<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
<th>Enroll Info</th>
<th>Requisites</th>
<th>Repeatable for Credit</th>
<th>Last Taught</th>
</tr>
</thead>
<tbody>
<tr>
<td>S&amp;A PHM/NURSING/SOC WORK 105</td>
<td>HEALTH CARE SYSTEMS: INTERDISCIPLINARY APPROACH</td>
<td>2</td>
<td>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. Enroll Info: None</td>
<td>None</td>
<td>None</td>
<td>No</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>S&amp;A PHM/HIST SCI 401</td>
<td>HISTORY OF PHARMACY</td>
<td>2</td>
<td>Pharmaceutical field, from antiquity to modern medical care; professional; structuring in principal countries of the West. Enroll Info: None</td>
<td>None</td>
<td>Junior standing</td>
<td>No</td>
<td>Spring 2018</td>
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<tr>
<td>S&amp;A PHM 411</td>
<td>PHARMACY IN THE HEALTH CARE SYSTEM</td>
<td>3</td>
<td>Introduces students to: (1) the public health care system and pharmacists' roles in the public health care system, (2) the health care system and how pharmacy fits within the health care system, (3) the patient's perspective of health, illness, medication taking and patient-pharmacist interaction, (4) principles of educational assessment and patient consultation, (5) skills and strategies to overcome barriers to individualized patient consultation. Enroll Info: None</td>
<td>None</td>
<td>Declared in Doctor of Pharmacy program</td>
<td>No</td>
<td>Fall 2017</td>
</tr>
<tr>
<td>S&amp;A PHM 414</td>
<td>SOCIAL AND BEHAVIORAL ASPECTS OF PHARMACY PRACTICE</td>
<td>3</td>
<td>The goals of this course are to introduce students to psychosocial and behavioral aspects of pharmacy practice and patient care, including (1) the pharmacist's role in patient care and public health, (2) patient perspective and factors related to health and medication use; (3) patient-pharmacist interaction and communication; and (4) principles of personnel management in pharmacy practice. Enroll Info: None</td>
<td>None</td>
<td>S&amp;A PHM 411</td>
<td>No</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>S&amp;A PHM 490</td>
<td>SELECTED TOPICS IN SOCIAL AND ADMINISTRATIVE PHARMACY</td>
<td>1-4</td>
<td>Specialized subject matter of current interest to undergraduate and professional students. Enroll Info: None</td>
<td>None</td>
<td>Declared in Doctor of Pharmacy program</td>
<td>Yes, unlimited number of completions</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>S&amp;A PHM/CLASSICS/HIST SCI/HISTORY/MED HIST 561</td>
<td>GREEK AND ROMAN MEDICINE AND PHARMACY</td>
<td>3</td>
<td>Greek and Roman medicine and drug lore from the Pre-Socratics to Oribasius (c. 600 B.C. - A.D. 350), including the backgrounds of ancient Egyptian and Mesopotamian medicine. Enroll Info: None</td>
<td>None</td>
<td>Junior standing</td>
<td>No</td>
<td>Fall 2015</td>
</tr>
<tr>
<td>S&amp;A PHM/HIST SCI/HISTORY/MED HIST/MEDIEVAL 562</td>
<td>BYZANTINE MEDICINE AND PHARMACY</td>
<td>3</td>
<td>Byzantine and Islamic medicine and drug lore from Oribasius to the beginnings of the Italian Renaissance (c. 350 - c. 1400 A.D.). Enroll Info: None</td>
<td>None</td>
<td>Junior standing</td>
<td>No</td>
<td>Spring 2015</td>
</tr>
<tr>
<td>S&amp;A PHM 618</td>
<td>PROFESSIONAL DECISION-MAKING IN PHARMACY PRACTICE</td>
<td>2-3</td>
<td>Application of ethical theory to problems in pharmacy practice. Emphasis on contemporary patient care situations and evolving issues related to drug technology, drug use, and patient-pharmacist relations. Enroll Info: DPH-3 st, S&amp;A Phm 511, &amp; PHM PRAC 556; 2 cr required, 3rd cr avail as a professional elective</td>
<td>None</td>
<td>None</td>
<td>No</td>
<td>Fall 2017</td>
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</table>
S&A PHM 622 — PROSEMINAR IN SOCIAL AND ADMINISTRATIVE PHARMACY
1-3 credits.
Problems in pharmaceutical sociology, psychology, management, finance and economics, including: drug prescribing/use, distribution, and payment; patient care and pharmaceutical service delivery; pharmaceutical industry, and pharmaceutical policy and regulation. May be repeated. Enroll Info: None
Requisites: Junior standing
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2015

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. Enroll Info: None
Requisites: S&A PHM 411 and Declared in the Doctor of Pharmacy Program with third year standing
Repeatable for Credit: No
Last Taught: Spring 2018

S&A PHM 699 — ADVANCED INDEPENDENT STUDY
3 credits.
Directed study projects as arranged with a faculty member. Enroll Info: None
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

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. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2016

S&A PHM 713 — PHARMACEUTICAL MARKETING AND POLICY
3 credits.
Marketing and policy aspects of prescription drugs from the perspective of the pharmaceutical industry; overview of the industry, the marketing mix, policies and regulations related to pharmaceuticals. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2018

S&A PHM 714 — SOCIAL ORGANIZATION OF PHARMACY
3 credits.
Examination of theories, methodologies, and research related to social organization of the profession and practice of pharmacy, the pharmaceutical industry, pharmaceutical regulation, and national/international pharmacy sectors. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2011

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. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2018

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. Enroll Info: None
Requisites: Declared in MS Pharmacy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2018

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. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2018
S&A PHM 990 — RESEARCH
1-12 credits.

Independent research and writing for graduate students under the supervision of a faculty member. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

S&A PHM 999 — ADVANCED INDEPENDENT STUDY
1-12 credits.

Directed study projects for graduate students as arranged with a faculty member. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement.
Repeatable for Credit: Yes, unlimited number of completions