

# SOCIAL AND ADMINISTRATIVE PHARMACY (S&A PHM)

## S&A PHM/NURSING/SOC WORK 105 – HEALTH CARE SYSTEMS: INTERDISCIPLINARY APPROACH

2 credits.

Introduction to health care systems. Factors affecting health and the value placed on health, the delivery of health care in different settings, the roles of various health workers, and the sociological and economic aspects of health care.

**Requisites:** None

**Course Designation:** Breadth - Social Science

Level - Elementary

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Discuss selected contemporary problems, issues, and trends in health care services for individuals, groups, and populations from local, regional, and global perspectives.

Audience: Undergraduate

2. Describe and compare the impact of health and medical services, including environmental, behavioral, genetic, and biological factors, on personal and public health.

Audience: Undergraduate

3. Discuss the influences of technological, social, cultural, economic, and political forces on the organization of health care systems and delivery of health care services.

Audience: Undergraduate

4. Critically evaluate similarities and differences in health care systems and service conceptualization, organization, and delivery from national and international perspectives.

Audience: Undergraduate

## S&A PHM/HIST SCI 401 – HISTORY OF PHARMACY

2 credits.

Pharmaceutical field, from antiquity to modern medical care; professional; structuring in principal countries of the West.

**Requisites:** Junior standing

**Course Designation:** Breadth - Humanities

Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2024

**Learning Outcomes:** 1. Outline the key theoretical issues in the history of medicine and pharmacy

Audience: Undergraduate

2. Explain the relationship, using models of change, between medicines, pharmacy practice, and society

Audience: Undergraduate

3. Assess critically the historiographies of the history of medicine and pharmacy

Audience: Undergraduate

4. Evaluate the reputations of pharmacy practices, organizations, and key actors

Audience: Undergraduate

5. Communicate effectively conclusions regarding the history of medicines and pharmacy

Audience: Undergraduate

6. Apply historical understandings to contemporary issues regarding pharmacy, drug regulation, and political conflicts

Audience: Undergraduate

**S&A PHM 411 – PHARMACY IN THE HEALTH CARE SYSTEM**

3 credits.

Orientation to the US health care system and pharmacy's integral role within it. Address roles and responsibilities of different individuals and organizations involved in the provision of health care, issues of insurance coverage, reimbursement, and payment for health care services. Apply principles of personnel management in pharmacy practice.

**Requisites:** Declared in Doctor of Pharmacy program

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2024

**Learning Outcomes:** 1. Identify characteristics of the U.S. health care system and explain how individuals and organizations interact to provide health care services.

Audience: Graduate

2. Solve problems by applying important concepts related to insurance coverage.

Audience: Graduate

3. Recognize, describe, and analyze issues affecting health care systems.

Audience: Graduate

4. Recognize and apply principles of personnel management in pharmacy work environments.

Audience: Graduate

5. Effectively communicate in oral and written forms with the interprofessional health care team.

Audience: Graduate

**S&A PHM 414 – SOCIAL AND BEHAVIORAL ASPECTS OF PHARMACY PRACTICE**

3 credits.

Introduction to psychosocial and behavioral aspects of pharmacy practice and patient care, including professional, ethical decision-making; the pharmacist's role in patient care and public health; patient perspectives and factors related to health and medication use; and patient-pharmacist interaction and communication.

**Requisites:** S&A PHM 411

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Identify ethical issues in health care, apply a problem-solving framework to analyze dilemmas, and make decisions regarding appropriate courses of action

Audience: Graduate

2. Effectively communicate in oral and written forms with patients, caregivers, and the interprofessional healthcare team

Audience: Graduate

3. Apply social and behavioral principles in the provision of patient care services

Audience: Graduate

4. Identify health disparities and public health problems and address these issues incorporating awareness of sociocultural issues

Audience: Graduate

5. Develop patient-centered culturally aware disease management programs

Audience: Graduate

**S&A PHM 490 – SELECTED TOPICS IN SOCIAL AND ADMINISTRATIVE PHARMACY**

1-4 credits.

Specialized subject matter of current interest to undergraduate and professional students.

**Requisites:** Declared in Doctor of Pharmacy program

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2020

**S&A PHM 514 – MANAGING PHARMACY SYSTEMS FOR PATIENT CARE**

2 credits.

Introduces concepts and principles related to managing pharmacy operations and systems for patient care, and managing financial aspects of pharmacies.

**Requisites:** Declared in Doctor of Pharmacy program with second year standing

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Interpret and apply common financial statements in a pharmacy context

Audience: Undergraduate

2. Describe pharmacy operations and revenue sources in retail/ community, hospital, and ambulatory clinic settings

Audience: Undergraduate

3. Plan and evaluate a pharmacy service, including quality, satisfaction, and financial considerations

Audience: Undergraduate

4. Write a business plan for a pharmacy service

Audience: Undergraduate

**S&A PHM 611 – PHARMACY LAW AND REGULATION**

2-3 credits.

Federal and Wisconsin laws related to drug manufacture, drug distribution, drug use, and pharmacy practice.

**Requisites:** S&A PHM 514

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Identify, locate, and use reputable sources of legal information

Audience: Undergraduate

2. Describe, interpret, and apply relevant federal and state statutes and regulations affecting pharmacy practice

Audience: Undergraduate

3. Analyze “real world” pharmacy practice situations from a variety of perspectives

Audience: Undergraduate

4. Identify potential legal problems in pharmacy practice before they may occur

Audience: Undergraduate

5. Demonstrate advocacy for the pharmacy profession and patient welfare

Audience: Undergraduate

**S&A PHM 652 – PHARMACIST COMMUNICATION: EDUCATIONAL AND BEHAVIORAL INTERVENTIONS**

2 credits.

Intermediate principles of pharmacist communication with patients and other care givers; weekly communications laboratory provides opportunity to refine skills in listening, interviewing, counseling, and use of various educational and behavioral strategies to improve drug use.

**Requisites:** S&A PHM 411 and Declared in the Doctor of Pharmacy Program with third year standing

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Apply and tailor a counseling framework to the needs of an individual patient and provider

Audience: Undergraduate

2. Demonstrate an empathic response to a patient

Audience: Undergraduate

3. Conduct motivational interviewing with patients and staff

Audience: Undergraduate

4. Evaluate and use a variety of resources to consult with patients who have limited English proficiency

Audience: Undergraduate

5. Demonstrate several types of probes for patient interviewing

Audience: Undergraduate

6. Evaluate patient understanding during your consultation

Audience: Undergraduate

7. Collect feedback from patients and staff to identify pharmacy program/ service needs

Audience: Undergraduate

8. Conduct a SWOT analysis

Audience: Undergraduate

9. Design an intervention based on your assessment

Audience: Undergraduate

10. Diagram flowcharts of a proposed pharmacy service intervention and its implementation with staff

Audience: Undergraduate

11. Conduct a cost-benefit analysis of a pharmacy service

Audience: Undergraduate

12. Write a proposal

Audience: Undergraduate

13. Make a group presentation on a proposed pharmacy-based intervention

Audience: Undergraduate

**S&A PHM 699 – ADVANCED INDEPENDENT STUDY**

0-3 credits.

Directed study projects as arranged with a faculty member.

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2025

**S&A PHM 701 – GRANT WRITING FOR HEALTH SERVICES RESEARCH**

2 credits.

Prepare to enter professional careers requiring knowledge of grant-writing. Mechanics of proposal writing and social aspects of "grantsmanship," skill development in identifying sources of grant funding, practice research to support applications, and tailor proposals to specific audience interests. Utilizing an iterative and peer supported process, draft parts of an R36 dissertation grant.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

**Learning Outcomes:** 1. Demonstrate knowledge of where to find grant opportunities and the general procedures for grant submissions  
Audience: Graduate

2. Demonstrate knowledge of the components of an NIH grant and the contents expected within each section  
Audience: Graduate

3. Demonstrate the ability to succinctly synthesize the literature on a significant and timely topic and identify a gap in knowledge that is worthy of investigation  
Audience: Graduate

4. Generate objectives/aims and hypotheses for a project that fill the identified knowledge gap  
Audience: Graduate

5. Generate a compelling description of the expected benefit of completing the project objectives.  
Audience: Graduate

6. Demonstrate the ability to combine the literature summary, aims, and expected benefits into a Specific Aims page of an NIH grant on a significant and timely topic in the field.  
Audience: Graduate

7. Demonstrate the ability to combine the literature summary and description of the importance of the chosen research topic in a Significance Section.  
Audience: Graduate

8. Demonstrate the ability to describe the novel aspects of the research question identified or approach selected to complete the research objective in an Innovation Section.  
Audience: Graduate

9. Outline an Approach section that describes the methods to be used to complete the objective, including potential problems and alternative strategies.  
Audience: Graduate

10. Demonstrate the ability to critically review one's own grant and iteratively improve it.  
Audience: Graduate

11. Demonstrate the ability to receive critical feedback and revise research ideas in response to feedback.  
Audience: Graduate

12. Demonstrate the ability to give constructive, critical feedback to colleagues about research ideas.

### **S&A PHM 702 – MIXED METHODS FOR HEALTH SCIENCES: PURPOSE, DESIGN AND APPROACH**

2 credits.

Increase awareness, understanding, and knowledge about how mixed methods research fits into the broader world of health services research. Exposure to research and lay literature in health services research in pharmacy and related fields. Improve ability to write technically, read and interpret mixed methods research articles, and discuss implications of research findings.

**Requisites:** Graduate standing only or declared in the Doctor of Pharmacy program

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2024

**Learning Outcomes:** 1. Use appropriate language to talk about mixed-methods research as a third family of research designs alongside the two monomethod families of quantitative and qualitative designs.

Audience: Graduate

2. Develop a study proposal based on research questions for which a mixed-methods design would be appropriate.

Audience: Graduate

3. Develop skills in communicating mixed methods research ideas to colleagues, funding agencies, policymakers, and journal audiences.

Audience: Graduate

### **S&A PHM 703 – COMMUNITY ENGAGEMENT IN HEALTH SERVICES RESEARCH**

2 credits.

Apply principles of community engagement in the field of health services research. Read and interpret relevant articles, and discuss implications of these readings. Learn existing models and practical approaches for successfully partnering with community stakeholders to address health and medication-related needs through research.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2023

**Learning Outcomes:** 1. Delineate the types of community stakeholders and processes for entering communities based on the Wisconsin idea

Audience: Graduate

2. Identify existing infrastructure to conduct community engaged research projects and develop sustainable partnerships

Audience: Graduate

3. Apply principles and models for designing community engaged research

Audience: Graduate

4. Develop a grant proposal and a community stakeholder engagement plan using principles of team science

Audience: Graduate

### **S&A PHM 704 – DISSEMINATION, IMPLEMENTATION AND SUSTAINMENT OF CHANGE IN HEALTH SERVICES RESEARCH**

2 credits.

Apply Dissemination and Implementation (DI) as well as sustainability concepts and principals to support organizational change efforts in different healthcare settings or learn how to conduct Sustainability research in their professional careers. Identify DI frameworks, appropriate implementation strategies, study designs and outcomes to address the implementation of an evidence-based practice or a specific organizational change.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:** 1. Understand the importance of designing for dissemination and how to promote your innovation to key stakeholders.

Audience: Graduate

2. Differentiate between dissemination and implementation, understand the different D&I frameworks, and have knowledge on how to select the most appropriate framework.

Audience: Graduate

3. Understand how selected D&I frameworks (CFIR, Re-Aim, EPIS and a selected few other frameworks) have been applied in the field.

Audience: Graduate

4. Differentiate between different research designs and evaluation approaches in D&I research, and to understand the difference between the different hybrid trials, and how they have been applied in the field

Audience: Graduate

5. Identify the different implementation strategies that can be utilized in D&I research and how selected strategies have been applied in different D&I research studies.

Audience: Graduate

6. Describe how different implementation strategies that could be applied in a pharmacy D&I project and discuss the importance of facilitated implementation as an effective implementation strategy

Audience: Graduate

7. Describe the different types of outcomes in D&I research, understand how they have been applied in the field, and discuss what these outcomes might look like in a pharmacy setting.

Audience: Graduate

8. Understand about D&I research has been applied in other areas of healthcare.

Audience: Graduate

9. Discuss the importance of implementation fidelity and understand how to assess fidelity in D&I research.

Audience: Graduate

10. Describe the importance of sustainability in D&I research and understand about D&I research has been applied in other areas of healthcare.

Audience: Graduate

11. Understand the importance of conducting an economic analysis in D&I research and describe how they might conduct such an analysis.

Audience: Graduate

**S&A PHM 711 – RESEARCH METHODS FOR PHARMACEUTICAL OUTCOMES AND POLICY RESEARCH**

3 credits.

Development of skills in the methods, techniques, and problems encountered in conducting evaluations of pharmaceutical services, programs, and policies.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2024

**Learning Outcomes:** 1. Identify and conceptualize problems and critically evaluate information and past research (i.e., literature) related to a problem

Audience: Graduate

2. Analyze the literature related to research methods and the application of research methods

Audience: Graduate

3. Evaluate concepts and techniques related to study variable conceptualization, operationalization, and measurement

Audience: Graduate

4. Analyze data using concepts and techniques presented in class

Audience: Graduate

5. Evaluate measurement and data analysis concepts and techniques that are uniquely associated with health services research in pharmacy

Audience: Graduate

6. Use STATA software to analyze data and answer questions related to measurement and data analysis techniques

Audience: Graduate

**S&A PHM 715 – SOCIAL BEHAVIORAL THEORIES IN PHARMACY, DRUG USE, AND HEALTH BEHAVIOR**

3 credits.

Critical review and application of social behavioral theories, methodologies, and research to current problems in pharmacy, pharmacist communication and interaction with consumers and other providers, use of prescription and nonprescription drugs, and self-care.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:** 1. Critically analyze selected theories and models as they relate to pharmacy/drug use/health behavior

Audience: Graduate

2. Identify alternative methods of testing and operationalizing theories

Audience: Graduate

3. Critique research approaches, design and measures

Audience: Graduate

4. Identify research needs and social behavioral strategies for improving care outcomes

Audience: Graduate

**S&A PHM 716 – ADVANCED HOSPITAL PHARMACY ADMINISTRATION**

2 credits.

Various components necessary to become an accomplished administrator of a pharmacy department in a hospital or organized health care setting.

**Requisites:** Declared in MS Pharmacy program

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2025

### **S&A PHM 911 – RESEARCH SEMINAR IN SOCIAL & ADMINISTRATIVE PHARMACY**

1 credit.

Exposes students to research related to SAS topics, discuss strategies for writing research theses and articles, discuss various methodological approaches to answering research questions, and improve oral and written communication skills. Seminars may involve presenting completed and/or planned research, leading discussions among seminar participants about research topics, and discussing written assignments.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2020

**Learning Outcomes:** 1. Delineate the types of community stakeholders and processes for entering communities based on the Wisconsin idea  
Audience: Graduate

2. Identify existing infrastructure to conduct community engaged research projects and develop sustainable partnerships

Audience: Graduate

3. Apply principles and models for designing community engaged research

Audience: Graduate

4. Develop a grant proposal and a community stakeholder engagement plan using principles of team science

Audience: Graduate

### **S&A PHM 990 – RESEARCH**

1-12 credits.

Independent research and writing for graduate students under the supervision of a faculty member.

**Requisites:** Consent of instructor

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2025

### **S&A PHM 999 – ADVANCED INDEPENDENT STUDY**

1-12 credits.

Directed study projects for graduate students as arranged with a faculty member.

**Requisites:** Consent of instructor

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2025