bioethics) students will find this course especially useful.

RXSA 640. Epidemiology and Biostatistics. 3 Units.
Introduces epidemiology, basic statistical concepts, analytical methods, and medical literature-evaluation techniques. Exposes students to biostatistical concepts through clinical application of statistics, using SPSS7 or other currently available statistical packages. Prerequisite: Successful completion of all P1-level courses; P2; Autumn Quarter standing.

RXSA 646. Principles of Management. 3 Units.
Introduces pharmacy students to the five core managerial sciences, i.e., human resource management, operations management, marketing, accounting, and finance. Particularly emphasizes human resource management and operations management skills. Lectures incorporate real-life management cases for discussion, followed by lecture on the principles of management topics.

RXSA 743. Health Systems, Reimbursement, and Pharmacoeconomics. 3 Units.
Presents fundamental concepts of health outcomes research and pharmacoeconomic analysis, and provides a basic framework to optimize health care resource allocation. Discusses principles of measuring and analyzing costs and outcomes and techniques used to evaluate them across drug treatments. Includes various interactive group assignments to illustrate the methodologies discussed in lecture. Reviews current practice guidelines for pharmacoeconomic evaluation and describes "real world" contexts in which pharmacoeconomic research is conducted. Reviews the structure of the American health system and the role that pharmacists play in it. Presents and evaluates basic concepts of drug reimbursement and clinical pharmacy reimbursement for different pharmacy practice settings.

RXSA 748. Advanced Topics in Pharmacy Law. 1 Unit.
Exposes the student to current issues in pharmacy law and regulation both at the federal and state levels. Introduces pending legislation at both the state and federal levels. Assigned legal articles and pending legislation read and presented during class allow the student to become familiar not only with the issue(s) being presented, but also to analyze and present the issues' impact on the practice of pharmacy in general and on the student's personal practice of pharmacy.

RXSA 750. Wall Street Journal. 1 Unit.
Students read selected Wall Street Journal health-related articles and discuss the events that have resulted in news coverage each week in the areas of pharmaceutical/biotechnology, providers/insurance, research, policy, and medical products.

RXSA 751. Social-Behavioral Aspects of Pharmacy Practice. 3 Units.
Focuses on models and theories of behavior change, with particular emphasis on primary models of behavior change relative to public health, health education, preventive health, health promotion, and pharmacological practice. Combining pharmacological and public health practice, student gains a broad understanding of the various health-behavior models and theories that can be applied to assessing a patient's level of behavior change and meeting his/her needs. Students use knowledge to meet the individual needs of the patient.

RXSA 754. Clinical Research and Methodology (CRM). 2 Units.
Builds on the principles of biostatistics and drug information to develop the skills necessary for a practitioner to design and develop a clinical research study worthy of scholarly publication and presentation. Highly recommended for students who wish to pursue a career in managed care, pharmacy practice in an academic setting, or as a clinical coordinator in hospital settings. Offered Spring Quarter of PY3. Prerequisite: Completion of RXDI 664 and RXSA 640 with a grade of B- or better.