

# PHARMACY/SOCIAL AND ADMINISTRATIVE SCIENCES (RXSA)

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## Courses

### **RXSA 545. Public Health and Lifestyles. 3 Units.**

Introduction to principles of public health and public health practice. Addresses how pharmacy practice interfaces with public health delivery in a variety of settings; identification and evaluation of public health education programs; and, how the pharmacist ensures conditions under which all people can be healthy.

### **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 555. Epidemiology and Public Health. 3 Units.**

Examines the fundamentals of public health epidemiology. Addresses distribution and determinants of health and illness, factors contributing to health promotion and disease prevention, implementation of activities that advance public health and wellness, and immunization delivery.

### **RXSA 600. Philippines Medical Mission Preparation. 1 Unit.**

Orientation to cultural, professional, and clinical experiences in the Philippines. Surveys geographical, cultural, and epidemiological history of the Batangas people. Reviews preparation of medications to be dispensed during the mission. Describes the pharmacist's scope of practice in the medical mission and provision of competent pharmacy care. Develops and implements mission responsibilities, tasks, and itineraries.

### **RXSA 618. Writing for Publication. 3 Units.**

Addresses publishable, professional writing. Includes: pre-writing exercises, basic components of articles, journal style sheets, bibliographies, citing works within a text, and writing conventions such as mechanics, usage, and sentence formation.

### **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 650. Biostatistics. 3 Units.**

Exposure to commonly used descriptive and inferential statistical techniques. Addresses selection of appropriate parametric and non-parametric statistical tests for research and interpretation of findings in the literature. Includes presentation of statistical information in tabular and graphical formats.

### **RXSA 743. Health Systems, Reimbursement, and Pharmacoeconomics. 3 Units.**

Explores health outcomes research and pharmacoeconomic analyses. Includes: cost-benefit analyses across drug treatments; resource allocation; practice guidelines for pharmacoeconomic evaluation; pharmacists' roles in the health-care system; and, drug and clinical pharmacy reimbursement in 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 public health, health education, preventive health, health promotion, and pharmacological practice. Includes patient and needs assessments.

### **RXSA 757. 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.