

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 2024

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 2023

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 2023

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 2024

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 2024

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 2024

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 2024

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

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

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 2024

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 2023

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

13. Demonstrate knowledge of the NIH grant review process 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

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 2022

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

10. Describe the importance of sustainability in DI research and understand about DI research has been applied in other areas of healthcare. Audience: Graduate

11. Understand the importance of conducting an economic analysis in DI research and describe how they might conduct such an analysis. Audience: Graduate

12. Discuss how their peers might apply DI frameworks, implementation strategies and concepts to conduct a potential implementation study in a pharmacy setting. Audience: Graduate

2. Differentiate between dissemination and implementation, understand the different DI frameworks, and have knowledge on how to select the most appropriate framework. Audience: Graduate

3. Understand how selected DI 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 DI 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 DI research and how selected strategies have been applied in different DI research studies. Audience: Graduate

6. Describe how different implementation strategies that could be applied in a pharmacy DI project and discuss the importance of facilitated implementation as an effective implementation strategy Audience: Graduate

7. Describe the different types of outcomes in DI 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 DI 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 DI research. 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 2022

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 2024

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 2024

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 2024